

8I Plant Inventory No. 165

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., April 1966



PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1957 (NOS. 236143 TO 244732)

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This inventory, No. 165, lists the plant material (Nos. 236143 to 244732) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period January 1 to December 31, 1957. From 1954 to 1957, the branch was known as the Plant Introduction Section, Horticultural Crops Research Branch, Agricultural Research Service, United States Department of Agriculture. The inventory 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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and
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*Plant Industry Station,
Beltsville, Md.*

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CURRENT SERIAL RECORDS

10.11.1952

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I N V E N T O R Y

236143. DIOSPYROS KAKI L. Diospyraceae. Oriental persimmon.

From Japan. Scions held at the U.S. Plant Introduction Station, Glenn Dale, Md. Numbered Jan. 2, 1957.

No. 796. 'Tamopan'. From the National Agricultural Experiment Station, Hiratsuka. Dec. 20, 1956. Originally selected from a type growing wild in central China.

236144 to 236155.

From the Netherlands. Plants presented by the Proefstation Bloemisterij, Aalsmeer. Received Jan. 2, 1957.

236144. ROSA sp. Rosaceae.

'Broggs'.

236145. ROSA CANINA L.

Dog rose.

236146. ROSA sp.

'Ileinsands Record'.

236147. ROSA FRANCOFURTANA Muenchh.

236148. ROSA sp.

'Lasca'.

236149. ROSA MULTIFLORA Thunb.

Japanese rose.

236150. ROSA sp.

'Pfander'.

236151. ROSA sp.

'Pollmeg'.

236152. ROSA EGLANTERIA L.

Sweetbrier.

236153. ROSA sp.

'Sennfs'.

236154. ROSA sp.

'Small Ideal'.

236155. ROSA sp.

'Success'.

236156. CHRYSANTHEMUM (hybrid). Asteraceae.

From Great Britain. Cuttings presented by the Research Institute of Plant Physiology, Rothamsted Experiment Station, West Hertsford, England. Received Jan. 2, 1957.

'Sunbeam'.

236157. MONTRICHARDIA ARBORESCENS (L.) Schott Araceae.

From Surinam. Seeds presented by the Landbouwproefstation Cultuurinlaan, Paramaribo. Received Jan. 2, 1957.

236158 to 236207. CHRYSANTHEMUM (hybrids). Asteraceae.

From Japan. Plants collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Jan. 2, 1957.

From S. Takahaski, Ki-Machi, Mishima City.

- 236158. 'Ashina-no-yuki'. White.
- 236159. 'Arima-no-aki'. Light brown.
- 236160. 'Benitaiyo'.
- 236161. 'Daj Kokka'. Red.
- 236162. 'Fukusuke'. Pink.
- 236163. 'Furusato-no-tsuki'. Yellow.
- 236164. 'Hanachidori'. Reddish yellow.
- 236165. 'Hatsugari-no-koe'. Yellow.
- 236166. 'Himekomachi'. Light purple red.
- 236167. 'Hototogisu'. Yellow.
- 236168. 'Itsukishima-no-kei'. Purple.
- 236169. 'Kinen-no-sakura'. Pink.
- 236170. 'Kintaro'. Yellow.
- 236171. 'Kishi'. Yellow.
- 236172. 'Kogen-no-tsuki'. White.
- 236173. 'Kokaji'. Yellow.
- 236174. 'Kokka'. White.
- 236175. 'Konan'. Brocade.
- 236176. 'Kumoi'. White.
- 236177. 'Kyukatyo'. Pink.
- 236178. 'Mangetsu-no-shirabe'. Yellow.
- 236179. 'Momokanoko'. Pink.
- 236180. 'Nishiki-no-sode'. Yellow.
- 236181. 'Ogon-no-izumi'. Yellow.
- 236182. 'Rosei-no-yume'. Light pink.
- 236183. 'Sanyo-no-tsuki'. Yellow.
- 236184. 'Sanyo-no-yuki'. White.
- 236185. 'Seiki-no-hanna'. White.
- 236186. 'Seikokinesei 1'. Yellow.
- 236187. 'Seikokinesei 2'. Yellow.
- 236188. 'Shiga-no-hikari'. Purple.
- 236189. 'Shiga-no-miyako'. Pink.
- 236190. 'Shikinran'. Red.
- 236191. 'Shinnen-no-yuki'. White.
- 236192. 'Shinroku-no-shiori'. Pink.
- 236193. 'Shinroku-no-sugata'. Pink.
- 236194. 'Shinroku-no-yamabuki'. Yellow.
- 236195. 'Susomoyo'. White.
- 236196. 'Syokasen'. White.

236158 to 236207—Continued

236197. 'Syowa-no-sakae'. Yellow.
 236198. 'Taiheiraku'. Yellow.
 236199. 'Taiho-no-hana'. Red.
 236200. 'Taiho-no-mine'. White.
 236201. 'Taiho-no-tsuki'. White.
 236202. 'Takachibo'. Yellow.
 236203. 'Tamadsuki'. Pink.
 236204. 'Tenshi'. White.
 236205. 'Tsuki-no-miyako'. White.
 236206. 'Yume-no-kayoifi'. Light pink.
 236207. 'Zyugoya'. White.

236208. CINNAMOMUM LOURIERII Nees Lauraceae.**Cassiaflower-tree.**

From Japan. Plants obtained through Fritsche Brothers, New York City.
 Received July 3, 1965. Numbered Jan. 2, 1957.

236209. FICUS ARISANENSIS Hayata Moraceae.**Fig.**

From China. Seeds presented by the Department of Horticulture, National Taiwan University, Taipei, Taiwan. Received Jan. 3, 1957.

Received as *F. foveolata* var. *arisanensis*.

236210 to 236254.

From Japan. Plants collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md.
 Received Jan. 3, 1957.

Horticultural varieties of plants purchased from Nakada Nursery, Angyo, Kawaguchi, Saitamaken.

236210 and 236211. AUCUBA JAPONICA Thunb. Cornaceae. Japanese aucuba.

236210. No. 1. Variegated.

236211. No. 2. Variegated.

236212. ARDISIA CRISPA (Thunb.) Blume Myrsinaceae.**Coral ardisia.****236213 to 236221. CAMELLIA SASANQUA Thunb. Theaceae.****Sasanqua camellia.**

236213. 'Ginryu'.

236218. 'Setugetuka'.

236214. 'Hiya-asobi'.

236219. 'Setsusan'.

236215. 'Motio-no-sio'.

236220. 'Showa-no-sakae'.

236216. 'Negi-si-beni'.

236221. 'Tuki-no-kasa'.

236217. 'Oho-mi-goromo'.

236222. CHAMAECYPARIS PISIFERA (Sieb. & Zucc.) Endl. Pinaceae.**Sawara retinospora.**

'Squarrosa'. Variegated.

236223 to 236232. CRYPTOMERIA JAPONICA (L.f.) D. Don Pinaceae.**Common cryptomeria.**

236223. 'Araucarioides'.

236228. 'Spinolis'.

236224. 'Cristata'.

236229. 'Taisho-tamasugi'.

236225. 'Ikari-sugi'.

236230. 'Yoshino-sugi'.

236226. 'Jindai-sugi'.

236231. Dwarf 1.

236227. 'Ogon-sugi'.

236232. Dwarf 2.

236210 to 236254—Continued

- 236233.** *ILEX CRENATA* var. *NUMMULARIA* (Franch. & Sav.) Yatabe
Aquifoliaceae. **Holly.**
- 236234.** *ILEX CRENATA* Thunb. **Japanese holly.**
'Sirofokurin'.
- 236235 and 236236.** *JUNIPERUS CHINENSIS* L. Pinaceae. **Chinese juniper.**
236235. 'Ogon-ibuki'.
236236. 'Tama-ibuki'.
- 236237.** *MAHONIA FORTUNEI* (Lindl.) Fedde Berberidaceae.
- 236238 and 236239.** *NANDINA DOMESTICA* Thunb. Berberidaceae.
236238. 'Goshiki Nanten'.
236239. 'Sasaba Nanten'.
- 236240.** *OSMANTHUS FRAGRANS* Lour. Oleaceae.
- 236241.** *OSMANTHUS HETEROPHYLLUS* (G. Don) P. S. Green
'Ogon Hiragi'.
- 236242.** *PACHYSANDRA TERMINALIS* Sieb. & Zucc. Buxaceae.
'Variegata'.
- 236243.** *TAXUS CUSPIDATA* var. *UMBRACULIFERA* Makino Taxaceae.
- 236244 and 236245.** *TERNSTROEMIA GYMNANTHERA* (Wight & Arn.) Sprague
Theaceae.
236244. 'Hagikano'. Variegated.
236245. 'Magohachi'. Variegated.
- 236246 and 236247.** *CAMELLIA SINENSIS* (L.) Kuntze Theaceae. **Tea**
236246. 'Microphylla'.
236247. 'Rosa' ('Beni-bana-cha').
- 236248 and 236249.** *THUJOPSIS DOLABRATA* (L.f.) Sieb. & Zucc. Pinaceae.
False-arborvitae.
236248. 'Nana'.
236249. 'Variegata'.
- 236250.** *TRACHELOSPERMUM ASIATICUM* Nakai Apocynaceae.
'Hatuyuki-katura'. Leaves of several colors.
- 236251.** *VIBURNUM ODORATISSIMUM* Ker. Caprifoliaceae. **Sweet viburnum.**
'Variegata'.
- 236252 to 236254.** *ZELKOVA SERRATA* (Thunb.) Makino Ulmaceae.
Sawleaf zelkova.
236252. 'Furi-keaki'. Variegated.
236253. 'Shidare-keaki'. Weeping.
236254. 'Tukumo-keaki'. Dwarf.

236255 to 236265.

From Japan. Plants collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Jan. 3, 1957.

236255 to 236265—Continued

236255. *ANGELICA MAYEBARANA* (Koidz.) Kitagawa Apiaceae.

Kagoshima University Botanic Garden, Kyushu. Herb with columbine-like leaves; flowers white, in umbel.

236256 to 236259. *BRASSICA OLERACEA* var. *VIRIDIS* L. Brassicaceae. **Kale.**

From T. Sakata, Yokohama.

236256. Ornamental type. 'White Nagoya'.

236257. Ornamental type. 'Red Nagoya'.

236258. Ornamental type. 'White Tokyo'.

236259. Ornamental type. 'Red Tokyo'.

236260. *DISTYLIUM RACEMOSUM* Sieb. & Zucc. Hamamelidaceae.

Forest of Gegu Shrine, Ise City, Mie Prefecture. Evergreen tree.

236261. *DIOSPYROS LOTUS* L. Diospyraceae.

Datep um.

National Agricultural Research Station, Hiratsuka.

236262. *HEMEROCALLIS* sp. Liliaceae.

Yatsugatake Mountains. Elevation 2,400 feet. Wild.

236263. *HEMEROCALLIS THUNBERGII* Baker

Yatsugatake Mountains. Elevation 3,600 feet. Wild.

236264. *PYRUS SEROTINA* Rehder Malaceae.

Collected near Tomiuska, Yokohama.

236265. *SPILANTHES OLERACEA* L. Asteraceae.

From the Ministry of Agriculture, Tokyo. Prostrate herbaceous plant; flowers yellow, in buttonlike heads; flowers profusely July and August.

236266 to 236276.

From Puerto Rico. Seeds presented by the Estacion Experimental Agricola, University of Puerto Rico, Castaner. Received Jan. 3, 1957.

236266 to 236273. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

236266 to 236268. 'Geisha; self pollinated.

236266. First row; first plant.

236267. Second row; second plant.

236268. Fourth row; fourth plant.

236269 to 236273. 'Puerto Rican'; open pollinated; selections from private plantations.

236269. No. 11.

236272. No. 401.

236270. No. 78.

236273. No. 578.

236271. No. 298.

236274 and 236275. *COFFEA ARABICA* var. *COLUMNARIS* Cramer

Selections from a variety experiment at Palmares.

236274. No. 22-124.

236275. No. 22-196.

236276. *COFFEA STENOPHYLLA* G. Don

Coffee.

Open pollinated.

236277 to 236297. SORGHUM VULGARE Pers. Poaceae.

From Australia. Seeds presented by the Queensland Department of Agriculture, Regional Experiment Station, Biloela, Queensland. Received Jan. 4, 1957.

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| 236277. 'Alpha'. | 236288. X12-6-5-5. |
| 236278. 'Capricorn'. | 236289. X12-14-1-1. |
| 236279. 'Coastland'. | 236290. X12-19-2-2-1-2. |
| 236280. 'Swazi Dwarf'. | 236291. X12-26-2-1-2. |
| 236281. BC7-1-3-1. | 236292. X13-2-1-2-3-1 |
| 236282. BC7-3-1-1-1. | 236293. X13-2-2-1-3-1 |
| 236283. BC7-5-2-2-3. | 236294. X13-17-1-7-4 |
| 236284. BC7-10-3-1. | 236295. X13-20-1-1-2-1. |
| 236285. BC7-23-4-1-1. | 236296. X13-20-2-1-3-2. |
| 236286. X8-6-2-3-8-2. | 236297. X46-8-1-1. |
| 236287. X12-2-3-2. | |

236298 to 236355.

From Great Britain. Seeds presented by Louis K. Mann, Jodrell Laboratory, Royal Botanic Gardens, Kew, Surrey, England. Received Jan. 4, 1957.

- 236298.** ALLIUM AFLATUNENSE B. Fedtsch. Liliaceae.
- 236299 to 236301.** ALLIUM ANGULOSUM L.
- 236299.** No. 1.
- 236300.** No. 2.
- 236301.** No. 3.
- 236302.** ALLIUM BEESIANUM W. W. Smith
- 236303.** ALLIUM CAMPANULATUM S. Wats.
- 236304.** ALLIUM CYANEUM Regel
- 236305 and 236306.** ALLIUM CYATOPHORUM var. FARRERI Bur. & Franch.
- 236305.** No. 1.
- 236306.** No. 16A.
- 236307.** ALLIUM ELATUM Regel
- 236308.** ALLIUM FISTULOSUM L. Welch onion.
- 236309.** ALLIUM GIGANTEUM Regel
- 236310.** ALLIUM HELDREICHII Boiss.
- 236311.** ALLIUM HYMENORRHIZUM Ledeb.
- 236312.** ALLIUM ANGULOSUM L
- 236313.** ALLIUM KARATAVIENSE Regel
- No. 5A.**
- 236314.** ALLIUM MACRANTHUM Baker
- 236315.** ALLIUM MARIAE Bordz.
- 236316.** ALLIUM MOLY L. Lily leek.
- 236317.** ALLIUM NARCISSIFLORUM Vill.
- 236318.** ALLIUM NIGRUM L.
- 236319.** ALLIUM OBLIQUUM L.
- 236320.** ALLIUM OREOPHILUM Meyer
- 236321.** ALLIUM PANICULATUM L.

236298 to 236355—Continued

236322. *ALLIUM PSKEMENSE* B. Fedtsch.
236323. *ALLIUM RAMOSUM* L.
236324. *ALLIUM SCHOENOPRASUM* L. Chives.
236325. *ALLIUM SICULUM* Ucria
236326. *ALLIUM STELLATUM* Fraser ex Ker.
236327. *ALLIUM STIPITATUM* Regel
236328. *ALLIUM TRIQUETRUM* L.
236329. *ALLIUM URSINUM* L.
236330. *ALLIUM* sp.
No. 1.
236331. *ALLIUM* sp.
No. 2.
236332. *ALLIUM* sp.
No. 3.
- 236333 to 236335. Originally collected from Kyrenia Range, Cyprus.
236333. *ALLIUM MARGARITACEUM* Sibth. & Sm.
No. 138.
236334. *ALLIUM* sp.
No. 260.
236335. *ALLIUM* sp.
No. 264.
236336. *ALLIUM OBLIQUUM* L.
Originally from Oxford.
- 236337 to 236348. Originally from Botanic Garden, Edinburgh, Scotland.
236337. *ALLIUM DIOSCORIDIS* Sibth. & Sm.
236338. *ALLIUM KANSUENSE* Regel
236339. *ALLIUM KARATAVIENSE* Regel
236340. *ALLIUM MACRANTHUM* Baker
236341. *ALLIUM MARGARITACEUM* Sibth. & Sm.
236342. *ALLIUM NIGRUM* L.
236343. *ALLIUM OSTROWSKIANUM* Regel
236344. *ALLIUM PLATYSPATHUM* Schrenk
236345. *ALLIUM POLYASTRUM* Diels
236346. *ALLIUM* sp.
No. 3471.
236347. *ALLIUM* sp.
No. S & S 17530.
236348. *ALLIUM* sp.
Collected by Peter Davis, Kew.
- 236349 to 236352. Originally collected by Evan Guest and Ali Ali-Raur, Iraq.
236349. *ALLIUM* sp.
No. 13934.

236298 to 236355—Continued**236349 to 236352—Continued****236350.** ALLIUM sp.

No. 14196.

236351. ALLIUM sp.

No. 14217.

236352. ALLIUM sp.

No. 14366.

236353. ALLIUM OCHROLEUCUM Waldst. & Kit.

Originally from the Botanical Garden, Munich, Germany.

236354. ZEPHYRANTHES TEXANA Herbert Amaryllidaceae.**Zephyrilyly.**

Originally from the McGregor Museum, South Africa.

236355. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

From local market, Kew, England.

236356 to 236358. CAMELLIA SINENSIS (L.) O. Kuntze Theaceae.
Tea.

From Japan. Cuttings presented by the Shizuoka Prefectural Tea Experiment Station, Shizuoka. Received Jan. 4, 1957.

236356. 'Horyoke'.**236357.** 'Yabukita'.**236358.** 'Yaeho'.**236359.** MALUS × PURPUREUS (Barb.) Rehder Malaceae. **Apple.**

From Great Britain. Cuttings presented by R. C. Notcutt, Woodbridge, Suffolk, England. Received Jan. 7, 1957.

'Neville Copeman'. (*M. atrosanguinea* × *M. pumila* var. *niedzwetzkyana*).**236360 to 236381.**

From the United States. Plants growing at the U.S. Plant Introduction Station, Coconut Grove, Florida. Numbered Jan. 7, 1957.

236360. AGAVE UTAHENSIS var. NEVADENSIS Greenm. & Roush Amaryllidaceae.**236361.** ALBIZZIA sp. Mimosaceae.**236362.** ANTHOCLEISTA ZAMBESIACA Baker Loganiaceae.**236363.** CALLITRIS CUPRESSIFORMIS Vent. Pinaceae.**236364.** CANTHIUM ATTENUATUM R. Br. Rubiaceae.**236365.** CORDIA ANGIOCARPA A. Rich. Boraginaceae.**236366.** COSTUS STENOPHYLLUS Standl. & L. O. Wms. Zingiberaceae.**236367.** DIALIUM GUINEENSE Willd. Caesalpinaceae. **Velvet-tamarind.****236368.** FLACOURTIA INERMIS Roxb. Flacourtiaceae.**236369.** GINORIA GINORIOIDES (Griseb.) Britton Lythraceae.**236370.** HANCORNIA SPECIOSA Gomez Apocynaceae.**236371.** LECYTHIS PISONIS Cambess. Lecythidaceae.**236372.** LICUALA AMPLIFORMIS Miquel Phoenicaceae.**236373.** LOPHANTHERA LACTESCENS Ducke Malpighiaceae.

236360 to 236381—Continued**236374 and 236375.** *MESUA FERREA* L. Clusiaceae.**236374.** No. 14828.**236375.** No. 14887.**236376.** *PITTSOPORUM CONFERTIFLORUM* A. Gray Pittosporaceae.**236377.** *RHOPALOSTYLIS SAPIDA* (Soland.) Wendl. & Drude Phoenicaceae.
Nikau palm.**236378.** *RUBUS* sp. Rosaceae.**236379.** *RUBUS* sp.**236380.** *VEITCHIA JOANNIS* Wendl. Phoenicaceae.**236381.** *WERCKLEA INSIGNIS* Pitt. & Standl. Malvaceae.**236382 to 236388.**

From Syria. Collected and presented by the Department of Plant Science, Edmonton, Alberta, Canada. Received Jan. 8, 1957.

236382. *HORDEUM* sp. Poaceae.

'Al-Barda No. 45'.

236383. *HORDEUM* sp.

'Arab Blue No. 38'.

236384. *HORDEUM* sp.

'Arab Hauran No. 37'.

236385. *HORDEUM* sp.

'Hijaneb No. 39'.

236386. *HORDEUM* sp.

'Ithabaronse No. 57'.

236387. *HORDEUM* sp.

'Radd River No. 47'.

236388. *HORDEUM* sp.

'Yarmouk Valley No. 49'.

236389. *MICROSERIS SCAPIGERA* (Forst. f.) Sch.-Bip. Asteraceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 8, 1957. CS 24. Charlotté Pass, Mount Kosciusko, New South Wales.

236390 to 236393.

From French West Africa. Seeds presented by the Station Rizicole, Ouassou, West French Guinea. Received Jan. 8, 1957.

236390. *ORYZA BARTHII* A. Chev. Poaceae. **Rice.****236391.** *ORYZA BRACHYANTHA* A. Chev. & Roehr. **Rice.****236392.** *ORYZA BREVLIGULATA* A. Chev. & Roehr. **Rice.****236393.** *ORYZA STAPPII* Roshev. **Rice.****236394 to 236396.**

From Japan. Seeds presented by the Shikoku Agricultural Experiment Station, Zentsuji, Kagawa, Shikoku. Received Jan. 8, 1957.

236394. *LACTUCA DENTICULATA* Maxim. Cichoriaceae. **Lettuce.****236395 and 236396.** *LACTUCA SQUARROSA* (Thunb.) Miquel **Lettuce.**

236397 to 236409.

From Fiji. Presented by the Director of Agriculture, Suva. Received Jan. 8, 1957.

236397 to 236408. *COLOCASIA ESCULENTA* (L.) Schott Araceae. **Dasheen.**
Corms.

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| 236397. 'Daloniu'. | 236403. 'Solomoni'. |
| 236398. 'Kurokece'. | 236404. 'Tausal Ni Samoa'. |
| 236399. 'Mumu'. | 236405. 'Toakula'. |
| 236400. 'Samoa'. | 236406. 'Vavai'. |
| 236401. 'Samoa Vulavula'. | 236407. 'Vutikoto'. |
| 236402. 'Sikavidamu'. | 236408. 'Vutikoto Karakarawa'. |

236409. *ISCHAEMUM ARISTATUM* L. Poaceae. 'Batiki bluegrass'. (Seeds).

236410 to 236417.

From Sweden. Seeds presented by the Swedish Seed Association, Uppsala. Received Jan. 8, 1957.

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| 236410. <i>MEDICAGO SATIVA</i> var. <i>GLUTINOSA</i> (Bieb.) Urban Fabaceae. | Alfalfa. |
| 236411 <i>MEDICAGO HEMICYCLA</i> Grossh. | Medic. |
| 236412. <i>MEDICAGO SOGDIANA</i> Vassilcz. | Medic. |
| 234613. <i>MEDICAGO FALCATA</i> L. | Yellow-flowered alfalfa. |
| 236414. <i>MEDICAGO TIANSCHANICA</i> Vassilcz. | Medic. |
| 263415. <i>MEDICAGO TRANSOXANA</i> Vassilcz. | Medic. |
| 236416. <i>MEDICAGO</i> sp.
U-0611. | |
| 236417. <i>MEDICAGO</i> sp.
U-0615. | |

236418. *COFFEA* sp. Rubiaceae.

From Cambodia. Seeds presented by the Agricultural and Natural Resources Division, United States Operations Mission, PhnomPenh. Received Jan. 8, 1957.

236419 and 236420.

From Japan. Plants purchased from the Nakada Nursery, Kawaguchi, Saitamaken. Received Jan. 9, 1957.

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| 236419. <i>CAMELIA SASANQUA</i> Thunb. Theaceae. | Sasanqua camellia. |
| 'Kougoku'. | |
| 236420. <i>CRYPTOMERIA JAPONICA</i> (L.f.) D. Don Pinaceae. | Common cryptomeria. |
| 'Midori Sugi' | |

236421 and 236422. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received Jan. 9, 1957.

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| 236421. 'Caloro No. 2'. |
| 236422. 'Late Caloro'. |

236423. *ANANAS COMOSUS* (L.) Merr. Bromeliaceae. **Pineapple.**

From Honduras. Plants presented by the Escuela Agrícola Panamericana, Tegucigalpa. Received Jan. 9, 1957.

'Piña de Azucar'.

236424 to 236439.

From the United States. Plants growing at the Everglades Experiment Station, University of Florida, Belle Glade, Florida. Numbered Jan. 9, 1957.

236424. *ABREMA AUGUSTA* L.f. Sterculiaceae.

Originally from A. Chuidian, Batangas, Philippines.

236425. *AGAVE SISALANA* Perrine ex Engelm. Amaryllidaceae. **Sisil.**

Originally from the Dauphine Plantation, Haiti.

236426 to 236434. *BOEHMERIA NIVEA* (L.) Guad. Urticaceae. **Ramie.**

236426. 'Anahuma'. Originally from Toyo Seni Company, Japan.

236427. 'Red Stem'. Originally from C. Y. Norris, Belize, British Honduras.

236428. 'Sicilian Green'. Originally from Germany.

236429. 'Sicilian Red'. Originally from Germany.

236430. 'Tatsutyama'. Originally from Toyo Seni Company, Japan.

236431. 'White Stem'. Originally from C. Y. Norris, Belize, British Honduras.

236432. Originally from G. Filgueiras, Rio de Janeiro, Brazil.

236433. Originally from Marcel Potin, Cameroons.

236434. Originally from H. Flach, San Jose, Costa Rica.

236435 and 236436. *BOEHMERIA UTILIS* Diebard.

236435. Originally from Mexico.

236436. Originally from H. Flach, San Jose, Costa Rica.

236437. *CROTALARIA JUNCEA* L. Fabaceae. **Sunn crotalaria.**

Originally from the Instituto Agronomico, Campinas, Brazil.

236438 and 236439. *URENA LOBATA* L. Malvaceae.

236438. Originally from the Department of Agriculture, Accra, Gold Coast.

236439. Originally from the Belgian Congo.

236440 to 236446. *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.**

From Italy. Seeds presented by the Universita Degli Studi Di Pisa, Pisa. Received Jan. 11, 1957.

236440. 'Ancona'.

236444. 'Pisa'.

236441. 'Brescia'.

236445. 'Trento'.

236442. 'Cremona'.

236446. 'No. 46-9'.

236443. 'Marchetti 112'.

236447 to 236451.

From Australia. Seeds presented by the Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra City. Received Jan. 11, 1957.

Collected by N. T. Burbidge, Central Australia.

236447. *CALLISTEMON TERETIFOLIUS* F. Muell. Myrtaceae. **Bottlebrush.**
C 542.

236448. *EUCALYPTUS CALCICULTRIX* F. Muell. Myrtaceae.
C 556.

236449. *MOLALEUCA GLOMORATA* F. Muell. Myrtaceae.
C 759.

236447 to 236451—Continued

236450. *MOLALEUCA UNCINATA* R. Br.
C 838.

236451. *PANDOREA AUSTRALIS* (R. Br.) Spach. Bignoniaceae.

236452 to 236454.

From Indonesia. Plant material presented by the Proefstation voor de Java-Suikerindustrie, Pasuruan. Received Jan. 11, 1957.

236452 and 236453. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

236452. 'Warni Bola-30 oc 13'. Cuttings.

236453. '3067 POJ'. Cuttings.

236454. *SORGHUM* sp. Poaceae.

S 87. Originally from New Guinea. Plants.

236455 to 236459. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

From Finland. Seeds presented by the Department of Plant Husbandry, Tikurila. Received Jan. 14, 1957.

236455. 'Myrskylä'. **236458.** 'Siikajoki'.

236456. 'Nivala'. **236459.** 'Utajarvi'.

236457. 'Raudaskylä'.

236460 to 236466.

From Vietnam. Collected by the United States Operations Mission to Saigon. Received Jan. 14, 1957.

236460. *SACCHARUM SPONTANEUM* L. Poaceae. **Sugarcane.**

Road between Dalat and Nha-Trang. (Plants.)

236461 and 236462. *SACCHARUM* (hybrids). **Sugarcane.**

236461. Road between Dalat and Nha-Trang. (Plants.)

236462. Road between Dalat and Nha-Trang. (Plants.)

236463. *SACCHARUM SPONTANEUM* L. **Sugarcane.**

Between Dalat and Nha-Trang. (Seeds.)

236464. (Undetermined.)

No. 1. Along road between Saigoat and Dalat. (Seeds.)

236465. (Undetermined.)

No. 2. Between Nha-Trang and Tug-Hoa. (Seeds.)

236466. (Undetermined.)

No. 3. Between Dalat and Nha-Trang. (Seeds.)

236467. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered Jan. 14, 1957.

W.Va.B-68. 'Dunkle Half Runner'. Collected in 1952 in West Virginia; cultivated since by E. M. Meader, Agricultural Experiment Station, Durham, N. Hampshire. Plant 14 inches high; stems light green; leaves medium green, small; flowers white; pods slightly curved, very stringy when green, rough, wavy; yield high; 54 days to picking.

236468. *CUCUMIS* sp. Cucurbitaceae.

From Ethiopia. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Jan. 14, 1957.

Component of P.I. 193490; collected by W. A. Archer in market, Addis Ababa, in 1951. Fruit fuzzy.

236469 to 236474.

From French Equatorial Africa. Seeds presented by the Boukoko M'Baiki, S. Ubangi Shari. Received Jan. 15, 1957.

236469 and 236470. *COFFEA EXCELSA* A. Chev. Rubiaceae. **Congo coffee.**

236469. Typical form.

236470. A-28.

236471. *COFFEA CANEPHORA* Pierre ex Froeh. **Robusta coffee.**
'Nana'.

236472. *COFFEA* sp.
'Neo-arnoldiana'.

236473. *COFFEA CANEPHORA* Pierre ex Froeh. **Robusta coffee.**

236474. *COFFEA CANEPHORA* var. *UGANDAE* (Cramer) Chev. **Uganda coffee.**

No. VI.

236475 and 236476.

From the Netherlands. Seeds presented by the Jardin Botanique de l'Universite, Amsterdam. Received Jan. 15, 1957.

236475. *IPOMOEA* sp. Convolvulaceae.

236476. *LATHYRUS MONTANUS* Bernh. Fabaceae. **Peavine.**

236477. *HOLARRHENA ANTIDYSENTERICA* (Roth) Wall. **Apocynaceae.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Jan. 15, 1957. Grown at Dehra Dun.

236478 and 236479. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. **Fabaceae.** **Guar.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Jan. 1, 1957.

236478. 'Pusa Mausmi'. Local selection; maturing in 75 to 80 days; recommended for rainy season only.

236479. 'Pusa Sadabhara'. Selection from local variety 'Jaipuri'; unbranched; ripens in 45 days as summer crop; 55 days in rainy season.

236480. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**

From France. Budwood presented by the Pierre Lambertin Nurseries, Nimes (Gard). Received Jan. 15, 1957.

'Framboise D'Oberland', Swiss origin.

236481 to 236484.

From the United States. Plants growing at the United States Department of Agriculture, Regional Plant Introduction Station, Experiment, Georgia. Numbered Jan. 16, 1957.

236481. *LATHYRUS LATIFOLIUS* L. Fabaceae. **Perennial peavine.**
Originally from the Netherlands; comparable to the 'Wagner Flat'.

236482. *PHALARIS AQUATICA* L. Poaceae. **Large canarygrass.**
'Gb-81'. Grazing type, low, small stems. Originally from the Waite Agricultural Research Institute, Adelaide, South Australia.

236483. *TRIFOLIUM INCARNATUM* L. Fabaceae. **Crimson clover.**
Seeds white; flowers white, late. Originally from Bretigny-sur-Orge, France.

236484. *TRIFOLIUM FRAGIFERUM* L. **Strawberry clover.**
'Cohuna' or 'Swan Hill'. More vigorous than commercial types. Originally from the Arthur Yates Company, Sydney, Australia.

236485. BRASSICA RAPA L. Brassicaceae. Turnip.

From Australia. Seeds presented by the Department of Agriculture, Tasmania.
Received Jan. 16, 1957.

'Imperial Green Globe'.

236486. ONOBYRCHIS VICIAEFOLIA Scop. Fabaceae. Sainfoin.

From Turkey. Seeds presented by the International Cooperation Administration,
Nebraska Group. Received Jan. 16, 1957.

236487 and 236488.

From Argentina. Seeds presented by E. G. Beinhart, Buenos Aires. Received
Jan. 16, 1957.

236487. NICOTIANA AMEGHINOI Speg. Solanaceae. Tobacco.

Collected from herbarium specimen at Castelar Laboratory, Castelar.

236488. NICOTIANA SPEGAZZINII Millan. Tobacco.

Collected at Quichara, east of Tecka.

236489 to 236494. PISUM SATIVUM L. Fabaceae. Garden pea.

From the United States. Plants growing at the U.S. Department of Agriculture,
Regional Plant Introduction Station, Iowa State College, Ames, Iowa.
Numbered Jan. 16, 1957.

236489. 'Lamprecht line #21'. Plant tall; late; flowers light pink.

236490. 'Lamprecht line #58'. Plant tall; flowers purple; sugar pod.

236491. 'Lamprecht line #241'. Plant tall; late; flowers white; sugar pod.

236492. 'Lamprecht line #368'. Plant tall; flowers red.

236493. 'Lamprecht line #375'. Plant dwarf; flowers white; sugar pod.

236494. 'Maple Pea New Zealand'. Through Knauf & Tesch Company,
Chilton, Wis.

236495 to 236500.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial
Research Organization, Canberra. Received Jan. 17, 1957.

236495. SESBANIA BENTHAMIANA var. CAMPYLOCARPA Domin Fabaceae.

Q. 236. Originally from Nalia, Queensland.

236496. SESBANIA BENTHAMIANA var. ERUBESCENS Domin

Q. 197. Originally from Mount Isa, Queensland.

236497. SESBANIA BRACHYCARPA F. Muell.

Q. 211.

236498. SESBANIA SERICEA var. GLABRA Domin

Q. 268. Originally from Yeppon, Queensland.

236499. SESBANIA SERICEA var. INERMIS Domin

C 895. Originally from Katherine, Northern Territory.

236500. SESBANIA SERICEA var. SUBSINGULIFLORA Domin

C 852. Originally from Katherine, Northern Territory.

236501 to 236506.

From Vietnam. Presented by the United States Operations Mission, Saigon.
Received Jan. 17, 1957.

236501. HIBISCUS sp. Malvaceae.

Roadside between Nha Trang and Tray-Hoa. (Plants.)

236501 to 236506—Continued**236502.** (Undetermined.)

Roadside between Nha Trang and Tray-Hoa. (Plants.)

236503. HIBISCUS sp. Malvaceae.

No. 1. (Seeds.)

236504. HIBISCUS sp.

No. 2. (Seeds.)

236505. HIBISCUS sp.

No. 3. (Seeds.)

236506. HIBISCUS sp.

No. 4. (Seeds.)

236507 to 236524.

From Sweden. Scions presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received Jan. 17, 1957.

236507. CORYLUS sp. Betulaceae.

'Alnarps Cobnut'.

236508. CORYLUS sp.

'Barrs Zellar'.

236509. CORYLUS sp.

'Cosford'.

236510. CORYLUS sp.

'English Zellar'.

236511. CORYLUS sp.

'Fruhe von Frauendorf'.

236512. CORYLUS sp.

'Jattenot fr. Halle'.

236513. CORYLUS sp.

'Minnas Zellar'.

236514. CORYLUS sp.

'Tidig Lang Zellar'.

236515. CORYLUS sp.

C-32.

236516. CORYLUS sp.

C-2016.

236517. CORYLUS sp.

C-2033.

236518. CORYLUS sp.

C-2034.

236519. CORYLUS sp.

C-2121.

236520. CORYLUS sp.

C-2378.

236521. CORYLUS sp.

C-2470.

236507 to 236524—Continued236522. *CORYLUS* sp.

C-2647.

236523. *CORYLUS* sp.

C-2949.

236524. *CORYLUS* sp.

C-3243.

236525 to 236549.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 17, 1957. Localities given are the original sources.

236525. *PHALARIS ARUNDINACEA* L. Poaceae. **Reed canarygrass.**
C.P.I. 10446. Portugal.

236526 to 236530. *PHALARIS COERULESCENS* Desf. **Canarygrass.**

236526. C.P.I. 9785. Portugal.

236527. C.P.I. 14422. Portugal.

236528. C.P.I. 19184. Portugal.

236529. C.P.I. 19192. Tunisia.

236530. C.P.I. 19193. Greece.

236531 to 236535. *PHALARIS TRUNCATA* Guss. Poaceae. **Canarygrass.**

236531. C.P.I. 14500. Tunisia.

236532. C.P.I. 19241. Algeria.

236533. C.P.I. 19242. Algeria.

236534. C.P.I. 19247. Algeria.

236535. C.P.I. 19263. Tunisia.

236536 to 236549. *PHALARIS AQUATICA* L. Poaceae. **Large canarygrass.**

236536. V. 94. Commercial seed from Australia.

236537. C.P.I. 14419. Portugal.

236538. C.P.I. 14498. Algeria.

236539. C.P.I. 14693. Morocco.

236540. C.P.I. 14697. Morocco.

236541. C.P.I. 15021. Turkey.

236542. C.P.I. 15022. Turkey.

236543. C.P.I. 15110. Italy.

236544. C.P.I. 15220. Spain.

236545. C.P.I. 15592. Israel.

236546. C.P.I. 19289. Algeria.

236547. C.P.I. 19344. Portugal.

236548. C.P.I. 19351. Greece.

236549. C.P.I. 19357. Italy.

236550 to 236593.

From Chile. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 17, 1957.

236550 to 236592. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae. **Chiloe strawberry.**

236550 to 236566. Cordillera de los Raices.

236550. Col. No. 43.	236559. Col. No. 52.
236551. Col. No. 44.	236560. Col. No. 53.
236552. Col. No. 45.	236561. Col. No. 54.
236553. Col. No. 46.	236562. Col. No. 55.
236554. Col. No. 47.	236563. Col. No. 56.
236555. Col. No. 48.	236564. Col. No. 57.
236556. Col. No. 49.	236565. Col. No. 58.
236557. Col. No. 50.	236566. Col. No. 59.
236558. Col. No. 51.	

236567 to 236572. Ternas de Tolhuaca, near hotel.

236567. Col. No. 60.	236570. Col. No. 63.
236568. Col. No. 61.	236571. Col. No. 64.
236569. Col. No. 62.	236572. Col. No. 65.

236573 to 236577. Ternas de Tolhuaca, near road.

236573. Col. No. 66.	236576. Col. No. 69.
236574. Col. No. 67.	236577. Col. No. 70.
236575. Col. No. 68.	

236578. Col. No. 71. Cordillera de Los Raices. Elevation 1,400 feet.

236579. Col. No. 72. By Lake Malleco, Natural Park of Tolhuacia.

236580 to 236592. Near Lake Malleco.

236580. Col. No. 74.	236587. Col. No. 81.
236581. Col. No. 75.	236588. Col. No. 82.
236582. Col. No. 76.	236589. Col. No. 83.
236583. Col. No. 77.	236590. Col. No. 84.
236584. Col. No. 78.	236591. Col. No. 85.
236585. Col. No. 79.	236592. Col. No. 86.
236586. Col. No. 80.	

236593. (Undetermined.) Amaryllidaceae.

Col. No. 73. Red-flowered amaryllid.

236594 to 236596.

From Germany. Plants presented by Herm. A. Hesse, Baumschulen, Weener Ems, Ostfriesland. Received Jan. 18, 1957.

236594. PHELLODENDRON JAPONICUM Maxim. Rutaceae. **Corktree.**

236595. PTELEA TRIFOLIATA L. Rutaceae. **Hoptree.**

'Fastigiata'.

236596. SORBUS ARIA (L.) Crantz Malaceae. **White beam mountain-ash.**

'Chrysophylla'.

236597 to 236599. GOSSYPIUM (hybrids). Malvaceae. Cotton.

From the Sudan. Seeds presented by the Cotton Breeding Section, Shambat, North Khartoum. Received Jan. 18, 1957.

236597. BAR 7/6.

236598. BAR 11/5.

236599. BAR 15/1.

236600 to 236603.

From Hungary. Seeds presented by Mezogazdasagi Technikum, Szentes. Received Jan. 18, 1957.

236600. *ALOPECURUS PRATENSIS* L. Poaceae. **Meadow foxtail.**

236601. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. **Tall oatgrass.**

236602. *FESTUCA RUBRA* L. Poaceae. **Red fescue.**

'Tabarska'.

236603. *POA PRATENSIS* L. Poaceae. **Kentucky bluegrass.**

236604. GOSSYPIUM TOMENTOSUM Nutt. ex Seem. Malvaceae. Hawaiian cotton.

From Hawaii. Seeds presented by the University of Hawaii, Honolulu. Received Jan. 18, 1957.

236605 to 236615.

From France. Seeds presented by the Station de Selection, de Plantes de Grande Culture, Tournier Freres, Coulommiers. Received Jan. 18, 1957.

236605 to 236608. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

236605. "A". 236607. 'Craw'.

236606. "AA". 236608. 'Marsh'.

236609 to 236613. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

236609. From Austria.

236610. 'Heges Hoheinheimer'. From Germany.

236611. 'Khun'. From the Netherlands.

236612. 'Sepia'.

236613. From the French Alps.

236614 and 236615. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

236614. Originally from Turkey.

236615. Vorderasian. From Western Asia.

236616. VIGNA VEXILLATA (L.) A. Rich. Fabaceae. Cowpea.

From the Belgian Congo. Seeds presented by the Division de Botanique, Institut National pour L'Etude Agronomique du Congo Belge, Yangambi. Received Jan. 22, 1957.

'Mookso Ya Soto'.

236617 to 236623.

From the Union of South Africa. Seeds presented by G. A. van de Heever, Nigel, Transvaal. Received Jan. 22, 1957.

236617 and 236618. *DIGITARIA SMUTSII* Stent Poaceae. **Crabgrass.**

236617. No. 1.

236618. No. 2.

236617 to 236623—Continued

236619 to 236623. *ERAGROSTIS CURVULA* (Schrad.) Nees. Poaceae.
Weeping lovegrass.

- | | |
|---------------------------------|------------------------------|
| 236619. 'Cullinan'. | 236622. 'Tanganyika'. |
| 236620. 'Groot Fontein'. | 236623. 'Witbank'. |
| 236621. 'Mazeru'. | |

236624 to 236659.

From Chile. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 22, 1957. Collected Jan., 1957.

236624. *ARAUCARIA* sp. Pinaceae.

Col. No. 115. East of outlook over Termas, Tolhuaco, Argentine Trail.

236625 to 236659. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.
Chiloe strawberry.

236625. Col. No. 87. East of outlook over Termas, Tolhuaco, Argentine Trail. Elevation 1,480 meters.

236626. Col. No. 89. Beach west of Maullin.

236627. Col. No. 90. Beach west of Maullin.

236628. Col. No. 91. Beach west of Maullin.

236629. Col. No. 99. Slopes above Coyhauque. Fruits to 1 inch in diameter.

236630 to 236635. Mountainside east of Coyhauque. Elevation about 500 meters.

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|------------------------------|------------------------------|
| 236630. Col. No. 100. | 236633. Col. No. 103. |
| 236631. Col. No. 101. | 236634. Col. No. 104. |
| 236632. Col. No. 102. | 236635. Col. No. 105. |

236636 to 236643. Sixteen km. from Coyhauque, Catta Road. Elevation 700 meters.

- | | |
|------------------------------|------------------------------|
| 236636. Col. No. 106. | 236640. Col. No. 110. |
| 236637. Col. No. 107. | 236641. Col. No. 111. |
| 236638. Col. No. 108. | 236642. Col. No. 112. |
| (Plants and seeds). | (Plants and seeds.) |
| 236639. Col. No. 109. | 236643. Col. No. 113. |
| (Plants and seeds.) | |

236644 to 236659. Mountainside, above Coyhauque.

- | | |
|------------------------------|------------------------------|
| 236644. Col. No. 116. | 236651. Col. No. 123. |
| 236645. Col. No. 117. | 236652. Col. No. 124. |
| (Plants and seeds.) | 236653. Col. No. 125. |
| 236646. Col. No. 118. | 236654. Col. No. 126. |
| (Plants and seeds.) | 236655. Col. No. 127. |
| 236647. Col. No. 119. | 236656. Col. No. 128. |
| 236648. Col. No. 120. | 236657. Col. No. 129. |
| 236649. Col. No. 121. | 236658. Col. No. 130. |
| 236650. Col. No. 122. | 236659. Col. No. 131. |

236660 to 236990.

From Canada. Native and naturalized forage and ornamental plants collected by F. J. Hermann and B. M. Leese, Plant Introduction Section, Beltsville, Maryland, in Ontario, Manitoba, Saskatchewan, Alberta and British Columbia, June, July, August and September, 1956.

Seeds and plants from Alberta unless otherwise noted.

- 236660.** ACER GLABRUM Torr. Aceraceae. **Maple.**
Col. No. 31. Dense woods near the public campgrounds, Golden, British Columbia. Elevation 2,570 feet.
- 236661.** ACTAEA RUBRA (Ait.) Willd. Ranunculaceae. **Red baneberry.**
Col. No. 187. Banff National Park, 4.5 miles west of Banff. Elevation 4,600 feet.
- 236662.** ACTAEA RUBRA f. NEGLECTA (Gillman) Robins **Baneberry.**
Col. No. 271. Along Sturgeon Lake, 3 miles west of Calala.
- 236663 to 236667.** AGROPYRON DASYSTACHYUM (Hook.) Scribn. Poaceae. **Thickspike wheatgrass.**
- 236663.** Col. No. 115. Plains along Waterton Lake National Park. Plant 2 feet high; glaucous.
- 236664.** Col. No. 280. Arid slopes above the shelf of Peace River near Dunvegan. Elevation 2,200 feet. Plant 2.5 feet high; glaucous.
- 236665.** Col. No. 288. Shelf overlooking the Peace River, 2 miles south of the town, Peace River.
- 236666.** Col. No. 319. Sand dunes, 17 miles north of Jasper, Route 16. Some fertile florets.
- 236667.** Col. No. 331. Two miles east of Fort Saskatchewan.
- 236668 to 236672.** AGROPYRON INERME (Scribn. & Sm.) Rydb. **Beardless wheatgrass.**
- 236668.** Col. No. 19. Sandy loam valley 2 miles north of Kimberly, British Columbia. Elevation 2,700 feet. Plant 2 feet high; awnless.
- 236669.** Col. No. 77. Arid slope 1 mile south of Ainsworth, British Columbia. Plant 4 feet high; spikes narrow, 8 inches long.
- 236670.** Col. No. 78. Arid, rocky slope, 1 mile south of Slocan, British Columbia.
- 236671.** Col. No. 79. One mile south of Boswell, British Columbia.
- 236672.** Col. No. 96. Dry slope associated with douglas-fir and yellow pine, St. Mary's Lake Road, British Columbia, 3 miles west of Route 95. Plant 3.5 feet high; awnless.
- 236673 to 236675.** AGROPYRON LATIGLUME (Scribn. & Sm. Rydb. **Wheatgrass.**
- 236673.** Col. No. 158. Sentinel Peak, Coleman-Kananaskis Road. Elevation 7,785 feet. Plant 1 foot high; spikes robust.
- 236674.** Col. No. 298. Along McLeod Road, 4.5 miles south of Cadomin.
- 236675.** Col. No. 315. Route 16, 12 miles north of Jasper.
- 236676.** AGROPYRON PSEUDOREPENS Scribn. & Sm. **Wheatgrass.**
Col. No. 192. Eroded bank along the Bow River, 1 mile west of Banff. Elevation 4,585 feet. Plant 4 feet high; spikes to 8 inches long.
- 236677 and 236678.** AGROPYRON SMITHII Rydb. **Western wheatgrass.**
- 236677.** Col. No. 24. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet. Plants 4 feet high; spikes 6 inches long; very robust.
- 236678.** Col. No. 116. Plains along Waterton Lake.

236660 to 236990—Continued

- 236679 and 236680.** *AGROPYRON SMITHII* var. *MOLLE* (Scribn. & Sm.) Jones
Wheatgrass.
- 236679.** Col. No. 157. Open field in lodgepole pine woods, Coleman-Kananaskis Road, Livingstone Falls. Plants to 2 feet high; spike pubescent.
- 236680.** Col. No. 246. Open meadow along North Ram River, Clearwater Forest, 20 miles south of Nordegg.
- 236681 to 236683.** *AGROPYRON SPICATUM* (Pursh) Scribn. & Sm.
Bluebunch wheatgrass.
- 236681.** Col. No. 108. Acid rocky soil, 6 miles west of Coleman.
- 236682.** Col. No. 204. Dry aspen slope, Spray River Trail, Banff National Park. Elevation 4,700 feet.
- 236683.** Col. No. 282. Grassy slope along Peace River near Dunvegan. Plant 1.5 feet high.
- 236684 to 236698.** *AGROPYRON SUBSECUNDUM* (Link) Hitchc. **Wheatgrass.**
- 236684.** Col. No. 90. Dry rocky plains associated with yellow pine, larch and spruce, 3 miles northwest of Cranbrook, British Columbia. Plant 2 feet high.
- 236685.** Col. No. 104. Four and one-half miles northeast of Hosmer, British Columbia. Colony 2.5 feet high.
- 236686.** Col. No. 127. Grassy plains along Waterton Lake National Park. Elevation 4,100 feet. Plant 1 foot high; spikes robust.
- 236687.** Col. No. 141. Aspen woods, 17 miles north of Coleman. Coleman-Kananaskis Road. Plant awned.
- 236688.** Col. No. 164. Edge of pond in open spruce woods, 0.5 mile north of Canmore. Plant 3.5 feet high; single plant collection.
- 236689.** Col. No. 224. Dry slope on edge of wet meadow, 1.5 miles south of Ram River, Clearwater Forest, 40 miles south of Nordegg. Plant 1.5 feet high; spikes 6 inches long.
- 236690.** Col. No. 226. Forty miles south of Nordegg, 1.5 miles south of Ram River. Plant 2.5 feet high; spikes to 8 inches long; 1 plant collection.
- 236691.** Col. No. 239. Dry slope, 3.5 miles south of Ram River, 40 miles south of Nordegg. Plant 2 feet high; 1 plant collection.
- 236692.** Col. No. 245. Meadow along North Ram River, Clearwater Forest, 20 miles south of Nordegg. Plant 2 feet high; spikes tinged red.
- 236693.** Col. No. 249. Three miles south of Athabasca. Plant 3.5 feet high; spikes 6 inches long.
- 236694.** Col. No. 250. Two miles south of Athabasca.
- 236695.** Col. No. 256. Open aspen woods, 2 miles east of Smith.
- 236696.** Col. No. 265. Along Sturgeon Lake, 3 miles west of Calais.
- 236697.** Col. No. 281. Along dry slope, Peace River near Dunvegan. Plant 2.5 feet high; not typical.
- 236698.** Col. No. 285. Arid slope along Peace River near Dunvegan.
- 236699 to 236728.** *AGROPYRON TRACHYCAULUM* (Link) Malte.
Slender wheatgrass.
- 236699.** Col. No. 18. Roadside 2 miles west of Wardner on Route #3, British Columbia. Elevation 2,400 feet. Plant 2.5 feet high; spikes 8 inches long; heavy seeder.
- 236700.** Col. No. 24. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet. Plant 4 feet high; spikes 6 inches long; very robust.
- 236701.** Col. No. 25. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet.

236660 to 236990—Continued**236699 to 236728—Continued**

- 236702.** Col. No. 27. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet. Plant 11 inches high, leaves at base; spikelets bunched.
- 236703.** Col. No. 28. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet. Plants to 3 feet high; spikes to 8 inches long; awned.
- 236704.** Col. No. 75. On mineral outcrop, 3 miles east of Zincton, British Columbia. Elevation 1,700 feet. Plant 3 feet high.
- 236705.** Col. No. 76. Dry slope, 1 mile north of Ainsworth, British Columbia. Elevation 1,600 feet. Plant 3 feet high; spikes 8 inches long, slender.
- 236706.** Col. No. 82. Six miles south of Boswell, British Columbia.
- 236707.** Col. No. 86. Moyie, British Columbia.
- 236708.** Col. No. 101. Along Fairy Creek, 1 mile west of Fernie, British Columbia. Plant 2.5 feet high; spikes robust.
- 236709.** Col. No. 109. Dry rocky slope, 6 miles west of Coleman. Plant 3.5 feet high; spikes robust; clumps large.
- 236710.** Col. No. 136. Clearing in lodgepole pine woods, 4 miles north of Coleman, Coleman-Kananaskis Road. Plant 1.5 feet high; spikes robust, slightly awned.
- 236711.** Col. No. 142. Clearing in aspen woods, 14 miles north of Coleman, Coleman-Kananaskis Road.
- 236712.** Col. No. 149. Dry rock ledge, 40 miles north of Coleman, Coleman-Kananaskis Road. Elevation 6,000 feet.
- 236713.** Col. No. 182. Sixteen miles north of McCleod Meadows, Kootenay National Park, British Columbia. Elevation 4,300 feet.
- 236714.** Col. No. 189. Road to Strom's Halfway Cabin, 4.5 miles west of Banff. Elevation 4,600 feet.
- 236715.** Col. No. 193. Along the Bow River, 1 mile west of Banff. Elevation 4,500 feet.
- 236716.** Col. No. 194. Banff National Park, 1 mile north of Banff. Elevation 4,500 feet.
- 236717.** Col. No. 197. Near the Banff Chair Lift on Mount Norquay. Elevation 5,700 feet.
- 236718.** Col. No. 198. Mount Norquay, Banff National Park. Elevation 5,700 feet.
- 236719.** Col. No. 205. Open meadow, 5.5 miles northeast of Banff on Lake Minnewanka. Elevation 4,600 feet.
- 236720.** Col. No. 223. Dry slope along wet meadow, 1.5 miles south of Ram River, 40 miles south of Nordegg. Plant 3 feet high, vigorous.
- 236721.** Col. No. 225. Edge of pond, 1.5 miles south of Ram River, 40 miles south of Nordegg. Clearwater Forest. Plant 3 feet high; glaucous.
- 236722.** Col. No. 227. Dry slope, 40 miles south of Nordegg. Plant 1.5 feet high; spikes 3 inches long, plump.
- 236723.** Col. No. 243. Dry, gravelly soil, Elk Creek, Clearwater Forest. Plant 2 feet high; spikes red.
- 236724.** Col. No. 254. Sandy soil, 2 miles east of Smith. Plant 2.5 feet high; spikes 5 inches long.
- 236725.** Col. No. 275. In aspen-alder woods, 25 miles north of Grande Prairie. Elevation 2,400 feet. Plant 4 feet high; spikes very slender.

236660 to 236990—Continued**236699 to 236728—Continued**

- 236726.** Col. No. 290. Near the Grouard Mission, 11 miles north of Enilda.
- 236727.** Col. No. 302. Mountain Park in moist alpine meadow below town. Elevation 6,000 feet. Plant 1.5 feet high.
- 236728.** Col. No. 316. Along Miette River, Jasper.
- 236729.** *ALLIUM CERNUM* Roth Liliaceae. **Nodding onion.**
Col. No. 89-12999. Dry, rocky plains associated with yellow pine, larch and spruce, 3 miles northwest of Cranbrook, British Columbia.
- 236730 to 236732.** *ALOPECURUS AEQUALIS* Sobol. Poaceae. **Shortawn foxtail.**
- 236730.** Col. No. 234. Clearwater Forest, 40 miles south of Nordegg.
- 236731.** Col. No. 252. Along the Athabasca River, Athabasca. Single plant, 1 foot high.
- 236732.** Col. No. 268. Along Sturgeon Lake, 3 miles west of Calais.
- 236733 and 236734.** *AMELANCHIER ALNIFOLIA* Nutt. Malaceae. **Serviceberry.**
- 236733.** Col. No. 270. Along Sturgeon Lake, 3 miles west of Calais. Bush 5 feet high; fruits large, juicy, fine flavor, heavily fruited.
- 236734.** Col. No. 277. Along the Peace River near Dunvegan.
- 236735 to 236737.** *AMELANCHIER FLORIDA* Lindl. **Serviceberry.**
- 236735.** Col. No. 16. Yellow pine woods, 3 miles west of Elko on Route 3, British Columbia. Fruits large, juicy.
- 236736.** Col. No. 39. Open dry rocky slope along Yard Creek, Eagle Pass, British Columbia. Plant 3 feet high.
- 236737.** Col. No. 67. Gravel slope above Arrow Lake, British Columbia. Elevation 1,400 feet. Bush 8 feet high; fruits large, juicy.
- 236738.** *ARCTOSTAPHYLOS RUBRA* (Rehd. & Wils.) Fern. Ericaceae. **Manzanita.**
Col. No. 200. Tundra near summit of Mount Norquay, Banff National Park. Elevation 6,800 feet.
- 236739 and 236740.** *ASTRAGALUS ABORIGINUM* Richards. Fabaceae. **Milkvetch.**
- 236739.** Col. No. 11. Stavely Grassland Substation of Lethbridge Experimental Station, 13 miles west of Stavely.
- 236740.** Col. No. 230. Clearwater Forest, 40 miles south of Nordegg. Elevation 5,500 feet.
- 236741.** *ASTRAGALUS AGRESTIS* Dougl. **Purple milkvetch.**
Col. No. 8. Fort Saskatchewan. Open field, sandy soil.
- 236742.** *ASTRAGALUS ALPINUS* L. **Alpine milkvetch.**
Col. No. 228. One and one-half miles south of Ram River, Clearwater Forest, 40 miles south of Nordegg.
- 236743.** *ASTRAGALUS AMERICANUS* (Hook.) Jones **Milkvetch.**
Col. No. 165. Spruce woods, Canmore.
- 236744.** *ASTRAGALUS CANADENSIS* L. **Milkvetch.**
Col. No. 292. Along Smoky River, 10 miles southwest of Triangle.
- 236745.** *ASTRAGALUS COLLINUS* Dougl. **Milkvetch.**
Col. No. 50. Parkland meadow, 10 miles north of Kamloops, road to Dominion Experiment plots, Pass Lake, British Columbia. Elevation 1,600 feet. Plant 14 inches high; heavy seed producer.

236660 to 236990—Continued

- 236746.** *ASTRAGALUS CRASSICARPUS* var. *PAYSONII* (Kelso) Barneby **Milkvetch.**
Col. No. 113. Crownest Pass Plateau, 4 miles west of Coleman. Elevation 4,450 feet.
- 236747.** *ASTRAGALUS LENTIGINOSUS* Dougl. **Milkvetch.**
Col. No. 46. On sage brush hills, road to city garbage dump, North Kamloops, British Columbia. Elevation 1,400 feet.
- 236748.** *ASTRAGALUS MISER* var. *SEROTINUS* (Gray) Barneby **Milkvetch.**
Col. No. 29. Vacant lot next to Riverside Auto Camp, Golden, British Columbia. Elevation 2,570 feet.
- 236749.** *ASTRAGALUS STRIATUS* Nutt. **Prairie milkvetch.**
Col. No. 214. Sandy shelf overlooking the Ghost River.
- 236750.** *ASTRAGALUS TENELLUS* Pursh **Milkvetch.**
Col. No. 215. Sandy shelf overlooking the Ghost River, 11 miles west of Cochrane.
- 236751.** *ASTRAGALUS* sp.
Col. No. 128. Dry lodgepole pine slope, 4 miles north of Coleman, Coleman-Kananaskis Road.
- 236752.** *BETULA GLANDULOSA* Michx. Betulaceae. **Bog birch.**
Col. No. 6. West bank along the Bow River, Lake Louise Station. Elevation 5,050 feet. Shrub 4 feet high.
- 236753.** *BROMUS ANOMALUS* Rupr. ex Fourn. Poaceae. **Nodding brome.**
Col. No. 144. Dry clearing above aspen woods, 17 miles north of Coleman, Coleman-Kananaskis Road.
- 236754 to 236757.** *BROMUS CARINATUS* Hook. & Arn. **California brome.**
- 236754.** Col. No. 30. Near public campgrounds, Golden, British Columbia. Elevation 2,500 feet. Plant 3.5 feet high; spikes robust.
- 236755.** Col. No. 32. Eroded bank in hemlock-arborvitae woods, 80 miles north of Golden on Route #1, British Columbia. Plant 2 feet high.
- 236756.** Col. No. 36. Along the Canadian Pacific Railroad, Revelstoke, British Columbia. Elevation 1,440 feet.
- 236757.** Col. No. 61. Along the Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet. Plant 5 feet high; spikes flat, drooping.
- 236758 to 236763.** *BROMUS CILIATUS* L. **Fringed brome.**
- 236758.** Col. No. 172. Nixon Creek, Kootenay National Park, British Columbia. Elevation 4,000 feet.
- 236759.** Col. No. 219. About 12 miles east of Nordegg. Clearwater Forest boundary, lodgepole pine woods.
- 236760.** Col. No. 222. Dry slope along a marsh, 1.5 miles south of Ram River, Clearwater Forest, 40 miles south of Nordegg. Plant 3.5 feet high.
- 236761.** Col. No. 248. Shrubby aspen woods, 2 miles south of Athabasca. Plant 2.5 feet high.
- 236762.** Col. No. 273. Aspen-alder woods, 25 miles north of Grande Prairie. Elevation 2,400 feet. Plant 2 feet high.
- 236763.** Col. No. 295. Eroded sandy hillside, 3 miles southwest of Robb. Plant 4 feet high.
- 236764.** *BROMUS PUMPELLIANUS* Scribn. **Brome.**
Col. No. 317. Along Miette River, Jasper.

236660 to 236990—Continued**236765 to 236773. BROMUS MARGINATUS** Nees **Mountain brome.**

236765. Col. No. 56. Ten miles west of Revelstoke, Big Bend Highway, near Crescent Falls, British Columbia. Plant 3.5 feet high; heavy seeder.

236766. Col. No. 69. Along the Kuskonook Creek, 2 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Plant 4 feet high; drooping habit.

236767. Col. No. 74. Near a mine dump, Zincton, British Columbia. Elevation 1,700 feet. Plant 5 feet high; robust.

236768. Col. No. 88. Arid, rocky soil, 6 miles southeast of Moyie, British Columbia. Plant 3 feet high, very pubescent.

236769. Col. No. 102. Four miles northeast of Hosmer, British Columbia. Plant 5.5 feet high; spikelets robust.

236770. Col. No. 103. Dry sandy soil, 4 miles northeast of Hosmer, British Columbia. Plant 2 feet high.

236771. Col. No. 117. Waterton Park townsite, Waterton Lakes National Park. Plant 5 feet high, robust.

236772. Col. No. 119. Trail between Cameron Lake and Waterton Park townsite, Waterton Lakes National Park.

236773. Col. No. 138. Aspen woods, 17 miles north of Coleman, Coleman-Kananaskis Road. Plant 1.5 feet high.

236774 and 236775. BROMUS PUMPELLIANUS Scribn. **Brome.**

236774. Col. No. 118. Grassy hillside on trail between Cameron Lake and Waterton Park townsite, Waterton Lakes National Park. Plants 2 feet high; panicles drooping; spikelets thin, slender in habit.

236775. Col. No. 183. Animal lick, 16 miles north of McCleod Meadows, Kootenay National Park, British Columbia. Elevation 4,300 feet. Plant 5 feet high.

236776. BROMUS VULGARIS (Hook.) Shear **Columbia brome.**

Col. No. 121. Lodgepole pine slope, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,400 feet. Plant 2.5 feet high.

236777. CAREX AENEA Fernald Cyperaceae. **Sedge.**

Col. No. 65. Sandy soil along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet.

236778. CAREX ATROSQUAMA Mack. **Sedge.**

Col. No. 173. Rock Isle Lake, 3.5 miles southeast of Simpson Pass, British Columbia. Elevation 7,600 feet.

236779. CAREX AUREA Nutt. **Golden sedge.**

Col. No. 179. Animal lick, 16 miles north of McCleod Meadows, Kootenay National Park, British Columbia.

236780. CAREX CAPILLARIS L. **Sedge.**

Col. No. 163. Moist, sandy, spruce grove along pond, Canmore.

236781. CAREX DISPERSA Dewey **Sedge.**

Col. No. 184. Five miles west of Castle Mountain, Boom Creek, Banff National Park. Elevation 4,800 feet.

236782. CAREX EURYSTACHYA F. J. Hermann **Sedge.**

Col. No. 314. Animal lick on northern slope of Mount Edith Cavell, Jasper National Park, British Columbia.

236783. CAREX FLAVA L. **Sedge.**

Col. No. 180. Animal lick, 16 miles north of McCleod Meadows, Kootenay National Park British Columbia.

236660 to 236990—Continued

- 236784.** *CAREX HOOKERIANA* Dewey **Sedge.**
Col. No. 9. Dry sandy plains, Fort Saskatchewan.
- 236785.** *CAREX INTERIOR* Bailey **Inland sedge.**
Col. No. 162. Marshy edge of pond, Canmore.
- 236786.** *CAREX LEPTOPODA* Mack **Sedge.**
Col. No. 66. Along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet.
- 236787.** *CAREX LIMNOPHILA* F. J. Hermann **Sedge.**
Col. No. 209. Two Jack Lake, Banff National Park.
- 236788.** *CAREX MEDIA* R. Br. **Sedge.**
Col. No. 185. Boom Creek, Banff National Park. Elevation 4,800 feet.
- 236789.** *CAREX MERTENSII* Prescott **Sedge.**
Col. No. 55. Two miles east of Griffin Lake, Eagle Pass, British Columbia.
- 236790.** *CAREX NIGRICANS* C. A. Mey. **Sedge.**
Col. No. 161. Mountain Meadow, 90 miles north of Coleman, Coleman-Kananaskis Road, Highwood Range. Elevation 7,500 feet.
- 236791.** *CAREX PACHYSTACHYA* Cham. **Chamisso sedge.**
Col. No. 34. Clearing along road in spruce woods, Royal Road, Mountain Revelstoke, British Columbia. Elevation 2,700 feet. Plants unusually tall and rank.
- 236792 and 236793.** *CAREX PETASATA* Dewey **Sedge.**
236792. Col. No. 45. Road to garbage dump, North Kamloops, British Columbia. Elevation 1,400 feet.
236793. Col. No. 143. Dry slope, 17 miles north of Coleman, Coleman-Kananaskis Road.
- 236794.** *CAREX PHYSOCARPA* Presl **Sedge.**
Col. No. 233. Clearwater Forest, 1.5 miles south of Ram River, 40 miles south of Nordegg.
- 236795.** *CAREX PRAEGRACILIS* Boott **Sedge.**
Col. No. 47. Near pond on road to Dominion Experiment Plots, Pass Lake, British Columbia, 10 miles north of Kamloops.
- 236796.** *CAREX PRATICOLA* Rydb. **Sedge.**
Col. No. 210. Two Jack Lake, Banff National Park.
- 236797 to 236800.** *CAREX RAYMONDII* Calder **Sedge.**
236797. Col. No. 156. Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet.
236798. Col. No. 206. Clearing in wet spruce woods, along Spray Road, Banff National Park.
236799. Col. No. 211. Two Jack Lake, Banff National Park. Elevation 4,800 feet.
236800. Col. No. 241. Clearwater Forest, 3.5 miles south of Ram River.
- 236801.** *CAREX ROSSII* Boott **Sedge.**
Col. No. 130. Along Coleman-Kananaskis Road, 4 miles north of Coleman. Elevation 4,700 feet. Heavily grazed.
- 236802.** *CAREX SCIPPIFORMIS* Mack. **Sedge.**
Col. No. 13. Sod forming in dry, alkaline meadow 16 miles northeast of Burmis, Willow Valley. Elevation 4,500 feet.

236660 to 236990—Continued

- 236803.** *CAREX STIPATA* Muhl. **Sedge.**
Col. No. 54. Wet ditch, 2 miles east of Griffin Lake, Eagle Pass, British Columbia.
- 236804.** *CAREX VAGINATA* Tausch **Sedge.**
Col. No. 175. Open bog along Sundance River, Banff.
- 236805 to 236808.** *ELYMUS CANADENSIS* L. Poaceae. **Canadian wildrye.**
236805. Col. No. 60. Along the banks of Upper Arrow Lake, Arrowhead, British Columbia. Elevation 1,400 feet. Plant 5 feet high; spikes 8 inches long, drooping.
236806. Col. No. 80. Eroded, rocky bank 6 miles south of Boswell, British Columbia. Plants 6 feet high.
236807. Col. No. 276. Along the Peace River near Dunvegan.
236808. Col. No. 291. Sandy soil along the edge of aspen woods on Little Smoky River, 10 miles southwest of Triangle. Plant 5.5 feet high.
- 236809.** *ELYMUS CINEREUS* Scribn. & Merr. **Wildrye.**
Col. No. 44. Ditch along Canadian Pacific Railroad, 25 miles east of Kamloops on Route 1, British Columbia. Plant 10 feet high; spikes 8 inches long; dense stand.
- 236810 to 236817.** *ELYMUS GLAUCUS* Buckl. **Blue wildrye.**
236810. Col. No. 23. Edge of spruce woods, southeast shore of Emerald Lake, Yoho National Park, British Columbia. Elevation 4,300 feet. Plant 4 feet high; leaf blades unusually wide; single plant.
236811. Col. No. 37. One mile south of Revelstoke, British Columbia. Elevation 1,440 feet. Plant 5 feet high; spikes 6 inches long, tinged violet.
236812. Col. No. 38. Eagle Pass, 7 miles west of Three Valley Lake on Route 1, British Columbia. Elevation 3,600 feet. Plants 6 feet high; spikes 8 inches long; leaves 1 inch wide.
236813. Col. No. 57. Dry, eroded soil, 10 miles west of Revelstoke near Crescent Falls, Big Bend Highway, British Columbia.
236814. Col. No. 62. Dense woods along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet. Plant 4 feet high; leaves 1 inch wide.
236815. Col. No. 81. Arid, rocky slope, 6 miles south of Boswell, British Columbia. Plants 3.5 feet high; leaves 0.75 inch wide.
236816. Col. No. 95. Dry eroded bank, St. Mary's Lake, between Marysville and Kimberley, British Columbia. Plant 6 feet high; leaves 0.75 inch wide.
236817. Col. No. 169. Nixon Creek, Kootenay National Park. Elevation 4,000 feet. Plant 4 feet high; leaves broad, very lax.
- 236818 to 236820.** *ELYMUS INNOVATUS* Beal **Wildrye.**
236818. Col. No. 110. Arid slope 6 miles west of Coleman.
236819. Col. No. 119. Dry slope, road to Banff Chair Lift on Mount Norquay. Elevation 4,800 feet. Plant 2.5 feet high; leaves basal, flat, lax.
236820. Col. No. 244. Dry shoulder of road, Clearwater Forest, 1.5 miles south of Ram River. Plant 3 feet high; spikes robust.
- 236821 to 236825.** *FESTUCA IDAHOENSIS* Elmer Poaceae. **Idaho fescue.**
236821. Col. No. 17. Yellow pine flats 3 miles west of Elko on Route 3, British Columbia.
236822. Col. No. 59. Entrance to Mount Revelstoke Park, British Columbia. Elevation 1,400 feet. Plant 2 feet high; spikes well developed.

236660 to 236990—Continued**236821 to 236825—Continued**

236823. Col. No. 126. Grassy plains along Waterton Lake, Waterton Lakes National Park. Elevation 4,100 feet. Plant 1.5 feet high.

236824. Col. No. 132. Aspen woods 4 miles north of Coleman, Coleman-Kananaskis Road. Plant 2 feet high; clumps large; heavy seeder.

236825. Col. No. 137. Scattered in aspen woods 4 miles north of Coleman, Coleman-Kananaskis Road.

236826 to 236829. FESTUCA OCCIDENTALIS Hook. Fescue.

236826. Col. No. 35. Seven miles west of Three Valley Lake on Route 1, Eagle Pass, British Columbia. Elevation 3,600 feet. Plant 1.5 feet high.

236827. Col. No. 64. Near river, dry sandy soil along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet.

236828. Col. No. 84. Arid open gravelly plains 10 miles east of Creston, British Columbia.

236829. Col. No. 94. Parkland of yellow pine and aspen 7 miles northwest of Cranbrook, British Columbia.

236830 to 236833. FESTUCA OVINA L. Sheep fescue.

236830. Col. No. 105. Dry rocky slope, Crowsnest, British Columbia.

236831. Col. No. 147. Dry open field 8 miles north of Dutch Creek, Coleman-Kananaskis Road. Elevation 5,090 feet.

236832. Col. No. 202. Dry slope, road to Banff Chair Lift on Mt. Norquay, Banff National Park. Elevation 4,800 feet.

236833. Col. No. 203. Dry aspen slope, Spray River Trail, Banff National Park. Elevation 4,700 feet.

236834. FESTUCA RUBRA L. Red fescue.

Col. No. 217. Three miles west of Rocky Mount House. Plant 10 inches high.

236835 to 236838. FESTUCA OVINA L. Sheep fescue.

236835. Col. No. 231. Dry sandy soil, 1.5 miles south of Ram River, Clearwater Forest. Plant 8 inches high. Single plant.

236836. Col. No. 238. Dry sandy soil 3.5 miles south of Ram River, Clearwater Forest. Plant 12 inches high; single plant.

236837. Col. No. 257. Two miles east of Smith. Plant 8 inches high.

236838. Col. No. 299. Along the McLeod Road to Mountain Park, 4.5 miles south of Cadomin.

236839 to 236846. FESTUCA RUBRA L. Red fescue.

236839. Col. No. 106. Crowsnest, British Columbia. Plant 3 feet high; spikelets stout.

236840. Col. No. 181. Animal lick, 16 miles north of McCleod Meadows, Kootenay National Park, British Columbia. Single, outstanding clump formation; leaves dark green.

236841. Col. No. 208. Spray River, Banff National Park.

236842. Col. No. 221. Open meadow along North Ram River, 20 miles south of Nordegg. Elevation 5,500 feet. Plant 1.5 feet high; culms and spikelets red.

236843. Col. No. 240. Dry gravelly soil 3.5 miles south of Ram River, 42 miles south of Nordegg, Clearwater Forest. Plant 2 feet high; culms and spikelets red; plant.

236844. Col. No. 242. Dry gravelly soil, 3.5 miles south of Ram River, 42 miles south of Nordegg. Plant 3 feet high; high percentage vegetative growth. Plant.

236660 to 236990—Continued**236839 to 236846—Continued**

236845. Col. No. 274. Twenty-five miles north of Grande Prairie.

236846. Col. No. 312. Northeastern slope Mount Edith Cavell, Jasper National Park. Plant densely caespitose; culms 1 foot high; decumbent.

236847 to 236852. *FESTUCA SCABRELLA* Torr. **Rough fescue.**

236847. Col. No. 139. Dry field 17 miles north of Coleman, Coleman-Kananaskis Road. Plant 4 feet high, forming large clumps.

236848. Col. No. 146. Table land of lodgepole pine 8 miles north of Dutch Creek, Coleman-Kananaskis Road. Elevation 5,090 feet. Plant 4 feet high.

236849. Col. No. 325. Two miles east of Fort Saskatchewan.

236850. Col. No. 326. Four miles east of Fort Saskatchewan.

236851. Col. No. 327. One mile east of Fort Saskatchewan.

236852. Col. No. 330. One-half mile east of Fort Saskatchewan.

236853. *FRAGARIA GLAUCA* (S. Wats.) Rydb. Rosaceae. **Blueleaf strawberry.**

Col. No. 131. Clearing in lodgepole pine woods 4 miles north of Coleman, Coleman-Kananaskis Road.

236854. *FRAGARIA* sp.

Col. No. 303. Spruce woods 4.5 miles south of Cadomin, along the McLeod Road to Mountain Park. Plant 6 inches high; fruits large.

236855. *GEOCAULON LIVIDUM* (Richards.) Fernald Santalaceae.

Col. No. 178. Open spruce woods on bank of Kootenay River, Kootenay National Park, British Columbia, near McCleod Creek. Plant 10 inches high; fruits bright orange.

236856. *JUNIPERUS HORIZONTALIS* Moench. Pinaceae. **Creeping juniper.**

Col. No. 213. Sandy shelf overlooking the Ghost River.

236857 and 236858. *LATHYRUS OCHROLEUCUS* Hook. Fabaceae. **Peavine.**

236857. Col. No. 176. Banff.

236858. Col. No. 266. Along Sturgeon Lake, 3 miles west of Calais.

236859. *LEPTARRHENA PYROLIFOLIA* (D. Don) R. Br. Saxifragaceae.

Col. No. 174. Sunshine Ski Lodge, 12 miles south of Banff, Banff National Park. Elevation 7,300 feet.

236860. *LOMATIUM SIMPLEX* var. *LEPTOPHYLLUM* (Hook.) Mathias Apiaceae

Col. No. 12. Crowsnest Pass, 4 miles west of Coleman on plateau in gravelly soil. Elevation 4,450 feet.

236861. *LOMATIUM* sp.

Col. No. 34. Lodgepole pine woods clearing, 4 miles north of Coleman, Coleman-Kananaskis Road.

236862. *LOTUS PURSHIANUS* (Benth.) Clements & Clements Fabaceae. **Trefoil.**

Col. No. 49. Parkland meadow, road to Dominion Experiment Plots at Pass Lake, 10 miles north of Kamloops, British Columbia. Elevation 1,600 feet. Plant 8 inches high; heavy seed producer.

236863. *LUPINUS LEUCOPHYLLUS* Dougl. Fabaceae. **Lupine.**

Col. No. 111. Four miles west of Coleman.

236864 and 236865. *LUPINUS POLYPHYLLUS* Lindl. **Washington lupine.**

236864. Col. No. 83. Nine miles east of Creston, British Columbia.

236865. Col. No. 133. Clearing in lodgepole slope, 4 miles north of Coleman, Coleman-Kananaskis Road; associated with vetch and Douglas-fir.

236660 to 236990—Continued**236866.** LUPINUS SERICEUS Pursh**Lupine.**

Col. No. 93. Rocky yellow pine plains, 7 miles northwest of Cranbrook, British Columbia. Elevation 3,000 feet.

236867. MELICA SMITHII (Porter) Vasey. Poaceae.**Melic.**

Col. No. 122. Lodgepole pine slopes, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,500 feet. Plant 4.5 feet high; branched panicles; awned.

236868. MELICA SUBULATA (Griseb.) Scribn.**Melic.**

Col. No. 120. Lodgepole slope, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,400 feet. Awnless.

236869 to 236873. ORYZOPSIS ASPERIFOLIA Michx. Poaceae.**Roughleaf ricegrass.****236869.** Col. No. 1. Scattered in white pines on the north shore of Lake of the Woods, Kenora. Plants 1.5 feet high.**236870.** Col. No. 3. Kenora. Plants 1.5 feet high; scattered; shattering.**236871.** Col. No. 4. Lodgepole pine woods, 20 miles south of Maple Creek, Cypress Hill Park, Saskatchewan. Plant 1.5 feet high; leaves 0.25 inch wide; scattered.**236872.** Col. No. 5. Upper Hot Springs, 2 miles southeast of Banff. Elevation 5,200 feet.**236873.** Col. No. 7. Rocky soil in open lodgepole pine grove along the Bow River, Lake Louise Station. Elevation 5,050 feet.**236874 and 236875.** ORYZOPSIS CANADENSIS (Poir.) Torr. **Canada ricegrass.****236874.** Col. No. 328. Low spot in native prairie, Fort Saskatchewan.**236875.** Col. No. 329. Four miles east of Fort Saskatchewan.**236876 to 236879.** ORYZOPSIS HYMENOIDES (Roem. & Schult.) Ricker**Indian ricegrass.****236876.** Col. No. 20. Eroded, sandy hillside, Paradise Mine Road, 0.5 mile west of Wilmer, British Columbia. Elevation 3,100 feet. Seeds brown, small.**236877.** Col. No. 114. Deep sandy soil, North Kamloops, British Columbia. Plant 1.5 feet high; seeds very small, black.**236878.** Col. No. 212. Sandy shelf overlooking the Ghost River, 11 miles west of Cochrane. Seeds large, brown.**236879.** Col. No. 261. Sandy soil, 2 miles east of Smith. Plant 3 feet high; seeds small, brown.**236880 to 236883.** ORYZOPSIS PUNGENS (Torr.) Hitchc. **Shorthorn ricegrass.****236880.** Col. No. 2. In scattered white pine, shore of the Lake of the Woods, Kenora. Plants few.**236881.** Col. No. 63. Washed lowland woods along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet.**236882.** Col. No. 289. Lodgepole pine woods along the Peace River, town of Peace River. Second seed crop.**236883.** Col. No. 322. Nine miles west of Rennie, Manitoba.**236884.** OSMORHIZA CHILENSIS Hook. & Arn. Apiaceae.**Sweetroot.**

Col. No. 324. Open lodgepole pine woods, edge of trail to Bertha Lake, Waterton National Park. Elevation 4,400 feet.

236885. OXYTROPIS DEFLEXA var. SERICEA Torr. & Gray Fabaceae.

Col. No. 259. Two miles east of Smith.

236660 to 236990—Continued

- 236886 and 236887.** *OXYTROPIS SERICEA* var. *SPICATA* (Hook.) Barneby
236886. Col. No. 10. Parkland area, Stavely Grassland Substation, Lethbridge Experiment Station, 13 miles west of Stavely. Elevation 4,200 feet.
236887. Col. No. 26. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,500 feet.
- 236888.** *PENSTEMON LYALLII* A. Gray Scrophulariaceae.
 Col. No. 124. Rocky slope, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,500 feet.
- 236889.** *PENSTEMON ELLIPTICUS* Coult. & Fish.
 Col. No. 107. Crowsnest, British Columbia.
- 236890.** *PENSTEMON CONFERTUS* Dougl.
 Col. No. 85. Arid lodgepole yellow pine plains, 10.5 miles east of Creston, British Columbia.
- 236891.** *PHLEUM ALPINUM* L. Poaceae. **Alpine timothy.**
 Col. No. 154. Along Livingstone Creek, Coleman-Kananaskis Road. Elevation 6,000 feet. Plant 8 inches high.
- 236892 to 236897.** *POA ALPINA* L. Poaceae. **Bluegrass.**
236892. Col. No. 148. Eight miles north of Dutch Creek, Coleman-Kananaskis Road. Elevation 5,090 feet.
236893. Col. No. 160. Seventy miles north of Coleman, Coleman-Kananaskis Road. Elevation 6,500 feet. Plant 8 inches high; leaves 0.25 inch wide.
236894. Col. No. 196. Mount Norquay, Banff National Park. Elevation 5,600 feet.
236895. Col. No. 232. Clearwater Forest, 40 miles south of Nordegg, 1.5 miles south of Ram River.
236896. Col. No. 304. Northeastern slope, Mount Edith Cavell, Jasper National Park. Plant 14 inches high, erect, stout.
236897. Col. No. 308. Slope of Mount Edith Cavell, Jasper National Park.
- 236898 and 236899.** *POA AMPLA* Merr. **Big bluegrass.**
236898. Col. No. 140. Clearing near aspen woods, 17 miles north of Coleman, Coleman-Kananaskis Road. Plant 3 feet high.
236899. Col. No. 306. Moist ground, slope of Mount Edith Cavell, Jasper National Park.
- 236900.** *POA ANNUA* L. **Annual bluegrass.**
 Col. No. 296. Along the McLeod River, 1 mile southwest of Mercoal.
- 236901 and 236902.** *POA ARCTICA* R. Br. **Bluegrass.**
236901. Col. No. 307. Northeastern slope, Mount Edith Cavell, Jasper National Park. Non-cespitose.
236902. Col. No. 310. Northeastern slope, Mount Edith Cavell, Jasper National Park. Weakly cespitose.
- 236903 to 236905.** *POA CANBYI* (Scribn.) Piper **Bluegrass.**
236903. Col. No. 112. Grassy slope, 4 miles west of Coleman.
236904. Col. No. 152. Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet. Plant 1.5 feet high; leaves glaucous.
236905. Col. No. 207. Spray River, Banff National Park.

236660 to 236990—Continued

236906 and 236907. *POA COMPRESSA* L. **Canada bluegrass.**

236906. Col. No. 260. Two miles east of Smith.

236907. Col. No. 318. Seventeen miles north of Jasper on Route 16.

236908. *POA GLAUCA* Vahl **Greenland bluegrass.**

Col. No. 300. Along the McLeod Road, 4.5 miles south of Cadomin.

236909 to 236911. *POA INTERIOR* Rydb. **Bluegrass.**

236909. Col. No. 155. Rocky ledge, Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet.

236910. Col. No. 237. Clearwater Forest, 3.5 miles south of Ram River, 42 miles south of Nordegg.

236911. Col. No. 301. Along the McLeod Road, 4.5 miles south of Cadomin.

236912 to 236914. *POA PALUSTRIS* L. **Fowl meadowgrass.**

236912. Col. No. 258. Two miles east of Smith. Plant 15 inches high; densely cespitose.

236913. Col. No. 269. Along Sturgeon Lake, 3 miles west of Calais. Plant 1.5 feet high; cespitose; leaves narrow, erect.

236914. Col. No. 294. Two miles northeast of Coalspur.

236915 and 236916. *POA PRATENSIS* L. **Kentucky bluegrass.**

236915. Col. No. 14. Associated with *Festuca idahoensis* in yellow pine woods, 3 miles west of Elko on Route 3, British Columbia. Elevation 3,700 feet.

236916. Col. No. 58. Dry hillside, 2 miles north of La Forme Creek, Big Bend Highway, British Columbia. Plant 2.5 feet high; heavy seeder.

236917. *POA* sp.

Col. No. 153. Lodgepole pine woods, Livingstone Falls, Coleman-Kananaskis Road. Elevation 6,000 feet. Plant 2.5 feet high.

236918 to 236921. *POA PRATENSIS* L. **Kentucky bluegrass**

236918. Col. No. 195. Mount Norquay, Banff National Park. Elevation 5,600 feet. Plant 2 feet high.

236919. Col. No. 201. One mile north of Banff along the Bow River. Elevation 4,500 feet.

236920. Col. No. 297. Along the McLeod River, 4.5 miles south of Cadomin.

236921. Col. No. 311. Northern slope, Mount Edith Cavell, Jasper National Park. Plant 10 inches high; stoloniferous.

236922. *POA STENANTHA* Trin. **Bluegrass.**

Col. No. 309. Northeastern slope, Mount Edith Cavell, Jasper National Park. Plant 1.5 feet high; cespitose.

236923. *POA* sp.

Col. No. 168. Alpine meadow, Sunshine Ski Lodge, Banff National Park. Elevation 7,300 feet.

236924 and 236925. *POA PRATENSIS* L. **Kentucky bluegrass.**

236924. Col. No. 229. Clearwater Forest, 1.5 miles south of Ram River, 40 miles south of Nordegg.

236925. Col. No. 305. Slope of Mount Edith Cavell, Jasper National Park. Plant 1.5 feet high, nodding, cespitose.

236926. *PRUNUS EMARGINATA* Dougl. **Amygdalaceae.**

Col. No. 42. Along Yard Creek, Eagle Pass, British Columbia. Bush 15 feet high; fruits size of large pea, deep red.

236660 to 236990—Continued**236927. PRUNUS PENNSYLVANICA L.**

Col. No. 262. Two miles east of Smith. Bush type.

236928. PRUNUS VIRGINIANA var. MELANOCARPA (A. Nels.) Sarg.

Black chokecherry.

Col. No. 278. Arid slope along the Peace River near Dunvegan.

236929. PURSHIA TRIDENTATA (Pursh) DC. Rosaceae.

Col. No. 15. Three miles west of Elko on Route 3, British Columbia. Plant high in tannic acid.

236930. RANUNCULUS INAMOENUS Greene Ranunculaceae.

Col. No. 150. Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet.

236931. RANUNCULUS PURSHII Richards.

Col. No. 236. Forty miles south of Nordegg, 1.5 miles south of Ram River, Clearwater Forest.

236932. RANUNCULUS REPTANS L.

Col. No. 235. Forty miles south of Nordegg, 1.5 miles south of Ram River, Clearwater Forest.

236933. RANUNCULUS SCELERATUS L.

Col. No. 253. Along the Athabasca River, Athabasca.

236934. RANUNCULUS UNCINATUS var. PARVIFLORUS (Torr.) Benson

Col. No. 132. Lodgepole pine slope, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,500 feet.

236935. RANUNCULUS sp.

Col. No. 159. Sentinel Peak, Coleman-Kananaskis Road. Elevation 7,785 feet.

236936 to 236942. ROSA ACICULARIS var. SAYIANA Erlanson Rosaceae. Rose.

236936. Col. No. 166. Canmore. Open spruce woods. Bush 2 feet high.

236937. Col. No. 171. Nixon Creek, Kootenay National Park, British Columbia. Elevation 4,000 feet.

236938. Col. No. 191. Open slope, 4.5 miles west of Banff, road to Strom's Halfway Cabin, Banff National Park. Elevation 4,600 feet.

236939. Col. No. 218. Clearwater Boundary, Forest Campgrounds, 12 miles east of Nordegg. Bush 2 feet high.

236940. Col. No. 251. Along road near aspen woods, 2 miles south of Athabasca. Bush 3 feet high; leaves, fall color, deep red; hips soft, orange.

236941. Col. No. 257. Along Sturgeon Lake, 3 miles west of Calais. Single plant 4 feet high; heavy fruiter; hips elongated, 1 inch long, translucent, bright orange-red.

236942. Col. No. 272. Open aspen woods, along Sturgeon Lake, 3 miles west of Calais. Bush 3 feet high, fruiting heavily.

236943 and 236944. ROSA ARKANSANA Porter

Rose.

236943. Col. No. 283. Along the Peace River near Dunvegan. Plant 10 inches high.

236944. Col. No. 320. Twelve miles north of Saskatoon on Route 5, Saskatchewan. Plant low, nearly prostrate.

236945. ROSA BLANDA Ait.

Meadow rose.

Col. No. 323. Steep bank of Rainy River, west of Fort Francis, Ontario. Plant 4 feet high, nearly thornless.

236660 to 236990—Continued

- 236946.** *ROSA WOODSII* Lindl. **Woods rose.**
Col. No. 321. High plateau north edge of Brandon, Manitoba.
- 236947.** *RUBUS ACAULIS* Michx. Rosaceae.
Col. No. 177. Open spruce woods near McCleod Creek, Kootenay National Park, British Columbia. Trailing vine.
- 236948.** *RUBUS CHAMAEMORUS* L.
Col. No. 263. Along Lesser Slave Lake, 5 miles west of Jousard.
- 236949 to 236951.** *RUBUS IDAEUS* var. *STRIGOSUS* (Michx.) Maxim. **European raspberry.**
- 236949.** Col. No. 40. Sawdust dump near edge of town, Revelstoke, British Columbia. Elevation 1,440 feet. Fruits large, flavor good.
- 236950.** Col. No. 72. Sandy soil along bank of Kuskonook Creek, 2 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Plant with bushy habit; fruits large, juicy.
- 236951.** Col. No. 190. Sunny slope, 4.5 miles west of Banff on road to Strom's Halfway Cabin. Elevation 4,600 feet. Bush 2 feet high; fruits large.
- 236952.** *RUBUS LEUCODERMIS* Dougl.
Col. No. 41. Dry rocky slope along Yard Creek, 13 miles southwest of Nakawa, Eagle Pass, British Columbia. Elevation 1,500 feet. Plant upright, canes self-supporting; fruits large, purple.
- 236953 and 236954.** *RUBUS PARVIFLORUS* Nutt. **White flowering raspberry.**
- 236953.** Col. No. 51. Yard Creek, Eagle Pass, British Columbia, on dry sandy hillside.
- 236954.** Col. No. 70. Along Kuskonook Creek, 12 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Fruits very large, juicy, delicious.
- 236955.** *RUBUS PEDATUS* Smith
Col. No. 313. Northern slope, Mount Edith Cavell, Jasper National Park.
- 236956.** *RUBUS PUBESCENS* Raf.
Col. No. 167. Open spruce woods, Canmore.
- 236957.** *SAMBUCUS MELANOCARPA* A. Gray Caprifoliaceae. **Elder.**
Col. No. 53. Moist bank, 5 miles west of Griffin Lake near Kay Falls, Eagle Pass, British Columbia. Bush 10 feet high; fruit large, wine color.
- 236958.** *SAMBUCUS PUBENS* Michx. **Scarlet elder.**
Col. No. 52. Along moist banks, 5 miles west of Griffin Lake near Kay Falls, Eagle Pass, British Columbia. Bush 10 feet high; fruit small, bright red.
- 236959.** *SANICULA MARILANDICA* L. Apiaceae.
Col. No. 284. Arid slope along the Peace River near Dunvegan.
- 236960.** *SHEPHERDIA CANADENSIS* f. *XANTHOCARPA* Rehd. Elaeagnaceae.
Col. No. 186. Along the Bow River, 4.5 miles west of Banff. Elevation 4,600 feet. Fruits yellow.
- 236961.** *SIMUM SUAVE* Walt. Apiaceae.
Col. No. 286. Bear Lake, 5 miles northwest of Grimshaw.
- 236962 to 236967.** *STIPA COLUMBIANA* Macoun Poaceae. **Needlegrass.**
- 236962.** Col. No. 21. Douglas-fir along Toby Creek, 6 miles west of Wilmer, British Columbia. Elevation 3,100 feet. Plant 2.5 feet high; vegetative growth poor; good seeder.
- 236963.** Col. No. 87. Arid rocky soil, 6 miles southeast of Moyie, British Columbia.

226660 to 236990—Continued**236962 to 236967—Continued**

236964. Col. No. 92. Dry rocky plains associated with yellow pine, larch and spruce, 3 miles northwest of Cranbrook, British Columbia. Plant 3 feet high.

236965. Col. No. 97. Three miles west of Route 95 on St. Mary's Lake Road, British Columbia.

236966. Col. No. 100. Along Fairy Creek, 1 mile west of Fernie, British Columbia. Plant 3 feet high, drooping.

236967. Col. No. 129. Opening in lodgepole pine woods, 4 miles north of Coleman, Coleman-Kananaskis Road. Plant 3 feet high.

236968. *STIPA COMATA* var. *INTERMEDIA* Scribn. & Tweedy **Needlegrass.**

Col. No. 48. Burned over parkland meadow, road to the Dominion Experiment Plots, Pass Lake, British Columbia, 10 miles north of Kamloops. Pure stand; plants 2 feet high.

236969. *STIPA LETTERMANII* Vasey **Needlegrass.**

Col. No. 98. Open parkland, 5 miles southeast of Rapport, British Columbia. Plant 2 feet high, spreading; spikes usually sheathed by blades; awns 3 inches long, curled.

236970 to 236973. *STIPA RICHARDSONII* Link **Needlegrass.**

236970. Col. No. 22. Open Douglas-fir woods along Toby Creek, 6 miles west of Wilmer, British Columbia. Elevation 3,100 feet. Plant 2.5 feet high; outstanding vegetative growth; good bunch.

236971. Col. No. 91. Three miles northwest of Cranbrook, British Columbia. Plant 4 feet high; large.

236972. Col. No. 99. Open yellow pine parkland, 5 miles southeast of Rapport, British Columbia.

236973. Col. No. 145. Open dry field, Racehorse Creek Camp, Coleman-Kananaskis Road. Plant 3 feet high.

236974 and 236975. *STIPA VIRIDULA* Trin. **Green needlegrass.**

236974. Col. No. 216. Sandy shelf overlooking the Ghost River, 11 miles west of Cochrane.

236975. Col. No. 279. Along shelf of Peace River near Dunvegan. Plant 3 feet high, spreading; clumps large.

236976. *VACCINIUM CAESPITOSUM* Michx. *Vacciniaceae.* **Blueberry.**

Col. No. 220. Lodgepole pine woods, Clearwater Forest, boundary campgrounds, 12 miles east of Nordegg. Plant 3 feet high; prolific fruiter.

236977. *VACCINIUM MEMBRANACEUM* Dougl. **Blueberry.**

Col. No. 73. Sandy bank along the Kuskonook Creek, 2 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Plant 3.5 feet high; fruits 0.75 inch in diameter, very juicy.

236978 to 236982. *VACCINIUM MYRTILLOIDES* Michx. **Blueberry.**

236978. Col. No. 43. Opening along Yard Creek, Eagle Pass, British Columbia. Elevation 1,500 feet.

236979. Col. No. 71. Sandy bank along Kuskonook Creek, 2 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Bushes 3 feet high; fruits 0.5 inch in diameter; yield heavy.

236980. Col. No. 255. Sandy soil, 2 miles east of Smith. Plant 4 feet high.

236981. Col. No. 264. Sphagnum bog along Lesser Slave Lake, 5 miles west of Jousard. Plant 5 feet high.

236982. Col. No. 293. Thirty-six miles northwest of Whitecourt. Plant 8 feet high; fruits very large, clustered; ripening period very short; possible commercial value.

236660 to 236990—Continued

236983. *VACCINIUM SCOPARIUM* Leiberg **Blueberry.**

Col. No. 33. Spruce woods, campgrounds along the Kickinghorse River, Yoho National Park, British Columbia. Elevation 4,200 feet. Fruits red, growing close to ground.

236984. *VERATRUM ESCHSCHOLTZII* (Roem. & Schult.) A. Gray **Melanthiaceae.**

Col. No. 125. Trail to Bertha Lake, lodgepole pine slope, Waterton Lakes National Park. Elevation 4,300 feet.

236985 to 236987. *VIBURNUM TRILOBUM* Marsh. **Caprifoliaceae.**

236985. Col. No. 170. Nixon Creek, Kootenay National Park, British Columbia. Elevation 4,000 feet.

236986. Col. No. 188. Along Bow River, 4.5 miles west of Banff. Elevation 4,600 feet.

236987. Col. No. 287. Bear Lake, 5 miles west of Grimshaw.

236988 and 236989. *VICIA AMERICANA* Muhl. **Fabaceae. Vetch.**

236988. Col. No. 68. Old gravel pit, 5 miles south of Nakusp, British Columbia. Elevation 1,400 feet.

236989. Col. No. 135. Clearing in lodgepole pine woods, 4 miles north of Coleman, Coleman-Kananaskis Road.

236990. *ZIZIA APTERA* (A. Gray) Fernald **Apiaceae.**

Col. No. 151. Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet.

236991. *FERONIA LIMONIA* (L.) Swingle **Rutaceae. Wood apple.**

From India. Seeds presented by E. Pollock, Parks, New South Wales, Australia. Received Jan. 23, 1957.

Collected by the silviculturist, Poona, Bombay.

236992. *CAPSICUM FRUTESCENS* L. **Solanaceae. Redpepper.**

From Greece. Seeds presented by the Agricultural Attache, American Embassy, Athens. Received Jan. 24, 1957.

Grown in the Edessa area of northern Greece.

236993 and 236994.

From Chile. Seeds collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 24, 1957.

236993. *BERBERIS HETEROPHYLLA* JUSS. **Berberidaceae. Barberry.**

Col. No. 94. Puerto Montt market. Jan. 11, 1957. Fruits 0.25 inch in diameter.

236994. *FRAGARIA CHILOENSIS* (L.) Duchesne **Rosaceae. Chiloe strawberry.**

Col. No. 92. Hillside 5 km. from Coyhauque. Jan. 12, 1957. Elevation 456 meters. Climate dry in summer, temperature 13° F. in winter, cold year round.

236995 to 237001. *ZEA MAYS* L. **Poaceae. Corn.**

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Jan. 24, 1957.

236995 to 236998. From Nebraska.

236995. 'Nebraska A'. Open pollinated variety Minusinka, Siberia, U.S.S.R.

236995 to 237001—Continued**236995 to 236998—Continued**

236996. 'Nebraska B'. Inbred C-84. Dnepropetrovska, U.S.S.R.

236997. 'Nebraska C'. Inbred 6-907. Dnepropetrovska, U.S.S.R.

236998. 'Nebraska D'. Open pollinated, Grieshevskoya, Dnepropetrovska, U.S.S.R.

236999 to 237001. From the Agricultural Experiment Station, Columbia, Mo. Basic breeding stocks.

236999. Open pollinated; 110 days, yellow, certified 1955, Acc. 2450.

237000. Open pollinated; midland, 1955, Acc. 2293.

237001. Open pollinated; Cassell, 1955.

237002 to 237051. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae. Chileo strawberry.

From Chile. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 25, 1957. Collected Dec. 1956 and Jan. 1957.

237002. Col. No. 43. Fundo Los Mercedes, 12 km. north of Santiago.

237003 to 237008. Cordillera de Los Raices.

237003. Col. No. 46. Fruits very large. **237006.** Col. No. 50.

237007. Col. No. 52.

237004. Col. No. 47.

237008. Col. No. 59.

237005. Col. No. 48.

237009. Col. No. 60. Near hotel, Ternas de Tolhuaca.

237010 to 237014. Road by Lake Malleco.

237010. Col. No. 81.

237013. Col. No. 84.

237011. Col. No. 82.

237014. Col. No. 85.

237012. Col. No. 83.

237015. Col. No. 88. Cordillera de Los Raices.

237016. Col. No. 89. Ternas de Tolhuaca, near Lake Malleco.

237017 to 237019. Beaches west of Maullin.

237017. Col. No. 89A.

237019. Col. No. 91.

237018. Col. No. 90.

237020. Col. No. 93. Near Coyhuaque. Elevation 650 meters.

237021. Col. No. 96. Alta Road, 16 km. from Coyhuaque.

237022. Col. No. 99. Coyhuaque.

237023 to 237027. Mountain side east of Coyhuaque.

237023. Col. No. 100.

237026. Col. No. 104.

237024. Col. No. 102.

237027. Col. No. 105.

237025. Col. No. 103.

237028 to 237033. Catta Road, 16 km. from Coyhuaque.

237028. Col. No. 106.

237031. Col. No. 111.

237029. Col. No. 108.

237032. Col. No. 112.

237030. Col. No. 109.

237033. Col. No. 114.

237034. Col. No. 116. Mountain side, 650 meters above Coyhuaque.

237002 to 237051—Continued

237035 to 237049. 650 meters above Coyhuaque.

237035. Col. No. 117.	237043. Col. No. 125.
237036. Col. No. 118.	237044. Col. No. 126.
237037. Col. No. 119.	237045. Col. No. 127.
237038. Col. No. 120.	237046. Col. No. 128.
237039. Col. No. 121.	237047. Col. No. 129.
237040. Col. No. 122.	237048. Col. No. 130.
237041. Col. No. 123.	237049. Col. No. 131.
237042. Col. No. 124.	

237050. Col. No. 132. Along road from Coyhuaque to Balmacedo. Elevation 500 meters.

237051. Cordillera de los Raices.

237052 and 237053. FRAGARIA (hybrids). Rosaceae. **Strawberry.**

From Peru. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 25, 1957. Presented by the Peru Ministry of Agriculture, American Embassy, Lima.

237052. Lot A. Variety best adapted to short days; about 11° S. Latitude.

237053. Lot B.

237054 to 237077. HEVEA BRASILIENSIS (A. Juss.) Muell.-Arg. **Para rubber tree.**

From the United States. Clones growing at the United States Plant Introduction Station, Coconut Grove, Florida. Numbered Jan. 28, 1957.

Resistant to South American leaf blight caused by *Dothidella ulei* P. Henn.

237054. GU-1. 'Madre de Dios'. Selected for best yield from seeds collected in Peru.

237055 to 237075. Clones result of backcross or outcross between susceptible eastern clone and a F₁ progeny (resistant × susceptible). Originally from Guatemala.

237055. GU-16. GA-1581 × IAN-45-833.
237056. GU-62. GV-31 × IAN-45-833.
237057. GU-64. GV-31 × IAN-45-833.
237058. GU-68. GV-31 × IAN-45-912.
237059. GU-81. GV-37 × IAN-45-898.
237060. GU-83. GV-55 × IAN-45-833.
237061. GU-84. GV-55 × IAN-45-833.
237062. GU-85. GV-55 × IAN-45-833.
237063. GU-86. GV-55 × IAN-45-833.
237064. GU-90. GT-711 × IAN-45-912.
237065. GU-108. GV-17 × IAN-45-833.
237066. GU-100. GV-17 × IAN-45-833.
237067. GU-117. GV-17 × IAN-45-833.
237068. GU-118. GV-17 × IAN-45-833.
237069. GU-120. GV-17 × IAN-45-833.
237070. GU-121. GV-17 × IAN-45-898.

237054 to 237077—Continued**237055 to 237075—Continued****237071.** GU-128. GV-17 × IAN-45-912.**237072.** GU-158. GA-1581 × FX-25.**237073.** GU-164. GA-1581 × FX-25.**237074.** GU-181. GV-17 × FX-25.**237075.** GU-204. GT-711 × FX-25.**237076 and 237077.** Primary crosses between an eastern clone and a resistant jungle selection. Originally from Guatemala.**237076.** GU-144.**237077.** GU-148.**237078 to 237088.** SACCHARUM (hybrids). Poaceae. **Sugarcane.**

From China. Cuttings presented by the Taiwan Sugar Experiment Station, Tainan, Taiwan. Received Jan. 28, 1957.

237078. F38-752.**237084.** P.T. 48-7.**237079.** F40-219.**237085.** P.T. 50-2.**237080.** F40-399.**237086.** P.T. 50-533.**237081.** F-135.**237087.** P.T. 50-777.**237082.** F-136.**237088.** P.T. 51-11.**237083.** P.T. 46-150.**237089.** ONOBRYCHIS VICIAEFOLIA Scop. Fabaceae. **Sainfoin.**

From Turkey. Seeds presented by the Agricultural Specialist, United States Mission to the North Atlantic Treaty Organization, Paris, France. Received Jan. 28, 1957.

237090. AVENA SATIVA L. Poaceae.**Common oats.**

From Brazil. Seeds obtained by Field Crops Research Branch, Beltsville, Md. Received Jan. 28, 1957.

Collected by Mario Bastos Logas from Julio de Castilhos, Rio Grande do Sul.

237091 to 237095.

From Singapore. Seeds presented by the Director of the Botanic Gardens, Singapore. Received Jan. 28, 1957.

237091. CALONYCTON ACULEATUM (L.) House Convolvulaceae.**Moonflower.****237092.** IPOMOEA DIGITATA L. Convolvulaceae.**Fingerleaf morning-glory.****237093.** IPOMOEA GRACILIS R. Br.**Morning-glory.****237094.** IPOMOEA PULCHELLA Roth**Morning-glory.****237095.** QUAMOCLIT sp. Convolvulaceae.**237096 to 237106.**

From Western South America. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 28, 1957. Collected Jan. 1957.

237096. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae. **Chiloe strawberry.**

Col. No. 135. Huachi, Chile. Elevation 3,011 meters.

237097. FRAGARIA VESCA L.**European strawberry.**

Col. No. 136. Twenty-nine km. from Banos, toward Ambato, Ecuador. Elevation 2,800 meters. Wild.

237096 to 237106—Continued

237098. *RUBUS CHOACHIENSIS* Berger Rosaceae.

Col. No. 144. East of Bogota, Colombia. Elevation 2,892 meters. Wild; fruits large.

237099. *RUBUS GACHETENSIS* Berger

Col. No. 145. East of Bogota, on Chipaque Road. Elevation 3,200 meters. Wild; giant globose black berry.

237100 and 237101. *RUBUS MACROCARPUS* Benth. **Colombian blackberry.**

237100. Col. No. 140. Roadside beyond San Miguel, Bogota, Colombia. Fruits and flower buds large.

237101. Col. No. 146. Tunguragua, Ecuador.

237102. *RUBUS ROSEUS* Poir.

Col. No. 137. Tunguragua, 18 km. from Banos, road to Rio Bamba, Ecuador. Plants large, very productive; fruits large.

237103. *RUBUS* sp.

Col. No. 133. Above road, 28 km. from Banos, Ecuador. Elevation 2,800 meters. Plant wild; fruit black berry, clustered, large.

237104. *RUBUS* sp.

Col. No. 134. Twenty-eight km. from Banos toward Ambato, Ecuador. Elevation 2,800 meters. Plant wild; berry black, clustered, giant.

237105. *RUBUS* sp.

Col. No. 141. Roadside beyond San Miguel, 44 km. from hotel, Fusagasuga Road, Bogota, Colombia. Plant wild; fruits medium-sized.

237106. *RUBUS* sp.

Col. No. 142. Roadside beyond San Miguel, 44 km. from hotel on Fusagasuga Road, Bogota, Colombia. Plant wild; fruits small.

237107. *ALLIUM SATIVUM* L. Liliaceae. **Garlic.**

From the United States. Cloves growing at the Regional Plant Introduction Station, Geneva, New York. Numbered Jan. 28, 1957.

N.H. #21. 'Egyptian'. Collected by E. M. Meader in Seabrook, N.H. Plant makes top-sets useful for flavoring in addition to the usual cloves.

237108. *VACCINIUM MERIDIONALE* Sw. Vacciniaceae. **Blueberry.**

From Colombia. Seeds collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 28, 1957.

Col. No. 143. 'Agraz'. Ten km. beyond Choconta. Plant productive; berries in clusters.

237109. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

From Israel. Seeds presented by Jacob Oppenheimer, Executive of the Jewish Agency, Jerusalem. Received Jan. 28, 1957.

Originally from Spain.

237110. *ANDROPOGON* sp. Poaceae.

From the United States. Seeds presented by the Soil Conservation Nursery, Tucson, Arizona. Received Jan. 28, 1957.

A-14827. Originally from Al Khars, Saudi Arabia.

237111. *PANICUM PROLUTUM* F. Muell. Poaceae.

From the United States. Seeds presented by the Soil Conservation Nursery, Tucson, Arizona. Received Jan. 29, 1957.

A-2664. Originally from the Department of Agriculture, Sydney, Australia.

237112 to 237115.

From India. Seeds presented by the Director of Agriculture and Food Production, Orissa, Cuttack. Received Jan. 29, 1957.

237112 and 237113. *DOLICHOS BIFLORUS* L. Fabaceae. **Twinflower dolichos.**

237112. Sel. No. A. 39. Plant spreading, early type; foliage green; flower whitish-yellow; pods buff.

237113. Sel. No. 164. Plant spreading, early; foliage green; flowers whitish-yellow; pods buff.

237114 and 237115. *PHASEOLUS AUREUS* Roxb. Fabaceae. **Mung bean.**

237114. Sel. No. 150. Plant early, spreading; leaves medium size; flowers olive-yellow, auxiliary and terminal; pods with no distinct suture.

237115. Sel. No. 696. Plant spreading; stem angular; leaves medium size, green; flowers auxiliary and terminal; pods light brown; seeds green.

237116 to 237120. *PICEA ABIES* (L.) Karst. Pinaceae.

Norway spruce.

From the Netherlands. Scions presented by the Old Farm Nurseries, Boskoop. Received Jan. 29, 1957.

237116. 'Globosa Nana'.

237119. 'Merkii'.

237117. 'Hornibrooki'.

237120. 'Pumila Glauca'.

237118. 'Humilis'.

237121 and 237122.

From Chile. Seeds collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 29, 1957.

237121. *ANEMONE MULTIFIDA* Poir. Ranunculaceae.

Coyhuaque. Jan. 12, 1957. Flowers white.

237122. *RIBES* sp. Grossulariaceae.

Col. No. 95. Lower slopes above Coyhuaque. Elevation 550 meters. Jan. 12, 1957. Fruits small, fine-flavored, black; clusters long.

237123 to 237127.

From the United States. Collected by E. P. Imle, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 30, 1957.

Collected near Beltsville. Jan. 26, 1957.

237123. *DIOSCOREA* sp. Dioscoreaceae.

Lot 1. (Roots.)

237124. *DIOSCOREA* sp.

Lot 2. (Roots.)

237125. *DIOSCOREA* sp.

Lot 3. (Roots, pods and seeds.)

237126. *DIOSCOREA* sp.

Lot 4. (Seeds.)

237127. *DIOSCOREA* sp.

Lot 5. (Seeds.)

237128 to 237130.

From Argentina. Seeds presented by Guillermo Hunziger, Estancia "La Rosas." Received Jan. 30, 1957.

237128. *AXONOPUS COMPRESSUS* (Swartz) Beauv. Poaceae.

237128 to 237130—Continued**237129.** ECHINOCHLOA CRUS-PAVONIS (H. B. K.) Schult. Poaceae.**237130.** PASPALUM CONSPERSUM Schrad. ex Schult. Poaceae.**237131 to 237137.** LYCOPERSICON ESCULENTUM Mill. Solanaceae.
Tomato.

From Italy. Seeds presented by the Stazione Sperimentale per l'Industria delle Conserve Alimentari, Parma. Received Jan. 30, 1957.

236131. 'Ficarazzi'. Plant to 2.5 feet; foliage vigorous; fruits much furrowed, flattened, to 6 per cluster, dark red.**237132.** 'Genovese'. Plant up to 1.5 feet; foliage vigorous; fruits fleshy, very sweet, large, to 6 per cluster, not subject to splitting.**237133.** 'Ladino di Panocchia'. Plant 2 feet high, very vigorous; fruits to 5 in clusters, marked furrow, flattened, irregular, bright red.**237134.** 'Nostrano Grosso'.**237135.** 'Perdrigeon'.**237136.** 'Pierette'.**237137.** 'San Marzano'. Fruits elongated, about 3 inches long; irregularly cylindrical; furrow light, longitudinal; flesh firm; skin thick.**237138 and 237139.**

From Finland. Seeds presented by the Department of Plant Husbandry, Agricultural Research Center, Tikkurila. Received Jan. 30, 1957.

237138. TRIFOLIUM HYBRIDUM L. Fabaceae.**Alsike clover.****237139.** TRIFOLIUM PRATENSE L.**Red clover.****237140.** INDIGOFERA ENDECAPHYLLA Jacq. Fabaceae.**Creeping indigo.**

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received Jan. 30, 1957.

237141 to 237147.

From Costa Rica. Seeds presented by the University of Florida Agricultural Mission to Costa Rica, San Jose. Received Jan. 30, 1957.

237141 to 237144. PASPALUM NOTATUM Fluegge Poaceae.**Bahia grass.****237141.** Collected in Bahia Liberia.**237142.** Collected in Guanacaste.**237143.** Collected in park, Liberia.**237144.** Collected in Los Diamantes.**237145.** DESMODIUM CANUM (Gmel.) Schinz & Thell. Fabaceae.**Kaimi-clover.**

Los Diamantes.

237146. INDIGOFERA ENDECAPHYLLA Jacq. Fabaceae.**Creeping indigo.****237147.** LEUCAENA LEUCOCEPHALA (Lam.) DeWit Mimosaceae.**Leadtree.****237148 to 237153.** COFFEA ARABICA L. Rubiaceae. **Arabian coffee.**

From Liberia. Seeds presented by the United States Operations Mission, Monrovia. Received Jan. 31, 1957.

237148. 'Ineac'.**237151.** 'Rennie No. 5'.**237149.** 'Rennie No. 3'.**237152.** 'Rennie No. 6'.**237150.** 'Rennie No. 4'.**237153.** 'Tolbert No. 1'.

237154. ALEURITES MONTANA (Lour.) Wilson Euphorbiaceae. Mu-oil tree.

From Nyasaland. Seeds presented by the Agricultural Experimental Station, Limbe. Received Feb. 1, 1957.

237155. ALLIUM sp. Liliaceae.

From Greece. Bulbs presented by the Agricultural Attache, American Embassy, Athens. Received Feb. 4, 1957.

237156 to 237166.

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Christchurch. Received Feb. 4, 1957.

- 237156.** DANTHONIA RAOULII var. FLAVESCENS (Hook. f.) Hack. Poaceae. Oatgrass.
- 237157.** DANTHONIA RACEMOSA R. Br. Oatgrass.
- 237158.** FESTUCA RUBRA L. Poaceae. Red fescue.
- 237159.** DICHELACHNE SCIUREA (R. Br.) Hook. f. Poaceae.
- 237160.** DANTHONIA UNAREDE Raoul Poaceae. Oatgrass.
- 237161.** FESTUCA NOVAE-ZELANDIAE (Hack.) Cockayne Poaceae. Fescue.
- 237162.** POA ACICULARIFOLIA Buch. Poaceae. Bluegrass.
- 237163.** POA LINDSAYI Hook. f. Bluegrass.
- 237164.** POA MANIOTOTO Petrie Bluegrass.
- 237165.** POA sp.
- 237166.** PUCCINELLIA STRICTA (Hook. f.) Blom Poaceae.

237167. PICEA ORIENTALIS (L.) Link Pinaceae. Oriental spruce.

From Great Britain. Scions presented by John Waterer, Sons & Crisp, Ltd., Nursery, Bagshot, Surrey, England. Received Feb. 4, 1957.
'Compacta'.

237168 and 237169.

From the Philippines. Seeds presented by the Forest Products Laboratory, Laguna. Received Feb. 4, 1957.

- 237168.** FICUS AMPELOS Burm. f. Moraceae. Fig.
- 237169.** FICUS HAULI Blanco Fig.

237170 to 237172. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

From Denmark. Seeds presented by Trifolium Fr., Copenhagen. Received Feb. 5, 1957.

- 237170.** 05033. **237172.** 05284.
- 237171.** 05142.

237173 to 237201.

From the Netherlands. Seeds presented by the Foundation for Agricultural Plant Breeding, Agricultural University, Wageningen.

- 237173.** ARRHENATHERUM ELATIUS (L.) Presl Poaceae. Tall oatgrass.
'Mommersteeg's Frans Raaigas'.
- 237174 to 237177.** DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.
- 237174.** 'Kropaar CB'. **237176.** 'Kropaar Heidemy'.
- 237175.** 'Kropaar Sel. Barenza'. **237177.** 'Mommersteeg's Kropaar'.

237173 to 237201—Continued

- 237178.** *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
From selected clones.
- 237179.** *FESTUCA OVINA* L. Sheep fescue.
'Mommersteeg's Fijnbladig Schapengras'.
- 237180 and 237181.** *FESTUCA RUBRA* L. Red fescue.
237180. 'Mommersteeg's Uitlopervormend Roodzwenkgras'.
237181. 'Brabantia'.
- 237182.** *FESTUCA RUBRA* var. *COMMUTATA* Gaud. Chewing's fescue.
'Gewoon Roodzwenkgras Brabantia'.
- 237183 to 237187.** *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.
237183. 'Barenza'. English; wide-leaf type.
237184. 'Barenza'. English; early hay type.
237185. English hay type.
237186. English; September wide-leaf type.
237187. 'Mommersteeg's English'. Late hay type.
- 237188.** *LOTUS PEDUNCULATUS* Cav. Fabaceae. Big trefoil.
- 237189.** *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.
- 237190 and 237191.** *PHLEUM PRATENSE* L. Poaceae. Timothy.
237190. 'Barenza'. Hay type.
237191. September wide-leaf type.
- 237192.** *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
'Brabantia'. Grazing type.
- 237193 to 237198.** *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.
237193. 'Groninger'. **237196.** 'CB'.
237194. 'Gendringse'. **237197.** 'Rode Maas'.
237195. 'Kuhn'. **237198.** 'Roosendaalse'.
- 237199 to 237201.** *TRIFOLIUM REPENS* L. White clover.
237199. 'Witte Cultuur Klaver CB'.
237200. 'Witte Weideklaver CB'.
237201. 'Weledelzeergeleerde Heer'. (Wild white.)
- 237202.** *RAUVOLFIA VOMITORIA* Afzel. Apocynaceae. Devilpepper.
From Belgian Congo. Seeds presented by Dr. H. Hurlimann, Kisantu. Received Feb. 6, 1957.
- 237203 to 237211.** *SOLANUM TUBEROSUM* L. Solanaceae. Potato.
From Ecuador. Tubers presented by Estacion Experimental Tropical, Pichilingue. Received Feb. 7, 1957.
Grown in vicinity of Latacunga, Province of Cotopaxi. Elevation 3,800 meters.
- 237203.** 'Calvache No. 7'. Hacienda Chisulchi. Tubers large, elongated, rose color.
- 237204.** 'Chaucha Blanca No. 9'. Hacienda Chisulchi. Tubers large, elongated, pale yellow.
- 237205.** 'Chola Negra No. 6'. Hacienda San Jose. Tubers medium size, long, terete, purple.

237203 to 237211—Continued

- 237206.** 'Dominga No. 3'. Hacienda Isinche de Infantes, Pujili. Tubers red.
- 237207.** 'Iacangilla No. 8'. Hacienda San Jose. Tubers large, round, rose color with white spots.
- 237208.** 'India No. 5'. Hacienda Puseichise. Tubers large, rose color.
- 237209.** 'Jardinera No. 2'. Hacienda Patoa, Pujili. Tubers large, reddish-purple.
- 237210.** 'Ubilla Negra No. 1'. Hacienda San Antonio. Tubers round, medium size, black.
- 237211.** 'Ursulo No. 4'. Hacienda Chisulchi. Tubers large, rose color with yellow spots.
- 237212.** *Gossypium* (hybrid). Malvaceae. **Cotton.**
From Great Britain. Seeds presented by the Empire Cotton Growing Cooperation, London, England. Received Feb. 6, 1957.
'Wilds Early'. Grown in Aden.
- 237213.** *Medicago sativa* L. Fabaceae. **Alfalfa.**
From France. Seeds presented by Tourneur Freres, Coulommiers (Seine-et-Marne). Received Feb. 6, 1957.
'501 Tourneur'. ('Cardinal').
- 237214.** *Ipomoea purpurea* (L.) Roth Convolvulaceae. **Common morning-glory.**
From Belgium. Seeds presented by the Botanical Garden, Antwerp. Received Feb. 6, 1957.
- 237215.** *Medicago sativa* L. Fabaceae. **Alfalfa.**
From Uruguay. Seeds presented by the Food and Agricultural Organization, Montevideo. Received Feb. 7, 1957.
Originally from France, heavy producer.
- 237216.** *Saccharum* (hybrid). Poaceae. **Sugarcane.**
From Nepal. Cuttings obtained by Dr. Ray A. Pendleton, Rabibhawan, Kathmandu. Received Feb. 7, 1957.
- 237217.** *Gossypium* (hybrid). Malvaceae. **Cotton.**
From Sudan. Seeds presented by the Ministry of Agriculture, Cotton Breeding Section, Shambat, Khartoum, North. Received Feb. 7, 1957.
16.9.343.
- 237218.** *Sanguisorba officinalis* L. Rosaceae.
From Great Britain. Seeds presented by the Dunn Farm Seeds Ltd., Salisbury, England. Received Feb. 7, 1957.
Originally from France.
- 237219 to 237256.**
From Germany. Plants presented by Herm. A. Hesse, Baumschulen, Weener Ems, Ostfriesland. Received Feb. 8, 1957.
- 237219.** *Abies balsamea* (L.) Miller Pinaceae. **Balsam fir.**
'Nana'.
- 237220.** *Abies nordmanniana* (Stev.) Spach **Nordmann fir.**
'Pendula'.

237219 to 237256—Continued

237221. *ACER PLATANOIDES* L. Aceraceae. Norway maple.
'Laciniatum'.
237222. *AESCULUS HIPPOCASTANUM* L. Aesculaceae. Common horse-chestnut.
'Memmingeri'.
237223. *AESCULUS NEGLECTA* var. *TOMENTOSA* Sargent Buckeye.
- 237224 and 237225. *AESCULUS* × *HYBRIDA* DC. Buckeye.
237226. *BERBERIS THUNBERGII* DC. Berberidaceae. Japanese barberry.
'Atropurpurea Superba'.
237227. *CEDRUS LIBANI* A. Rich. Pinaceae. Cedar of Lebanon.
'Pendula'.
237228. *CEDRUS LIBANI* f. *STENOCOMA* Davis Turkish cedar.
237229. *FRAXINUS EXCELSIOR* L. Oleaceae. European ash.
'Concolor Variegata'.
237230. *LABURNUM ALPINUM* (Mill.) Bercht. & Presl Fabaceae. Scotch laburnum.
'Pendulum'.
237231. *LARIX LEPTOLEPIS* (Sieb. & Zucc.) Gord. Pinaceae. Japanese larch.
'Pendula'.
237232. *PICEA OBOVATA* var. *ALPESTRIS* (Bruegg.) Henry Pinaceae. Spruce.
- 237233 to 237238. *PICEA ABIES* (L.) Karst. Norway spruce.
237233. 'Argenteo-spica'.
237234. 'Virgata'.
237235. 'Echiniformis'.
237236. 'Veitchii'.
237237. 'Mariae-orffiae'.
237238. 'Merkii'.
- 237239 and 237240. *PICEA MARIANA* (Mill.) B. S. P. Black spruce.
237239. 'Beissneri'.
237240. 'Beissneri'.
- 237241 and 237242. *PICEA ORIENTALIS* (L.) Link Oriental spruce.
237241. 'Gracilis'.
237242. 'Nutans'.
- 237243 to 237246. *PICEA PUNGENS* Engelm. Colorado spruce.
237243. 'Glauca Endtzii'. 237245. 'Glauca Procumbens'.
237244. 'Glauca Nana'. 237246. 'Glauca Visseriana'.
237247. *PINUS PUMILA* (Pallas) Regel Pinaceae. Japanese stone pine.
237248. *PINUS CEMBROIDES* Zucc. Pine.
237249. *PINUS DENSIFLORA* Sieb. & Zucc. Japanese red pine.
'Pumila'.
237250. *PINUS HELDREICHII* var. *LEUCODERMIS* (Ant.) Markgraf Pine.
'Aureo Spicata'.

237219 to 237256—Continued

237251. *PINUS MUGO* Turra Swiss mountain pine.
 'Hesse'.
237252. *PINUS* × *SCHWERINII* Fitschen Pine.
- 237253 and 237254. *PINUS SYLVESTRIS* L. Scotch pine.
237253. 'Argentea Compacta'.
237254. 'Globosa Viridis'.
- 237255 and 237256. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Pinaceae.
Douglas-fir.
237255. 'Pyramidalis Brevifolia'.
237256. 'Glauca Pyramidalis'.

237257 and 237258. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From Turkey. Seeds held at the Regional Plant Introduction Station, Experiment, Ga. Numbered Feb. 11, 1957.

Originally collected in Turkey.

237257. 'Hut Ajir'.
237258. 'Tuylu Ajir'. (Hairy.)

237259 to 237261. ORYZA SATIVA L. Poaceae. Rice.

From Argentina. Seeds obtained through the American Embassy, Buenos Aires. Received Feb. 11, 1957.

237259. 'Blue Rose'.
237260. 'Chacareo'.
237261. 'Japanese'.

237262 to 237292.

From Denmark. Seeds presented by the Royal Agricultural Society, Copenhagen. Received Feb. 11, 1957.

- 237262 to 237270. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
237262. No. 550370. 'Roskilde II'.
237263. No. 550371. 'Pajbjerg II'.
237264. No. 550372. 'Hinderupgaard II'.
237265. No. 550373. 'Daeno II'.
237266. No. 550374. 'Trifolium II'.
237267. No. 550375. 'E.F. II'.
237268. No. 550376. 'Late Roskild II'.
237269. No. 550377. 'Pajbjerg Milka II'.
237270. No. 550378. 'Adefa II'.

237271 to 237276. FESTUCA ELATIOR L. Poaceae. Meadow fescue.

237271. No. 550364. 'Early Oetofte II'.
237272. No. 550365. 'Late Oetofte II'.
237273. No. 550366. 'Pajbjerg II'.
237274. No. 550367. 'Daeno II'.
237275. No. 550368. 'Hinderupgaard II'.
237276. No. 550369. 'Trifolium II'.

237262 to 237292—Continued

- 237277.** *FESTUCA RUBRA* L. Red fescue.
No. 550381. 'Roskilde'.
- 237278.** *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.
- 237279.** *MEDICAGO LUPULINA* L. Fabaceae. Black medic.
No. 550362. 'Roskilde'.
- 237280 and 237281.** *PHLEUM PRATENSE* L. Poaceae. Timothy.
- 237280.** No. 550379. 'Oetofte A II'.
- 237281.** No. 550380. 'Pajberge II'.
- 237282.** *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
No. 550382. 'Oetofte I'.
- 237283 to 237290.** *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.
- 237283.** No. 550352. 'Hinderupgaard III'.
- 237284.** No. 550353. 'Trifolium III'.
- 237285.** No. 550354. 'Resistent Oetofte III'.
- 237286.** No. 550355. 'Lofa'.
- 237287.** No. 550356. 'Daeno III'.
- 237288.** No. 550357. 'Trifolium III'.
- 237289.** No. 550358. 'Resistent Oetofte III'.
- 237290.** No. 550359. 'Oetofte III'.
- 237291 and 237292.** *TRIFOLIUM REPENS* L. White clover.
- 237291.** No. 550360. 'Lodi Oetofte I, K and V'.
- 237292.** No. 550361. 'Morse Oetofte I and K'.

237293 to 237300

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida.
Received Feb. 11, 1957.

- 237293 to 237295.** Originally from Adelaide, South Australia.
- 237293.** *CALLISTEMON TERETIFOLIUS* F. Muell. Myrtaceae. Bottlebrush.
- 237294.** *KUNZEA POMIFERA* F. Muell. Myrtaceae.
- 237295.** *SCHOTIA SPECIOSA* Jacq. Caesalpiniaceae.
- 237296.** *DIPLANTHERA TETRAPHYLLA* R. Br. Bignoniaceae.
Originally from the Department of Forests, Lae, New Guinea.
- 237297 to 237299.** Originally from Northern Rhodesia.
- 237297.** *ENTANDROPHRAGMA DELAVAYI* De Wild. Meliaceae.
- 237298.** *ERYTHROPHLOEUM AFRICANUM* (Welw.) Harms Caesalpiniaceae.
- 237299.** *PAHUDIA AFRICANA* (Smith) Prain Caesalpiniaceae.
- 237300.** *PTEROCARPUS ANGOLENSIS* DC. Fabaceae.
Originally from Southern Rhodesia.

237301 and 237302.

From India. Seeds presented by the Forest Botanist, Forest Research Institute,
Dehra Dun. Received Feb. 11, 1957.

- 237301.** *IPOMOEA CARNEA* Hook. Convolvulaceae. Morning-glory.
- 237302.** *IPOMOEA RUBRO-CAERULEA* Jacq. Morning-glory.

- 237303.** *DIOSCOREA QUATERNATA* J. F. Gmel. Dioscoreaceae. **Yam.**
From the United States. Seeds collected by J. L. Creech, agricultural explorer,
Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Feb. 12, 1957.
Vicinity of Rock Creek Park, Washington, D.C.
- 237304 to 237306.** *ESCALONIA* (hybrids). Escalloniaceae.
From Ireland. Plants presented by the Slieve Donard Nursery Company, Ltd.,
Newcastle, County Down. Received Feb. 12, 1957.
- 237304.** 'Donard Radiance'.
237305. 'Peach Blossom'.
237306. 'Pride of Donard'.
- 237307 to 237334.**
From Great Britain. Scions presented by Hillier & Sons, Winchester, England.
Received Feb. 12, 1957.
- 237307 to 237310.** *ABIES CONCOLOR* (Gord.) Hoopes Pinaceae. **Fir.**
237307. 'Candicans'. **237309.** 'Violacea'.
237308. 'Compacta'. **237310.** 'Wattezii'.
- 237311 and 237312.** *CEDRUS ATLANTICA* Manetti Pinaceae. **Atlas cedar.**
237311. 'Aurea'.
237312. 'Fastigata'.
- 237313.** *CEDRUS BREVIFOLIA* (Hook. f.) Henry **Cyprian cedar.**
237314. *CEDRUS DEODARA* (Lamb.) Loud. **Deodar cedar.**
'Robusta'.
- 237315 and 237316.** *CEDRUS LIBANI* A. Rich. **Cedar of Lebanon.**
237315. 'Aurea'.
237316. 'Comte de Dijon'.
- 237317.** *LARIX DECIDUA* Mill. Pinaceae. **European larch.**
'Fastigata'.
- 237318.** *LARIX GMELINII* var. *JAPONICA* (Maxim.) Pilger **Larch.**
237319. *LARIX GRIFFITHIANA* (Hook.) Carr. **Larch.**
'Griffithii'.
- 237320 to 237322.** *PICEA ABIES* (L.) Karst. Pinaceae. **Norway spruce.**
237320. 'Argentea'.
237321. 'Filicoides'.
237322. 'Pseudo-prostrata'.
- 237323.** *PICEA BICOLOR* (Maxim.) Mayr. **Spruce.**
'Acicularis Reflexa'.
- 237324.** *PICEA BRACHYTYLA* (Franch.) Pritzel **Spruce.**
237325. *PICEA OMORIKA* (Pancic) Masters **Serbian spruce.**
'Pendula'.
- 237326.** *PICEA ORIENTALIS* (L.) Link **Oriental spruce.**
'Nana'.
- 237327.** *PINUS CEMBRA* L. Pinaceae. **Swiss stone pine.**
'Chlorocarpa'.

237307 to 237334—Continued

237328. *PINUS PUMILA* (Pallas) Regel **Japanese stone pine.**
 237329 to 237331. *PINUS SYLVESTRIS* L. **Scotch pine.**
 237329. 'Aurea'.
 237330. 'Beauvronensis'.
 237331. 'Viridis'.
 237332 to 237334. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Pinaceae. **Douglas-fir.**
 237332. 'Fletcheri'.
 237333. 'Fretsii'.
 237334. 'Glauca Moerheimii'.

237335 and 237336.

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida.
 Received Feb. 13, 1957.

237335. *LUCULIA* sp. Rubiaceae.
 Country of origin unknown.
 237336. *TRIPLOCHITON ZAMBESIACUS* Milne-Redhead Sterculiaceae.
 Originally from Bulawayo, Southern Rhodesia.

237337 and 237338. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Israel. Seeds presented by the Agricultural Research Station, Rehobot.
 Received Feb. 18, 1957.

237337. 'Spanish Improved R-22'.
 237338. 'Spanish Improved R-33'.

237339. RAUVOLFIA VOMITORIA Afzel. Apocynaceae. Devilpepper.

From the Belgian Congo. Seeds presented by H. Hurlimann, Kisantu. Received
 Feb. 13, 1957.

237340 to 237342.

From French West Africa. Seeds presented by the Centre de Recherches Agronomiques, Bingerville, Ivory Coast. Received Feb. 13, 1957.

237340. *COFFEA ABEOKUTAE* Cramer Rubiaceae. **Coffee.**
 'Indeniensis'.
 237341. *COFFEA CANEPHORA* Pierre ex Froehn. **Robusta coffee.**
 237342. *COFFEA LIBERICA* Bull ex Hiern **Liberian coffee.**

237343 to 237346.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered Feb. 13, 1957.

237343. *CARTHAMUS* sp. Asteraceae.
 Cal. 54-53. Originally from Australia.
 237344. *CARTHAMUS* sp.
 Cal. 54-54. Originally from Australia.
 237345. *CARTHAMUS* sp.
 Cal. 54-60. Originally from Spain. Flowers white.

237343 to 237346—Continued

237346. *CARTHAMUS PALAESTINUS* Eig.

Cal. 54-51. Originally from Israel. Flowers white.

237347. *CORDIA ALLIODORA* (Ruiz & Pav.) Cham. ex DC. Bora-
ginaceae.

From Costa Rica. Seeds presented by the Inter-American Institute of Agricultural Sciences, Turrialba. Received Feb. 13, 1957.

237348. *FRAGARIA* sp. Rosaceae.

From Peru. Seed presented by the Escuela de Agricultura, La Molina. Received Feb. 18, 1957.

'Peruvian'.

237349. *HORDEUM* sp. Poaceae.

From Costa Rica. Seeds presented by Dr. Juan Bautisto, Cartago. Received Feb. 18, 1957.

'Montcalm'.

237350. *ORYZA SATIVA* L. Poaceae.

Rice.

From Singapore. Seeds received from an unknown donor. Received Feb. 18, 1957.

'Pulot Itam'. (Black rice.)

237351 to 237353.

From the Netherlands. Plants presented by the Royal Moerheim Nurseries, Dedemsvaart. Received Feb. 18, 1957.

237351. *BERBERIS* × *HYBRIDO-GAGNEPAINII* Sur. Berberidaceae.

'Tottenham'.

237352. *MAHONIA AQUIFOLIUM* (Pursh) Nutt. Berberidaceae. **Oregon grape.**

'Vicaryi'.

237353. *MALUS* (hybrid). Malaceae.

Apple.

'Pretty Marjory'.

237354 to 237357.

From Denmark. Seeds presented by the Director, Botanic Garden, Copenhagen. Received Feb. 18, 1957.

237354. *LACTUCA CANADENSIS* var. *LONGIFOLIA* (Michx.) Farwell Cichoriaceae.
Lettuce.

237355. *LACTUCA LIVIDA* Boiss. & Reut. **Lettuce.**

237356. *LACTUCA MURALIS* (L.) Fresen. **Lettuce.**

237357. *LACTUCA SERRIOLA* L. **Lettuce.**

237358. *PRUNUS SERRULATA* Lindl. Amygdalaceae.

Oriental flowering cherry.

From Maryland. Tree growing at the United States Plant Introduction Station, Glenn Dale. Numbered Feb. 18, 1957.

'Washino-o'. Originally from Collingwood Ingram, Beneden, Kent, England, in 1930.

237359 to 237409. SACCHARUM (hybrids). Poaceae. Sugarcane.

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received Feb. 18, 1957.

237359.	'Black Cane'.	237385.	Co. 410.
237360.	'Hotte Kabbu'.	237386.	Co. 432.
237361.	'Java Habbal'.	237387.	Co. 658.
237362.	'Kajla'.	237388.	Co. 678.
237363.	'Kaludai Boothan'.	237389.	Co. 800.
237364.	'Keli'.	237390.	Co. 845.
237365.	'Khajuria'.	237391.	Co. 853.
237366.	'Lal Khadi'.	237392.	Co. K. 30.
237367.	'Langi'.	237393.	Co. S. 245.
237368.	'Local Pattapatti'.	237394.	Co. S. 321.
237369.	'Local Red'.	237395.	Co. S. 443.
237370.	'Namam'.	237396.	Co. S. 510.
237371.	'Pattacherukku 86'.	237397.	B.O. 10.
237372.	'Pattacherukku 209'.	237398.	B.O. 11.
237373.	'Pattapatti'.	237399.	SES 84A.
237374.	'Poovan'.	237400.	SES 304.
237375.	'Poovan 155'.	237401.	SES 315.
237376.	'Pyinmana Ribbon'.	237402.	SES 316.
237377.	'Rasadali'.	237403.	SES 317.
237378.	'Red Cane'.	237404.	SES 320.
237379.	'Reha'.	237405.	SES 327.
237380.	'Striped Bansa'.	237406.	SES 521.
237381.	'Tali'.	237407.	'Ss Coimbatora'.
237382.	'Thick Red'.	237408.	'S.s. Gehrabon'.
237383.	'Waxy Red'.	237409.	Co. 650.
237384.	Co. 371.		

237410 to 237414.

From various sources as indicated. Seeds held at the Regional Plant Introduction Station, Experiment, Ga. Received Feb. 19, 1957.

237410. *SESAMUM ANGOLENSE* Welw. Pedaliaceae.

From the Pyrethrum Board, Nakuru, Kenya.

237411 to 237414. *SESAMUM INDICUM* L.

Sesame.

237411 to 237413. From the Tozi Research Farm, Wad Elnail, Blue Nile Province, Egypt.

237411. Cross No. 1.

237412. Cross No. 8.

237413. 'Early Resistant White'.

237414. From Kadoorie Agricultural School, Pulkarm, Jordan.

237415 to 237417.

From China. Seeds presented by the National Taiwan University, Taipeh, Taiwan. Received Feb. 19, 1957.

237415. *FIGUS PUMILA* L. Moraceae.

Climbing fig.

237415 to 237417—Continued

237416. *FIGUS RETUSA* L. **Fig.**

237417. *FIGUS SEPTICA* Forst. f. **Fig.**

237418. *NICOTIANA ACAULIS* Speg. Solanaceae. **Tobacco.**

From Argentina. Roots presented by the Agricultural Attache, American Embassy, Buenos Aires. Received Feb. 18, 1957.

Collected near Esquel, western Chubut. Plant common in sandy soil.

237419. *BAUHINIA RETICULATA* DC. Caesalpiniaceae.

From Northern Rhodesia. Seeds held at the United States Plant Introduction Station, Coconut Grove, Fla. Numbered Feb. 20, 1957.

Obtained through E. A. Menninger, Stuart, Fla.

237420 to 237422. *JUGLANS REGIA* L. Juglandaceae. **Persian walnut.**

From France. Cuttings presented by G. L. Herman, Domaine de Castang, Bergerac (Dordogne). Received Feb. 20, 1957.

237420. 'Corne'.

237421. 'Grandjean'.

237422. 'Marbeau'.

237423. *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received Feb. 20, 1957.

'Progeny 502-50'.

237424. *RAUVOLFIA VOMITORIA* Afzel. Apocynaceae. **Devilpepper.**

From the Belgian Congo. Seeds presented by Dr. H. Hurlimann, Kisantu. Received Feb. 20, 1957.

237425 to 237430.

From Mexico. Seeds presented by the Agricultural Attache, American Embassy, Mexico City. Received Feb. 20, 1957.

Collected in Iguuala, Guerrero.

237425. *GOSSYPIUM SOMALENSE* (Gurke) J. B. Hutch. Malvaceae. **Cotton.**

237426 to 237428. *GOSSYPIUM STURTII* F. Muell. **Cotton.**

237426. No. 31. Sept. and Dec., 1956.

237427. No. 31. Jan., 1957.

237428. No. 31B. Dec., 1956.

237429 and 237430. *GOSSYPIUM TRIPHYLLUM* (Harv. & Sond.) Hochr. **Cotton.**

237429. No. 48. Sept., 1956.

237430. No. 48. Jan., 1957.

237431. *PYRUS COMMUNIS* L. Malaceae. **Common pear.**

From France. Seed presented by Vilmorin-Andrieux, Paris. Received Feb. 25, 1957.

237432 to 237506.

From Burma. Seeds collected by Capt. F. Kingdon-Ward, British Plant Explorer. Received Feb. 21, 1957.

237432. *ACER* sp. Aceraceae.

Elevation 7,000 to 8,000 feet.

237432 to 237506—Continued

237433. ACONITUM sp. Ranunculaceae.

Col. No. 22752. Elevation 9,500 feet. Flowers violet.

237434. ACONITUM sp.

Col. No. 22759. In forest; flowers blue-violet.

237435. ALLIUM sp. Liliaceae.

Col. No. 21977. Open slopes of pine woods. Elevation 7,000 to 9,000 feet. Flowers purplish; heads large.

237436. ALLIUM sp.

Col. No. 22754. On rocks in pine woods. Elevation 8,000 to 10,000 feet. Flower heads purplish.

237437. ARISTOLOCHIA sp. Aristolochiaceae.

Col. No. 21774. Elevation 4,500 feet. Flowers small.

237438. ASTILBE sp. Saxfragaceae.

Col. No. 22840. Forest; plant 6 feet high. Elevation 7,000 to 8,000 feet.

237439. ASTRAGALUS sp. Fabaceae.

Col. No. 21929. Alpine turf slopes. Elevation 9,500 feet.

237440. BEGONIA sp. Begoniaceae.

Col. No. 21894. On shady rocks in forest. Elevation 7,000 feet. Flowers pink; leaves variegated.

237441. BEGONIA sp.

Col. No. 22282. On cliffs. Elevation 7,000 to 8,000 feet.

237442. BOENNINGHAUSENIA sp. Rutaceae.

Col. No. 22661. In forest. Elevation 9,000 feet. Flowers white.

237443. CHIRITA sp. Gesneriaceae.

Col. No. 22660.

237444. CINNAMOMUM sp. Lauraceae.

Col. No. 21993. Elevation 6,000 feet. Tree small, evergreen; fruits red.

237445. COLQUHOUNIA sp. Menthaceae.

Col. No. 22370.

237446. CORYDALIS sp. Papaveraceae.

Col. No. 22798. Soil rocky; flowers dwarf, yellow. Elevation 10,000 feet.

237447. COTONEASTER sp. Malaceae.

Col. No. 21928. Elevation 10,000 feet. Undershrub; berries scarlet.

237448. CRAWFURDIA sp. Gentianaceae.

Col. No. 22753. Twiner in half shade; flowers gentian-blue. Elevation 9,000 feet.

237449. DELPHINIUM sp. Ranunculaceae.

Col. No. 22125. In meadow. Flowers in compact clusters; color deep blue.

237450. DESMODIUM sp. Fabaceae.

Col. No. 22545. Plant small; flowers variable pink to purple, some crimson.

237451. EPILOBIUM sp. Onagraceae.

Col. No. 21833. Small perennial with deep tap root; flowers rose-pink.

237452. GENTIANA sp. Gentianaceae.

Col. No. 21922. Soil stony and coarse; flowers large; color turquoise blue.

237432 to 237506—Continued

237453. GERANIUM sp. Geraniaceae.

Col. No. 22700. Meadow. Elevation 9,500 feet.

237454. GERANIUM sp.

Col. No. 22781. Elevation 8,000 feet.

237455. GERANIUM sp.

Col. No. 22796. Meadow. Elevation 9,000 to 10,000 feet.

237456. HELENIA sp. Gentianaceae.

Col. No. 22648. Flowers white and bluish-violet.

237457. HEDYCHIUM sp. Zingiberaceae.

No. 1. Elevation 7,000 feet. Plant small; flowers copper-colored.

237458. HEDYCHIUM SPICATUM Buch.-Ham.

No. 2. Meadow. Elevation 7,000 feet. Flowers white, fragrant.

237459. HYPERICUM PATULUM Thunb. Hypericaceae. **Japanese hypericum.**

Col. No. 22262. Elevation 10,000 feet. Flowers very large.

237460. HYPERICUM sp.

Col. No. 22780. Elevation 9,000 to 10,000 feet. Rocky soil; flowers large, bright yellow.

237461. IRIS sp. Iridaceae.

Col. No. 21926. Sunny turf slopes. Elevation 9,000 feet.

237462. IRIS ENSATA Thunb.

Russian iris.

Col. No. 22258. Alpine dwarf.

237463. IRIS sp.

Col. No. 22273. Pastures. Elevation 7,000 to 9,000 feet.

237464. LEPTOCODON GRACILIS Hook. f. & Thom. Campanulaceae.

Col. No. 22750. Twiner in forest; flowers in October, violet; unpleasant foliage odor.

237465. MAESA sp. Myrsinaceae.

Deciduous shrub; flowers small, in masses, August, cream-colored; berries red, turning black.

237466. MICHELLIA sp. Magnoliaceae.

Col. No. 22853. Deciduous tree.

237467. MICHELLIA sp.

Col. No. 22854. Elevation 7,000 feet.

237468. MYOSOTIS sp. Boraginaceae.

Col. No. 22761. Flowers white.

237469. NYSSA sp. Cornaceae.

Col. No. 22275. Small deciduous forest tree; fruits blue.

237470. OPHIOPOGON sp. Liliaceae.

Col. No. 22362. Margin of forest. Elevation 10,000 feet.

237471. OPHIOPOGON sp.

Plant epiphyte; flowers white; fruits red.

237472. PHILADELPHUS sp. Hydrangeaceae.

Col. No. 22544. Shrub, half climbing, in forest. Elevation 7,000 to 8,000 feet.

237432 to 237506—Continued

237473. PHYLLANTHUS sp. Euphorbiaceae.

Col. No. 22344. Elevation 3,000 to 4,000 feet. Shrub; berries snow-white.

237474. PIPTANTHUS sp. Fabaceae.

Col. No. 21934. Flowers large, yellow.

237475. POLYGONUM PALEACEUM Wall. Polygonaceae. **Knotweed.**

Col. No. 22800. Meadows and pastures. Elevation 7,000 to 9,000 feet.

237476. POLYGONUM sp.

Col. No. 22786. Elevation 10,000 feet. Plant creeping; stems red; leaves shiny; flowers pink.

237477. PORANA sp. Convolvulaceae.

Elevation 5,000 feet. Plant climber or rambler; winter flowering; flowers white.

237478. POTENTILLA sp. Rosaceae.

Col. No. 21984. Elevation 10,000 feet. Turf slopes.

237479. PRIMULA DENTICULATA J. E. Smith Primulaceae.

Himalayan primrose.

Col. No. 21939. Open moist meadow slopes, Mount Victoria farm. Elevation 2,500 to 9,000 feet.

237480. PRIMULA sp.

Col. No. 21913. Rocks and banks rich woodland soil. Elevation 8,500 feet.

237481. PRIMULA MOLLIS Nutt.

Primrose.

Col. No. 21943. Deep shade, moist places. Elevation 9,000 to 10,000 feet.

237482. PRUNUS CERASOIDES D. Don Amygdalaceae. **Sikkim cherry.**

Col. No. 22101. Small forest tree; blooms in winter while leafless.

237483. PYRUS sp. Malaceae.

Col. No. 21966. Evergreen tree. Elevation 9,000 to 10,000 feet.

237484. RHODODENDRON ARBOREUM J. E. Sm. Ericaceae.

Tree rhododendron.

Col. No. 21976. Mount Victoria farm. Elevation 10,000 feet. Tree stout; flowers blood red, no markings.

237485. RHODODENDRON CUFFEANUM Craib

Col. No. 21909. Elevation 7,500 feet. Epiphyte in evergreen forest.

237486. RHODODENDRON sp.

Col. No. 21921. Elevation 9,000 to 10,000 feet. Shrub or small tree; flowers yellow.

237487. RHODODENDRON sp.

Col. No. 22200. Elevation 7,000 feet. Shrub, large, long-lived; flowers flushed pink.

237488. ROSA sp. Rosaceae.

Col. No. 22128. Elevation 8,500 feet. Giant climber; flowers white.

237489. ROSCOEA sp. Zingiberaceae.

Col. No. 22124. Elevation 9,500 feet. Turf slopes; flowers in June; color appears purple in full sun.

237432 to 237506—Continued

237490. *SARCOCOCCA SALIGNA* (D. Don) Muell.-Arg. Buxaceae.

Undershrub; flowers in October.

237491. *SAXIFRAGA* sp. Saxifragaceae.

Col. No. 22126-22755. Elevation 9,500 feet. Alpine plant on turf slopes and rock outcrops; flowers yellow.

237492. *SAXIFRAGA* sp.

Col. No. 22879. Elevation 7,500 feet. Plant in meadows, to 9 inches high; flowers yellow, unspotted.

237493. *SCHIMA* sp. Theaceae.

Col. No. 22219. Elevation 7,000 to 8,000 feet. Tree large, evergreen; flowers cream-colored.

237494. *SPIRAEA* sp. Rosaceae.

Col. No. 22386. Edge of forest. Elevation 9,000 feet. Shrub small; flowers white, flushed pink.

237495. *SWERTIA* sp. Gentianaceae.

Col. No. 22747. Pastures. Elevation 9,500 feet. Flowers large, purple.

237496. *SWERTIA* sp.

Meadow. Elevation 9,000 feet.

237497. *SYMPLOCOS* sp. Symplocaceae.

Col. No. 21920. Elevation 10,000 feet. Small tree of evergreen forest; flowers white, in summer.

237498. *SYMPLOCOS* sp.

Elevation 7,000 to 8,000 feet. Small forest tree; flowers white.

237499. *TAXUS* sp. Taxaceae.

Col. No. 21916. Elevation 7,000 to 9,000 feet. Forest tree; berries red in November.

237500. *THALICTRUM* sp. Ranunculaceae.

Col. No. 22748. Thickets in half shade. Elevation 9,000 feet. Plant tall; flowers mauve.

237501. *TORREYA* sp. Taxaceae.

Rare tree in evergreen forest; yellow appearance; leaves white beneath. Elevation 7,500 feet.

237502. *VIBURNUM* sp. Caprifoliaceae.

Col. No. 21944. Elevation 9,000 to 10,000 feet. Shrub large, evergreen; flowers white.

237503. *ZANTHOXYLUM* sp. Rutaceae.

Elevation 10,000 feet. Thorny, aromatic shrub; capsules red; fruits black, polished. Useful for hedges.

237504. (Undetermined.)

Col. No. 22481. Elevation 5,000 feet. Tree small; flowers yellow, fragrant.

237505. (Undetermined.)

Col. No. 22620. Elevation 7,000 feet. Rock plant; bracts large, scarlet; blooms in September.

237506. (Undetermined.)

Elevation 9,000 feet. Tree small; fruits purple or violet.

237507 to 237511. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From the United States. Material being held at the Regional Plant Introduction Station, Experiment, Georgia. Numbered Feb. 25, 1957.

Originally received in 1956 by Dr. Higgins from the Tainan Agricultural Improvement Station, Taiwan.

237507. 'Fan Di No. 7'.

237510. 'Java Pure Line No. 21'.

237508. 'Feng Lee Tai Kung Dou'.

237511. 'Basse 32-15'. (A selection from P.I. 196719.)

237509. 'Fing Lee You Dou'.

237512 and 237513. VITIS VINIFERA L. Vitaceae. European grape.

From Iran. Cuttings presented by the Agricultural Attache, American Embassy, Tehran. Received Feb. 25, 1957.

237512. Lot 1.

237513. Lot 2.

237514 and 237515.

From British Honduras. Plant material presented by the Belize Estates Produce Company, Ltd., Gallon Jug Village. Received Feb. 25, 1957.

237514. *DIOSCOREA* sp. Dioscoreaceae.

Sample No. 1. Root.

237515. *DIOSCOREA* sp.

Sample No. 2. Root and cuttings.

237516. FESTUCA ARUNDINACEA Schreb. Poaceae. Tall fescue.

From Tunisia. Seeds presented by the Medjerda Valley Commission, Tunis. Received Feb. 26, 1957.

237517 to 237521. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

From Sweden. Seeds presented by Fran Allmanna Svenska Utsadesaktiebolaget, Svalof. Received Feb. 26, 1957.

237517. 'Hermes'.

237520. 'Silo'.

237518. 'Merkur'.

237521. 'Ultuna'.

237519. 'Offer'.

237522 to 237526.

From Puerto Rico. Seeds presented by the Coffee Substation, Castaner. Received Feb. 26, 1957.

237522 to 237525. *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**

237522. B.A. 10.

237524. 'Barbuk Sudan'.

237523. B.A. 16.

237525. 'Geisha'.

237526. *COFFEA EUGENIOIDES* S. Moore

Coffee.

237527 and 237528.

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Surrey, England. Received Feb. 26, 1957.

237527. *SINARUNDINARIA MURIELAE* (Gamble) Nakai Poaceae. **Bamboo.**

237528. *SINARUNDINARIA NITIDA* (Mitf.) Nakai **Bamboo.**

237529 to 237531. RUBUS (hybrids). Rosaceae. Raspberry.

From Scotland. Seeds presented by the Scottish Horticultural Research Institute, Dundee, Angus. Received Feb. 26, 1957.

237529. 'Baumforth's Seedling B'.

237529 to 237531—Continued

237530. 'Burnetholm Seedling'.

237531. 'Norfolk Giant'.

237532 to 237536.

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Surrey, England. Received Feb. 26, 1957.

237532. *RUBUS FLOSCULOSUS* Focke Rosaceae.237533. *RUBUS INNOMINATUS* var. *KUNTZEANUS* (Hemsl.) Bail.237534. *RUBUS COREANUS* Miquel

Korean raspberry.

237535. *RUBUS LASIOSTYLUS* Focke

Woolly raspberry.

237536. *RUBUS THIBETANUS* Franch.

237537. *SOLANUM HYPORHODIUM* A. Br. & Bouche Solanaceae.
Cocona.

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received Feb. 26, 1957.

237538 to 237552. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered Feb. 26, 1957.

From the University of California, Davis.

237538. Cal. Ac. No. 55-19. Originally from Ankara Universitesi, Turkey.

237539. Cal. Ac. No. 55-20. Originally from Ankara Universitesi, Turkey.

237540 to 237549. Originally from Wad Medani, Sudan.

237540. Cal. Ac. No. 55-22. 'Deberia'. Irrigated.

237541. Cal. Ac. No. 55-23. 'Shambat'. Irrigated.

237542. Cal. Ac. No. 55-33. G.T. 11. (Derived from 'Gadarif', a local variety.)

237543. Cal. Ac. No. 55-34. P. 52.

237544. Cal. Ac. No. 55-38. G.T. 63.

237545. Cal. Ac. No. 55-39. G.T. 66.

237546. Cal. Ac. No. 55-41. G.T. 60.

237547. Cal. Ac. No. 55-43.

237548. Cal. Ac. No. 55-44.

237549. Cal. Ac. No. 55-45.

237550. Cal. Ac. No. 55-21. Originally from the Agricultural Experiment Station, Nve-Yaar, Israel.

237551 and 237552. Originally from Centre de Recherches Agronomiques, Rabat, French Morocco.

237551. Cal. Ac. No. 55-51.

237552. Cal. Ac. No. 55-52.

237553 to 237557.

From the Union of South Africa. Seeds presented by the Prinshof Experiment Station, Pretoria, Transvaal. Received Feb. 27, 1957.

237553. *BOTHRIOCHLOA INTERMEDIA* (R. Br.) A. Camus Poaceae.

From Pretoria.

237554. *HYPARRHENIA HIRTA* (L.) Stapf Poaceae.

From Pretoria.

237553 to 237557—Continued237555. *SETARIA* sp. Poaceae.

From Koalbank.

237556. *SORGHUM ALMUM* Parodi Poaceae.

From Pretoria.

237557. *THEMEDA TRIANDRA* Forsk. Poaceae.

Rooi grass.

From Kimberley.

237558 to 237565.From Italy. Seeds presented by the Stazione Agraria Sperimentale, Bari.
Received Feb. 27, 1957.237558. *CICER ARIETINUM* L. Fabaceae.

Chickpea.

237559. *FESTUCA ARUNDINACEA* Schreb. Poaceae.

Tall fescue.

237560. *HEDYSARUM CORONARIUM* L. Fabaceae.

Sulla sweetvetch.

237561. *LATHYRUS* sp. Fabaceae.237562. *TRIFOLIUM MULTISTRIATUM* Koch Fabaceae.

Clover.

237563. *TRIFOLIUM SQUARROSUM* L.

Clover.

237564. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae.

Fenugreek.

237565. *VICIA SATIVA* L. Fabaceae.

Common vetch.

237566 and 237567.From India. Seeds presented by the Coffee Research Station, Balehonnur,
Mysore. Received Feb. 27, 1957.237566. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

B.A. 35.

237567. *COFFEA BENGALENSIS* Roxb.**237568 to 237582. HORDEUM** sp. Poaceae.From Colombia. Seeds presented by the Ministerio de Agricultura, Oficina de
Investigaciones Especial, Bogota. Received Feb. 7, 1957.

237568. 'Swiss Spring' × Desconocida Coleccion 23-1.

237569. 'Swiss Spring' × Desconocida Coleccion 23-2.

237570. Fr. 1714 × 'Gold'.

237571. 'Funza' × P.I. 5649.

237572. 'Funza' × 'Jet'.

237573. 'Funza' × 'Kindred'.

237574. 'Hietpas 5' × FR. 1697.

237575. 'Research' × 'Kindred'.

237576. 1226 × (FR. 1391 × Hietpas 3)

237577. 'Jet' × 'Ogalitsu'.

237578. 'Ogalitsu' × PI. 3734-1.

237579. 'Ogalitsu' × PI. 3734-2.

237580. Desconocida Coleccion 2 Narino FR. 1391.

237581. Desconocida Coleccion 7 Narino × (1222 × ('Funza' × 'Kindred')-1.

237582. Desconocida Coleccion 7 Narino × (1222 × ('Funza' × 'Kindred')-2.

237583 to 237610.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered Feb. 28, 1957.

Presented by Dr. Ledyard Stebbins, University of California, Davis. Locations given are original sources.

237583 to 237600. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.

237583. Deg 5425 (2n=28) Gravelly soil in ravine about 17 miles northwest of M'Sila, Algeria.

237584. Deg 8581 Clay soil, St. Aime, Cheliff Valley, Algeria.

237585. Deg 902 (2n=28) Near St. Vilarion castle, Cyprus.

237586. CPI 18772 (2n=28) Ras el Kakma, Egypt, via Australia.

237587. Deg 566 (2n=28) Abali-Firusku crossroads near the Elburz Mountains, Iran.

237588. Deg 567C (2n=28) Eight miles from Abali-Firusku crossroads, Elburz Mountains, Iran. Elevation 6,900 feet.

237589. Deg 567D (2n=28) Eighteen miles from the Abali-Firusku crossroads, Elburz Mountains, Iran.

237590. Deg 232 (2n=28) Dorot, Judaeen Plain, Israel.

237591. Deg 231 (2n=28) Along limestone ledge, Madi Migrah, Negev Desert, Israel.

237592. Deg 310 (2n=28) On north-facing slope, Skour des Rehamnas, between Marrakech and Casablanca, Morocco.

237593. Deg R504 (2n=28) Dry steppe, Guercif Experimental Plot, Morocco.

237594. Deg 5457 (2n=28) Limestone ledge above city, Almeria, Spain.

237595. Deg 514 (2n=28) Dry slope, Cordoba, Spain.

237596. Deg P-508 (2n=28) Between Fraga and Candosuos, Spain.

237597. Deg 301 (2n=28) Limestone ledge, Alicante, Spain. Elevation 300 feet.

237598. Deg P-506 (2n=28) Dry, rocky soil, Toledo, Spain.

237599. Deg 349 (2n=28) Zagreb, Yugoslavia. Elevation 2,400 feet.

237600. Dejd 401-b (2n=14) Dry limestone ledge, Judean Mountains, 7.5 miles west of Jerusalem, Israel. Elevation 2,600 feet.

237601. DACTYLIS GLOMERATA ssp. JUNCINELLA (Bory) Boiss.

Deju P501 (2n=14) Sierra Nevada, Spain.

237602 and 237603. DACTYLIS GLOMERATA ssp. LUSITANICA Stebbins & Zohary

237602. Deg 385-386 (2n=14) Near Sintra, Algueirao, Portugal.

237603. Dcl 602-3 × 243-5 (2n=14) Algueirao, Portugal.

237604. DACTYLIS MARITIMA Curtis

Degm 242 (2n=28) Near Sintra, Algueirao, Portugal.

237605 and 237606. DACTYLIS GLOMERATA ssp. SANTAI Stebbins & Zohary

237605. Des (2n=28) Mountain Tessala, near Sidi bel Abbes, Algeria.

237606. DeSa 5454 (2n=14) Talamaquit, Spanish Morocco.

237607. DACTYLIS GLOMERATA ssp. SMITHII (Link) Stebbins & Zohary

Desm P-515 (2n=14) Tenerife, Canary Islands.

237608. DACTYLIS GLOMERATA L.**Orchardgrass.**

Deho 306 (2n=14)

237583 to 237610—Continued

237609. *DACTYLIS GLOMERATA* ssp. *IBIZENSIS* (Gandog.) Stebbins & Zohary
 Dei 5485 and 5485 (2n=14) Balearic Isl., Spain.

237610. *DACTYLIS GLOMERATA* ssp. *WORONOWII* (Ovcz.) Stebbins & Zohary
 Dcw 410 (2n=14) Tehran, Iran.

237611. *MALUS PLATYCARPA* Rehder Malaceae. **Apple.**

From Great Britain. Budwood presented by the Long Ashton Research Station,
 Long Ashton, Bristol, England. Received Feb. 27, 1957.

237612 to 237618.

From South Africa. Seeds presented by the National Botanic Gardens,
 Kirstenbosch, Newlands, Cape Province. Received Feb. 28, 1957.

237612. *ADHATODA DUVERNOIA* C. B. Clarke Acanthaceae.

237613. *CALPURNIA AUREA* (Lam.) Benth. Fabaceae.

237614. *PARANOMUS REFLEXA* (Phil. & Hutch.) Fourc. Proteaceae.

237615. *PITTOSPORUM VIRIDIFLORUM* Sims Pittosporaceae. **Cape pittosporum.**

237616. *PSORALEA PINNATA* L. Fabaceae.

237617. *SCHREBERA SAUNDERSIAE* Harv. Oleaceae.

237618. *VIRGILIA OROBOIDES* (Berg.) Salter Fabaceae.

237619. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae. **Chiloe strawberry.**

From Chile. Seeds collected by John Bucher, Castro. Received Mar. 1, 1957.
 From 5 miles east of Quellon, at Chiguao, Island of Chiloe.

237620. *PRUNUS* sp. Amygdalaceae.

From Germany. Trees presented by the Institut für Rebenzüchtung. Received
 Mar. 1, 1957.

'Ackermann'.

237621 to 237626. *VITIS* (hybrids). Vitaceae. **Grape.**

From France. Cuttings presented by the Ecole Nationale d'Agriculture de
 Montpellier, Montpellier. Received Mar. 4, 1957.

237621. 'Aestivalis Yeager'. **237624.** 'Berlandieri Mazade'.

237622. 'Aestivalis No. 22'. **237625.** 'Berlandieri Resseguier'.

237623. 'Berlandieri d'Anjac'. **237626.** 'Seibel 12393'.

237627 to 237632. *TRITICUM DURUM* Desf. Poaceae. **Durum wheat.**

From Cyprus. Seeds presented by the Agricultural Department, Nicosia.
 Received Mar. 3, 1957.

237627. B.X.I.P.1. **237630.** 'Psathas'.

237628. 'Hyperounda'. **237631.** Sp.

237629. 'Hyperounda Yiallouriko'. **237632.** 'Tripolitico'.

237633. *FRAGARIA* sp. Rosaceae.

From China. Plants presented by the Joint Commission on Rural Reconstruc-
 tion, Taipei, Taiwan. Received Mar. 4, 1957.

237634. *AMPELOCISSUS LATIFOLIA* Planch. Vitaceae.

From India. Seed presented by the Division of Botany, Indian Agricultural
 Research Institute, New Delhi. Received Mar. 4, 1957.

Grown at Sabour.

237635. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.**Sweetpotato.**

From Bermuda. Tubers presented by the Department of Agriculture. Received Mar. 4, 1957.

237636 to 237641.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Mar. 4, 1957.

237636. AGROPYRON KOSANINII Nab. Poaceae.**Wheatgrass.**

Separated from seeds of *Bromus* sp. introduced from Turkey in 1952, a component of P.I. 204425.

237637. ALOPECURUS ARUNDINACEUS Poir. Poaceae.**Foxtail.**

Separated from seeds of *Phleum* sp. introduced from Afghanistan in 1954, a component of P.I. 221947.

237638. HEDYSARUM BOREALE Nutt. Fabaceae.

From a native stand near Fargo, N. Dakota. Presented by the Southwestern Seed Service, Waco, Texas.

237639. LATHYRUS CICERA L. Fabaceae.**Flatpod peavine.**

Originally from Syria. Presented by Iowa State College, Ames.

237640. LYCOPERSICON (hybrid). Solanaceae.**Tomato.**

(*L. esculentum* × *L. pimpinellifolium*.) From the University of California, Davis. (52267-1-La166)

237641. POA FLABELLATA (Lam.) Raspail Poaceae.**Tussock grass.**

Originally from the Falkland Islands; presented by the Postmaster, Menominee, Wis.

237642 and 237643.

From Israel. Seed presented by the Ministry of Agriculture, Haifa. Received Mar. 4, 1957.

237642. PRUNUS ARMENIACA L. Amygdalaceae.**Apricot.**

'Klaby'.

237643. PYRUS SYRIACA Boiss. Malaceae.**Pear.**

Originally from Cyprus.

237644 to 237647.

From Costa Rica. Seeds collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 5, 1957.

237644. ANTHURIUM SCHERZERIANUM Schott Araceae.

Col. No. 3. Finca Las Concaras, Cartago. Feb. 24, 1957.

237645. CARICA PAPAYA L. Caricaceae.**Papaya**

Col. No. 1. Finca Milwaukee, La Junta, Siquirres. Feb. 22, 1957. Fruits large.

237646. MIMOSA INVISA Mart. Mimosaceae.

Col. No. 4. Turrialba. Feb. 25, 1957. Plant spineless.

237647. PHILODENDRON sp. Araceae.

Col. No. 2. Roadside near Finca Las Concavas, Cartago. Feb. 24, 1957. Fruits bright orange, fleshy. Ornamental foliage plant.

237648. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Australia. Seed presented by the University of Sydney, Sydney, New South Wales.

'Timvera'. ('Steinwedel' × *T. timopheevii*.)

237649 and 237650. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Italy. Seed presented by the Food and Agriculture Organization of the United Nations, Rome.

Origin Cyprus.

237649. 'Lawrence'.

237650. 'Psathas'.

237651 to 237661. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Kenya. Seeds presented by the Plant Breeding Station, Department of Agriculture, Njoro. Received Mar. 5, 1957.

237651. Q86-1871-117.A.

237652. Q87-1872-B256-G.

237653. Q88-1873-367.BR.1.D.4.F.

237654. Q89-1874-'Equator II'. (Stripe Rust Resistant.)

237655. Q90-1875-'Kenya Governor'.

237656. Q92-1876-58.F.

237657. Q92-1877-184.P.2.A.1.F.

237658. Q93-1878-'Rhodesian Sabanero'.

237659. Q94-1879-'Einkorn'.

237660. Q95-1880-'Reliance'.

237661. R64-'D.C.' × 'Ceres'. (Stripe Rust Resistant.)

237662 to 237664. VICIA FABA L. Fabaceae. Broadbean.

From Portugal. Seeds presented by Jose Matafome, Portuguese participant in the International Farm Youth Exchange, Lisbon. Received Apr. 9, 1954.

Numbered Mar. 5, 1957.

237662. 'Algarvia'. Seeds large; high-yielding type; probably good as an edible dried bean.

237663. 'Corruichela'. Seeds large; possibly suitable for coastal areas.

237664. 'Ratinha'. Seeds small; early-maturing type; pods soft-shelled.

237665 and 237666.

From Great Britain. Cuttings presented by the Royal Botanic Gardens, Kew, Surrey, England. Received Mar. 6, 1957.

237665. SALIX AMYGDALINA var. CONCOLOR Wimm. & Grab. Salicaceae. Willow.

237666. SALIX BOCKII Seem.

237667 to 237669.

From India. Seeds presented by the Division of Botany, Indian Agricultural Research Institute, New Delhi. Received Mar. 6, 1957.

237667. DOLICHOS BIFLORUS L. Fabaceae. Twinflower dolichos.

Sel. No. 55.

237668. PENNISETUM PEDICELLATUM Trin. Poaceae.

I.C. 4562.

237667 to 237669—Continued

- 237669.** *PHASEOLUS AUREUS* Roxb. Fabaceae. **Mung bean.**
T. 1.

237670 and 237671.

From Fiji. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 7, 1957.

- 237670.** *MISCANTHUS FLORIDULUS* (Labill.) Warb. Poaceae. **Silvergrass.**
Col. No. 501. Hillside, Yako. Feb. 28, 1957.

- 237671.** *IMPERATA EXALTATA* (Roxb.) Brogn. Poaceae.
Col. No. 502. Sigatoka River. Feb. 28, 1957.

237672 and 237673.

From the Netherlands. Seeds presented by the Agricultural University Arboretum, Wageningen. Received Mar. 7, 1957.

- 237672.** *DATURA STRAMONIUM* L. Solanaceae.

- 237673.** *POA BULBOSA* L. Poaceae. **Bulbous bluegrass.**

237674 to 237677.

From China. Plants presented by M. C. Kao, Hsinchu, Taiwan. Received Mar. 7, 1957.

- 237674.** *ASARUM CAUDIGERUM* Hance Aristolochiaceae.

- 237675.** *ASARUM GRANDIFLORUM* var. *COLOCASIFOLIUM* Hayata

- 237676.** *ASARUM LEPTOPHYLLUM* Hayata

- 237677.** *ASARUM MACRANTHUM* Hook. f.

237678 and 237679.

From the Netherlands. Plants presented by the Old Farm Nurseries, Boskoop. Received Mar. 7, 1957.

- 237678.** *FRAXINUS EXCELSIOR* L. Oleaceae. **European ash.**
'Westhofs Glory'.

- 237679.** *MAHONIA AQUIFOLIUM* (Pursh) Nutt. Berberidaceae. **Oregongrape.**
'Atropurpurea'.

237680 and 237681. *PRUNUS PERSICA* (L.) Batsch Amygdalaceae. **Peach.**

From Italy. Scions presented by the Istituto di Coltivazioni Arboree, Florence. Received Mar. 7, 1957.

- 237680.** 'Gialli di Firenze'. ('Free yellow' × 'Trionfo').

- 237681.** 'Precocissima Morettini'. ('Chilonx' × 'Mayflower 37-T').

237682 to 237684. *SORGHUM VULGARE* Pers. Poaceae.

From Egypt. Seed presented by the Department of Agronomy, Corn Plant Breeding Section, Giza, Cairo. Received Mar. 7, 1957.

- 237682.** 'Giza 54'. Yellow.

- 237683.** 'Local 114'. White.

- 237684.** 'Local 123'. Yellow.

237685 and 237686. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From the United States. Scions growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Mar. 6, 1957.

Material collected in the state of Washington.

237685. 'Winesap'. (Tetraploid.) From a sport.

237686. 'Winesap'. Wenatchee.

237687 and 237688. HORDEUM (hybrids). Poaceae. Barley.

From Germany. Seed presented by the Max-Planck Institute, Cologne. Received Mar. 7, 1957.

237687. 478/55 (44 013 ('Isaria' × H204) × 'Salzmunder') × 'Breustedts Schladener'.

237688. 584/55 (44 013 ('Isaria' × H204) × 'Peragis Mittelfruhe') × 'Salzmunder' × 'Peragis XII'.

237689. PHASEOLUS ANGULARIS (Willd.) W. F. Wight Fabaceae.**Adsuki bean.**

From the United States. Seeds presented by Thomas Motose, Fairport, New York. Received Mar. 7, 1957.

Originally from the Island of Hokkaido, Japan.

237690 and 237691.

From Vietnam. Rhizomes presented by the United States Operations Mission, Saigon. Received Mar. 8, 1957.

From the Botanic Garden, Saigon.

237690. AMOMUM HARMANDII Gagnep. Zingiberaceae.

Originally from Chou-Doc.

237691. AMOMUM OVOIDEUM Pierre

Originally from Plateau Boloven, Laos.

237692 to 237699.

From the Netherlands. Presented by the Agricultural University Arboretum, Wageningen. Received Mar. 8, 1957.

237692. FAGUS ORIENTALIS Lipsky Fagaceae

Beech.

(Scions.)

237693. PRUNUS MAHALEB L. Amygdalaceae.

Mahaleb cherry.

(Scions.)

237694. PRUNUS SERRULA Franch.

(Scions.)

237695 to 237697. SORBUS ARIA (L.) Crantz Malaceae.

White beam mountain-ash.

237695. (Cuttings.)

237696. 'Aurea'. (Scions.)

237697. 'Majestica'. (Scions.)

237698. PRUNUS BRIGANTINA Vill. Amygdalaceae.

Alpine plum.

(Seeds.)

237699. PRUNUS CANESCENS Boiss.

(Seeds.)

237700 to 237703. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From the United States. Scions presented by Haig Derman, Plant Industry Station, Beltsville, Maryland. Numbered Mar. 8, 1957.

Pure tetraploids.

237700. 'Delicious'. 4-4-4. Originally from Idaho.**237701.** 'Kimball Giant McIntosh'. 4-4-4. Originally from Massachusetts.**237702.** 'Ontario'. Origin unknown.**237703.** 'Wrixparent'. 4-4-4.**237704 and 237705. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.**

From Denmark. Seeds presented by L. Daehnfelddt. Odense. Received Mar. 8, 1957.

237704. 'Daeno III'. (Half late.)**237705.** 'Hinderupgaard III'. (Early.)**237706 to 237710.**

From Germany. Seeds presented by Dr. M. van Schmieder, Saatzuchtwirtschaft, Steinach uber Straubing. Received Mar. 8, 1957.

237706. *ARRHENATHERUMELATIUS* (L.) Presl Poaceae.**Tall oat grass.****237707.** *FESTUCA ELATIOR* L. Poaceae.**Meadow fescue.****237708.** *FESTUCA OVINA* L.**Sheep fescue.****237709.** *POA PRATENSIS* L. Poaceae.**Kentucky bluegrass.****237710.** *TRISETUM FLAVESCENS* (L.) Beauv. Poaceae.**237711 to 237716.**

From Denmark. Seed presented by the Danske LandboforeningersFrforssyning, Roskilde. Received Mar. 8, 1957.

237711 and 237712. *TRIFOLIUM HYBRIDUM* L. Fabaceae.**Alsike clover.****237711.** 'Otofte II'.**237712.** 'Otofte 4nII'.**237713 to 237716.** *TRIFOLIUM PRATENSE* L. Fabaceae.**Red clover.****237713.** 'Hjelm'.**237715.** 'Otofte III'.

(Early, resistant.)

237714. 'Otofte III'.**237716.** 'Otofte III'.

(Semi-late.)

237717 to 237731.

From Germany. Seed presented by the Bayerische, Landessaatzuchtanstalt, Weinhenstephan b/Freising. Received Mar. 11, 1957.

237717. *AGROSTIS TENUIS* Sibth. Poaceae.**Colonial bentgrass.**

'Odenwalder'.

237718. *DACTYLIS GLOMERATA* L. Poaceae.**Orchardgrass.**

'Lishchower'.

237719 and 237720. *LUPINUS ALBUS* L. Fabaceae.**White lupine.****237719.** 'Pflug-Mansa'.**237720.** 'Portugal'.**236721.** *LUPINUS ANGUSTIFOLIUS* L.**Blue lupine.**

'Sengbusch'.

237717 to 237731—Continued

237722 and 237723. *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urban Fabaceae. **Alfalfa.**

237722. 'Altfrankische' ('Wurzburg').

237723. 'Daehnfeldt Hauptsaat'.
237724. *PHALARIS ARUNDINACEA* L. Poaceae. **Reed canarygrass.**

'Weihenstephaner'.

237725. *PHLEUM PRATENSE* L. Poaceae. **Timothy.**

'Weihenstephaner'.

237726 to 237731. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

237726. 'Brauns'.

237729. 'Odenwalder'.

237727. 'Kieler'.

237730. 'Steinacher'.

237728. 'Lembke'.

237731. 'Weibulls R 28'.

237732 to 237735. *TRIFOLIUM REPENS* L. Fabaceae. **White clover.**

From Germany. Seeds presented by the Bayerische, Landessaatzuchtanstalt Weihenstephan b/Freising. Received Mar. 11, 1957.

237732. 'Gigant'.

237734. 'Landsberger'.

237733. 'Kameke'.

237735. 'Steinach'.

237736 to 237753. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Finland. Tubers presented by the Apuukka Agricultural Experiment Station, North of the Arctic Circle. Received Mar. 11, 1957.

237736. 'Barima'.

237745. 'Jo 095'.

237737. 'Bea'.

237746. 'Jo 0119'.

237738. 'Brands 48-1'.

237747. 'Jo 265/53'.

237739. 'Dare'.

237748. 'Jo 292/49'.

237740. 'Eersteling'.

237749. 'Rade Eersteling'.

237741. 'Ella'.

237750. 'Saskea'.

237742. 'Hettulan'.

237751. 'Sientje'.

237743. 'Jo 039'.

237752. 'Sirtema'.

237744. 'Jo 088'.

237753. 'Ta 01783'.

237754 to 237790. *PRUNUS AVIUM* L. Amygdalaceae.

Sweet cherry.

From the Netherlands. Scions presented by the Institute of Horticultural Plant Breeding, Division of Plant Introduction, Wageningen. Received Mar. 11, 1957.

237754. 'Abbesse de Moulant'. (Eisdense.)

237755. 'Beekse Late'.

237756. 'Bolium'.

237757. 'Bowyer Heart'.

237758. 'Bruine Bigarreau'.

237759. 'Corone A'.

237760. 'Early Rivers'. (T. Alfheim.)

237761. 'Empress Eugenie'.

237762. 'Florence'.

237763. 'Fruheste der Mark'.

237764. 'Gascogner 11-3'.

237754 to 237790—Continued

237765. 'Gloire de la Meuse'.
 237766. 'Grosse Royale Hative'.
 237767. 'Ham Green Black'.
 237768. 'Irosides'.
 237769. 'Kernielse'.
 237770. 'Kinderkers'.
 237771. 'Klerk'.
 237772. 'Koninkers'.
 237773. 'Korosel Weichsel'.
 237774. 'Lindeboomkers'.
 237775. 'Longley's Black Eagle'.
 237776. 'Luikenaar Vroege Witte'.
 237777. 'Lukker'.
 237778. 'Lulsley Early Black'='Corone C'.
 237779. 'Maiden's Blush'.
 237780. 'Meikers'.
 237781. 'Merton Premier'.
 237782. 'Old Black Heart A'.
 237783. 'Old Black Heart B'.
 237784. 'Poolse'.
 237785. 'Rode Blanche's'.
 237786. 'Vacke's Weichsel'.
 237787. 'Varikse Zwarte'.
 237788. 'Victoria Black A'.
 237789. 'Wilhelmina'.
 237790. 'Zuurtje'.

237791 to 237819.

From Spain. Plants growing at the National Observation Nursery, Soil Conservation Service, Beltsville, Md. Numbered Mar. 11, 1957.

Originally grown from seeds presented by the Botanic Gardens, Madrid, May, 1951. BN numbers refer to the Beltsville Nursery, Soil Conservation Service.

237791. BRACHYPODIUM PINNATUM (L.) Beauv. Poaceae. **Japanese falsebrome.**
 BN 7988.
 237792. BRACHYPODIUM SYLVATICUM (Huds.) Beauv. **Falsebrome.**
 BN 7987.
 237793. BROMUS WILLDENOWII Kunth Poaceae. **Rescuegrass.**
 BN 7995.
 237794. BROMUS sp.
 BN 7990.
 237795. ERIANTHUS RAVENNAE (L.) Beauv. Poaceae. **Ravenna grass.**
 BN 8009.

237791 to 237819—Continued

- 237796 to 237801.** *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**
237796. BN 8035. **237799.** BN 8050.
237797. BN 8041. **237800.** BN 8059.
237798. BN 8049. **237801.** BN 8060.
- 237802.** *FESTUCA* sp.
 BN 8030.
- 237803.** *FESTUCA* sp.
 BN 8037.
- 237804 to 237806.** *HORDEUM BULBOSUM* L. Poaceae. **Bulbous barley.**
237804. BN 8012.
237805. BN 8014.
237806. BN 8015.
- 237807 to 237811.** *POA PRATENSIS* L. Poaceae. **Kentucky bluegrass.**
237807. BN 7979. **237810.** BN 8054.
237808. BN 7982. **237811.** BN 8055.
237809. BN 8026.
- 237812.** *STIPA FORMICARUM* Del. Poaceae. **Needlegrass.**
- 237813 to 237818.** *STIPA NEESIANA* Trin. & Rupr. **Needlegrass.**
237813. BN 7964. **237816.** BN 7975.
237814. BN 7971. **237817.** BN 7976.
237815. BN 7974. **237818.** BN 7977.
- 237819.** *STIPA PAPPOSA* Nees **Needlegrass.**
 BN 7973.
- 237820.** *COFFEA CANEPHORA* Pierre ex Froeh. Rubiaceae. **Robusta coffee.**
 From the Philippines. Seed presented by the Director of Plant Industry,
 Manila. Received Mar. 11, 1957.
 Grown in Calinan, Davao City, Mindanao.
- 237821 to 237824.**
 From Mexico. Plant material presented by Jorge Valencia, Jalapa, Veracruz.
 Received Mar. 11, 1957.
- 237821.** (Undetermined.)
 (Plants.)
- 237822.** (Undetermined.)
 (Tubers.)
- 237823.** (Undetermined.)
 (Tubers.)
- 237824.** *PRUNUS PERSICA* (L.) Batsch Amygdalaceae. **Peach.**
 (Seeds.)
- 237825 and 237826.** *GOSSYPIUM* (hybrids). Malvaceae. **Cotton.**
 From Yugoslavia. Seeds presented by the Institut za Pamuk, Strumica.
 Received Mar. 12, 1957.
- 237825.** Am. 7 (Uzorak beg vreuosti).
237826. No. 182. (Uzorak beg vreuosti).

237827 to 237833.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 12, 1957. Collected Mar. 6 and 7, 1957.

237827. *ABIES NEBRODENSIS* (Lojac.) Mattei Pinaceae.

Col. No. 3584. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Probably hardy on Pacific Coast.

237828. *GINKGO BILOBA* L. Ginkgoaceae. **Maidenhair-tree.**

Col. No. 3578. 'Pendula'. Jardin Kahn, Pont de St. Cloud, Bois de Boulogne, Paris. Plant grafted on ordinary form, approximately 50 years old.

237829. *HOLBOELLIA CORIACEA* Diels Lardizabalaceae.

Col. No. 3581. Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Evergreen climber, hardy; probably good for rooting on beach.

237830. *PTEROCELTIS TATARINOWII* Maxim. Ulmaceae.

Col. No. 3586. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Tree to 25 feet high; hardy.

237831. *RHAMNUS ALATERNUS* L. Rhamnaceae. **Buckthorn.**

Col. No. 3582. Pepinieres de Grand Trianon, Versailles. Plant dense, evergreen, to 6 feet high; probably suitable for hedges.

237832. *ROBINIA* × *HOLDTII* Beissn. Fabaceae. **Locust.**

Col. No. 3580. Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise.

237833. *SARCOCOCCA HOOKERINA* var. *DIGYNA* Franch. Buxaceae.

Col. No. 3583. Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Evergreen shrub to 4 feet high; spreads by underground runners.

237834. *PIPER METHYSTICUM* Forst. Piperaceae. **Kava pepper.**

From Indonesia. Cuttings presented by the Institute for Agricultural Research, Bogor. Received Mar. 14, 1957.

237835 to 237916.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 13, 1957. Collected in Nov. and Dec., 1956 unless otherwise indicated.

237835. *ACER RUFINERVE* Sieb. & Zucc. Aceraceae. **Maple.**

Col. No. 687. Along mountain stream above Kurio, Yakushima. Tree handsome, to 30 feet; bark striped green; petioles red; leaves 3 to 5 lobed; fall color yellow.

237836. *ADINA PILULIFERA* (Lam.) Franch. Rubiaceae.

Col. No. 685. Mountain forest above Kurio, Yakushima. Elevation 1,200 feet. Wild evergreen tree to 25 feet high; leaves ovate, entire; fruits a ball-like capsule on long stalks.

237837. *ALPINIA INTERMEDIA* Gagnep. Zingiberaceae.

Col. No. 596. Along sea road near Miyanoura, Yakushima. Plant herbaceous; leaves broad lanceolate; fruits large, red, in spines.

237838. *ALPINIA INTERMEDIA* Gagnep.

Col. No. 739. Along sandy knolls, Nishi-no-omote, Tanegashima. Plant large, herbaceous; flowers white; fruit a capsule, many seeded.

237839. *PEUCEDANUM JAPONICUM* Thunb. Apiaceae.

Col. No. 715. Along seacoast between Ambo and Miyanoura, Yakushima. Plant herbaceous; flowers white, in umbels; stalks 12 inches long.

237835 to 237916—Continued

237840. *ARDISIA CRENATA* Sims. Myrsinaceae.

Col. No. 674. Below Kosuge-dani, Yakushima. Elevation 1,800 feet. Evergreen shrub to 2 feet high; leaves ovate, crenate; fruit red in large clusters.

237841. *ARDISIA CRISPA* DC.

Coral ardisia.

Col. No. 652. Along mountain path, Kosuge-dani, Yakushima. Evergreen shrub; leaves narrow-lanceolate, crenate; fruits red, in panicles on long stalks.

237842. *ARDISIA JAPONICA* (Thunb.) Blume

Col. No. 788. Along roadside near Tachikawa, Tokyo-to. Plant ground-covering type, to 6 inches high; fruit red, large, solitary.

237843. *ARDISIA* sp. Myrsinaceae.

Col. No. 622. Along Miyanoura River, Manno National Forest, Yakushima. Evergreen tree to 20 feet high; leaves alternate, ovate; fruit reddish-black, in clusters.

237844. *ARDISIA* sp.

Col. No. 623. Along Miyanoura River, Manno National Forest, Yakushima. Evergreen tree to 15 feet high; leaves elliptic, dark green above, pale beneath; fruit round, reddish, in clusters.

237845. *ARDISIA* sp.

Col. No. 694. Along seacoast, Onoaida, Yakushima. Small, evergreen tree; leaves pale green clusters at tips of branches, elliptic; fruit red.

237846. *ARISAEMA SERRATUM* var. *ATROPURPUREUM* Engl. Araceae.

Col. No. 666. Along Mountain path above Kosugi-dani, Yakushima. Elevation 3,600 feet. Plant wild.

237847. *ARISAEMA* sp.

Col. No. 670. Along mountain path above Kosugi-dani, Yakushima. Elevation 3,000 feet. Plant wild.

237848. *ARISAEMA* sp.

Col. No. 763. Along roadside near Anno, Tanegashima. Plant to four feet high; two leaves divided into seven parts; seeds red.

237849. *ARISAEMA SERRATUM* f. *THUNBERGII* Makino

Col. No. 772. Hirakiki Mountains, Satsuma Prefecture. Elevation 1,200 feet. Plant typical.

237850. *BREDIA HIRSUTA* Blume Melastomataceae.

Col. No. 676. Below Kosugi-dani, in moist rocky shaded places. Subshrub; stems succulent; flowers in terminal clusters, purple.

237851. *BUDDLEIA CURVIFLORA* Hook. & Arn. Loganiaceae.

Col. No. 708. Sea coast road between Kurio and Ambo, Yakushima. Shrub to eight feet high; leaves broad lanceolate; flowers in long pointed panicles, purple.

237852. *CALLICARPA JAPONICA* var. *LUXURIANS* Rehder Verbenaceae.

Japanese beautyberry.

Col. No. 621. Logging road in Manno National Forest, Miyanoura, Yakushima. Shrub to 15 feet high; leaves large, ovate, narrowly pointed; fruit bright-purple, in dense clusters.

237853. *CALLICARPA TOSAENSIS* Makino

Beautyberry.

Col. No. 601. Sea coast road between Miyanoura and Isso, Yakushima. Deciduous shrub to 10 feet high; leaves ovate, lanceolate; fruit in dense panicles.

237854. *CAMELLIA SASANQUA* Thunb. Theaceae.

Sasanqua camellia.

Col. No. 791. Upper reaches of Miyanoura River, Manno National Forest, Yakushima. High elevation; species typical.

237835 to 237916—Continued**237855.** *CAMELLIA JAPONICA* var. *MACROCARPA* Masamune

Col. No. 660. Above Kosugi-dani, Yakushima. Elevation 4,200 feet. Plant characterized by large, shiny, black fruit, and narrow elliptic leaves.

237856. *CANAVALIA OBTUSIFOLIA* (Lam.) DC. Fabaceae.

Col. No. 693. Seaside plant, Onoaida, Yakushima. Leaves trifoliate, leaflets ovate; flowers yellow, in short raceme; seeds large.

237857. *CINNAMOMUM BREVIFOLIUM* Miquel Lauraceae.

Col. No. 713. Along seacoast between Ambo and Miyanoura, Yakushima. Evergreen shrub; foliage dense, leaves ovate, small; fruit black.

237858. *CINNAMOMUM DAPHNOIDES* Sieb. & Zucc.

Col. No. 740. In arid conditions, Nichi-no-omote, Tanegashima. Tree small, shrubby; leaves ovate, tomentose beneath; fruit black.

237859. *CINNAMOMUM PEDUNCULATUM* (Thunb.) Presl

Col. No. 605. Isso River, Yakushima. Evergreen tree; stems yellow-green; leaves ovate; fruit on long stalks, black.

237860. *CRAWFURDIA TRINERVIS* (Blume) Hassk. Gentianaceae.

Col. No. 564. Along Kinomoto-Oase road, Kii, Wakayama Prefecture. Scandant herb; flowers pale purple, tubular; fruit reddish-purple.

237861. *DAMNACANTHUS INDICUS* Gaertn. f. Rubiaceae.

Col. No. 789. Upper Miyanoura River, Manno National Forest, Yakushima. Small evergreen shrub; leaves opposite, entire, stipules as spines; fruit red.

237862. *DAPHNE* sp. Thymelaeaceae.

Col. No. 675. Below Kosugi-dani, Yakushima. Evergreen tree to 15 feet high; leaves entire, except a few tip serrations; fruit blue.

237863. *DAPHNIPHYLLUM MACROPODUM* Miquel Euphorbiaceae.

Col. No. 604. Above Isso River, Yakushima. Tall evergreen tree; leaf stalks characterized by red coloring; fruit black.

237864. *DENDROPANAX TRIFIDUS* (Thunb.) Makino ex Hara Araliaceae.

Col. No. 733. Tachimoto National Forest, Tanegashima. Shapely small tree; leaves entire or 3 to 5 lobed; fruit purple-black.

237865. *DESMODIUM* sp. Fabaceae.

Col. No. 620. Along Miyanoura-Issu sea road. Small leguminous shrub; leaves trifoliate; pods narrow, sectioned between seeds.

237866. *DESMODIUM* sp.

Col. No. 646. Along Miyanoura River, Manno National Forest, Yakushima. Woody shrub to 3 feet high; leaves trifoliate; pods lomentum.

237867. *ELAEAGNUS UMBELLATA* Thunb. Elaeagnaceae.

Col. No. 588. Roadside between Isso and Miyanoura, Yakushima. Semi-evergreen small tree or shrub; leaves silvery beneath; fruit round, color pale red with minute scaly hairs; edible.

237868. *ELAEOCARPUS JAPONICUS* Sieb. & Zucc. Elaeocarpaceae.

Col. No. 603. Along Isso River, Yakushima. Evergreen tree; bark gray; leaves in terminal clusters, whorled, ovate with serrate margin; fruit in raceme, bright blue.

237869. *EUGENIA* sp. Myrtaceae.

Col. No. 600. Streamside near Tomaiki, Yakushima. Evergreen shrub to 10 feet high; bark light brown; leaves opposite, entire; fruit black.

237870. *EUGENIA* sp.

Col. No. 671. Below Kosugi-dani, Yakushima. Elevation 3,300 feet. Evergreen shrub; leaves opposite, entire; fruit terminal, black.

237835 to 237916—Continued

237871. *EURYA JAPONICA* Thunb. Theaceae.

Col. No. 650. Mountains above Kosugi-dani, Yakushima. Evergreen shrub; leaves alternate, crenate; fruit black, axillary, on short stalks.

237872. *GORDONIA ANOMALA* Spreng. Theacea.

Col. No. 790. Botanic Garden, Kagoshima University, Kagoshima Prefecture. Tree to 18 feet high, probably evergreen; flowers large, white, fragrant.

237873. *HELICIA COCHINCHINENSIS* Lour. Proteaceae.

Col. No. 741. Roadside near Nakata, Tanegashima. Small evergreen tree; leaves alternate, ovate, crenate, dark green. Cultivated; suited to dry conditions.

237874. *IDESIA POLYCARPA* Max. Flacourtiaceae.

Col. No. 746. Roadside near Furuta National Forest, Tanegashima. Deciduous tree to 25 feet high; fruit red, in large pendant clusters.

237875. *ILEX HANCEANA* Maxim. Aquifoliaceae. **Holly.**

Col. No. 752. Roadside, Furuta National Forest, Tanegashima. Evergreen tree to 25 feet high; leaves broad-ovate, entire; fruit red, small, perhaps smallest of all species noted.

237876. *ILEX INTEGRATA* Thunb. **Holly.**

Col. No. 608. Along Isso River, Isso, Yakushima. Evergreen tree to 30 feet high; fruit large, red, ovoid.

237877. *ILEX LIUKIUENSIS* Loes. **Holly.**

Col. No. 587. Banks of Isso River, Isso, Yakushima. Handsome evergreen tree to 20 feet; leaves dark green, glossy, slightly undulate; fruit red, in dense clusters, small.

237878. *ILEX CRENATA* var. *MUTCHAGARA* (Makino) Ohwi **Holly.**

Col. No. 659. Above Kosugi-dani, near Hana-no-ego, Yakushima. Elevation 4,500 feet. Evergreen tree to 15 feet high; leaves crenate; fruit black, 2 to 3 in a cluster.

237879. *ILEX ROTUNDA* Thunb. **Holly.**

Col. No. 681. Along coastal road between Ambo and Manyu, Yakushima. Evergreen tree to 30 feet high; leaves large, broad, ovate, entire; fruit red, size varies.

237880. *ILEX LIUKIUENSIS* Loes. **Holly.**

Col. No. 607. Along Isso River, Yakushima. Evergreen tree to 20 feet high; leaves dark, shiny green, ovate; fruit red, in 2 to 5 fruited clusters, small.

237881. *ILLICIUM RELIGIOSUM* Sieb. & Zucc. Magnoliaceae.

Col. No. 663. Above Kosugi-dani, Yakushim. Elevation 3,600 feet. Evergreen tree to 20 feet high; leaves clustered, ovate, lanceolate, entire; fruit a flattish capsule in 8 sections.

237882. *JUNIPERUS CONFERTA* Parl. Pinaceae. **Shore juniper.**

Col. No. 738. Sand dunes near Nishi-no-omote, Tanegashima. Plant prostrate; main stems lying flat, secondary branches ascending; berries large, purple; rooting in sand.

237883. *KADSURA JAPONICA* (L.) Juss. Magnoliaceae. **Scarlet kadsura.**

Col. No. 593. Along Nagata River, Yakushima. Evergreen vinelike shrub; leaves oval, shiny; flowers yellowish-white; berries scarlet.

237884. *LAGERSTROEMIA FAURIEI* Koehne Lythraceae.

Col. No. 686. Mountain forest above Kurio Yakushima. Elevation 1,200 feet. Handsome tree to 20 feet high; bark red-brown, flaked green; fruit a capsule, 10 to 20 seeds.

237835 to 237916—Continued

- 237885.** *LECANORCHIS JAPONICA* Blume Orchidaceae.
Col. No. 615. Moist shady banks, Isso River, Yakushima. Terrestrial orchid; stems leafless; seed pods about 2 inches long.
- 237886.** *LITHOCARPUS EDULIS* (Makino) Rehder Fagaceae.
Col. No. 729. Tachimoto National Forest, Tanegashima. Evergreen oak with large oblong edible acorns.
- 237887.** *LONICERA AFFINIS* Hook. & Arn. Caprifoliaceae. **Honeysuckle.**
Col. No. 700. Roadside between Kurio and Onoaida, Yakushima. Vine; leaves ovate; fruit on long stalk, large, several in cluster, black.
- 237888.** *MITCHELLA UNDULATA* Sieb. & Zucc. Rubiaceae.
Col. No. 653. Moist woods above Kosugi-dani, Yakushima. Elevation 3,600 feet. Plant prostrate, evergreen; leaves ovate; fruit small, red.
- 237889.** *MORINDA UMBELLATA* L. Rubiaceae.
Col. No. 594. Roadside between Miyanoura and Isso, Yakushima. Scandant evergreen; leaves broad; fruit orange.
- 237890.** *PSYCHOTRIA SERPENS* L. Rubiaceae.
Col. No. 589. Rocky stream bed, Isso River, Yakushima. Evergreen vine; leaves opposite, narrow ovate; fruit white.
- 237891.** *PSYCHOTRIA* sp. Rubiaceae.
Col. No. 624. Along Miyanoura River, Manno National Forest, Yakushima. Small evergreen shrub; leaves leathery, oblong; fruit in a corymb, red.
- 237892.** *PSYCHOTRIA* sp.
Col. No. 705. Seaside plant, along rocky ravines, Onoaida, Yakushima. Evergreen tree; leaves clustered or whorled, dark green, ovate-lanceolate; fruit red.
- 237893.** *QUERCUS GILVA* Blume Fagaceae. **Oak.**
Col. No. 742. Along forest road, Furuta National Forest, Tanegashima. Evergreen tree to 40 feet high; leaves ovate, brittle, serrate.
- 237894.** *QUERCUS GLAUCA* Thunb. **Blue Japanese oak.**
Col. No. 749. Along forest stream, Furuta National Forest, Tanegashima. Evergreen tree; leaves ovate, rounded at base, teeth at apex.
- 237895.** *QUERCUS WRIGHTII* Nakai **Oak.**
Col. No. 698. Along seacoast road, Onoaida, Yakushima. Shrubby evergreen tree; leaves tomentose beneath.
- 237896.** *QUERCUS* sp.
Col. No. 730. Along stream bed, Tachimoto National Forest, Tanegashima. Evergreen tree probably to 60 feet high; acorns ovate, large.
- 237897.** *RAPHIOLEPIS* sp. Malaceae.
Col. No. 726. Along stream bed, Koseda, Yakushima. Evergreen tree to 20 feet high; leaves whorled, shiny, finely crenate; fruit blackish.
- 237898.** *RAPHIOLEPIS UMBELLATA* (Thunb.) Makino Malaceae.
Col. No. 734. In Tachimoto National Forest, Tanegashima. Tall evergreen tree; fruit black, large.
- 237899.** *RHAMNUS* sp. Rhamnaceae.
Col. No. 657. Above Kosugi-dani, Yakushima. Elevation 3,500 feet. Deciduous tree to 30 feet high; leaves ovate-lanceolate; fruit round, black, on short stalks.

237835 to 237916—Continued

237900 and 237901. *SARCANDRA GLABRA* (Thunb.) Nakai. Chloranthaceae.

237900. Col. No. 595. Along seacoast road, semi-shade, moist rock, Miyanoura, Yakushima. Evergreen subshrub; leaves ovate, coarsely toothed; fruit in terminal clusters, orange to yellow.

237901. Col. No. 766. Onigasawa National Forest, Tanegashima. Plant abundant; fruit dark red.

237902. *SKIMMIA JAPONICA* Thunb. Rutaceae. **Japanese skimmia.**

Col. No. 673. Along logging road below Kosugi-dani, Yakushima. Evergreen shrub; stems greenish; leaves clustered; fruit in terminal cluster, red.

237903. *SMILAX CHINA* L. Smilacaceae. **Greenbrier.**

Col. No. 597. Along sea road to Tomaiko, Miyanoura, Yakushima. Plant large, vigorous; thorns few; fruit large, showy, in hanging clusters, bright red.

237904. *SOLANUM* sp. Solanaceae.

Col. No. 599. Along stream bed near Tomaiko, Miyanoura, Yakushima. Herbaceous perennial; leaves broad, ovate; fruit round, bright red; prominent calyx.

237905. *SORBUS COMMIXTA* Hedlund. Malaceae. **Korean mountain-ash.**

Col. No. 655. At Hana-no-ego, Yakushima. Elevation 3,500 feet. Deciduous tree to 20 feet high; fruit in large clusters, red.

237906. *SORBUS* sp.

Col. No. 680. Above Kosugi-dani, Yakushima. Elevation 4,500 feet. Deciduous tree to 20 feet high; fruit red, stalked.

237907. *STACHYURUS LANCIFOLIUS* Koidz. Stachyuraceae.

Col. No. 619. Along Isso River, Yakushima. Deciduous tree; flowers yellow, before leaves, in short raceme, small.

237908. *TROCHODENDRON ARALIOIDES* Sieb. & Zucc. Trochodendraceae.

Col. No. 664. Above Kosugi-dani, Yakushima. Elevation 4,350 feet. Evergreen tree to 60 feet; leaves ovate to obovate, clustered at tips of branchlets; fruit a capsule.

237909. *TURPINIA TERNATA* Nakai Staphyleaceae.

Col. No. 695. Along seacoast, Onoaida, Yakushima. Evergreen shrub; leaves ovate, veins conspicuously depressed; fruit red, in terminal clusters.

237910. *VACCINIUM BRACTEATUM* Thunb. Vacciniaceae. **Oriental blueberry.**

Col. No. 586. Along rocky river bed, Isso River, Yakushima. Shrub to 15 feet high; leaves alternate, narrowly ovate; fruit racemose, black.

237911. *VACCINIUM* sp.

Col. No. 707. Along coastal road between Kurio and Onoaide, Yakushima. Evergreen shrub to 15 feet high; leaves ovate, shiny green; fruit reddish.

237912. *VILLEBRUNEA PEDUNCULATA* Shirai Urticaceae.

Col. No. 699. Along stream between Kurio and Onoaida, Yakushima. Evergreen tree to 20 feet high; leaves ovate, thin; flowers borne along stem on previous year's wood, greenish; typical.

237913. *WIKSTROEMIA* sp. Thymelaeaceae.

Col. No. 662. Above Kosugi-dani, Yakushima. Elevation 3,300 feet. Evergreen tree to 30 feet high; leaves ovate, crenulate, shiny green; fruit black, small, elongate.

237914. (Undetermined.)

Col. No. 647. Along Miyanoura River, Manno National Forest, Yakushima. Evergreen tree to 18 feet high; leaves elliptic, serrate; fruit black, in short clusters.

237835 to 237916—Continued**237915.** (Undetermined.)

Col. No. 722. Rocky stream bank along Isso River, Yakushima. Evergreen tree to 25 feet high; leaves alternate, obovate, crenate; fruit greenish-blue.

237916. *CLEYERA JAPONICA* Thunb. Theaceae.

Col. No. 735. In Tachimoto National Forest, Tanegashima. Evergreen shrub; fruit black.

237917. *LACTUCA BOURGAEI* (Boiss.) Irish & Taylor Cichoriaceae.
Lettuce.

From the Netherlands. Seeds presented by the Botanic Garden, Leiden. Received Mar. 12, 1957.

237918 to 237922.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 12, 1957.

237918. *ACER CAESIUM* Wall. Aceraceae. **Maple.**

Col. No. 2588. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Mar. 7, 1957. Native of Himalaya.

237919. *AESCULUS HIPPOCASTANUM* L. Aesculaceae.
Common horsechestnut.

Col. No. 3589. 'Laciniata'. Pepinieres de Grand Trianon. Mar. 7, 1957. Tree typical.

237920. *CASTANEA SATIVA* Mill. Fagaceae. **European chestnut.**

Col. No. 3579. 'Heterophylla'. Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Tree to 30 feet high; cutleaf variation.

237921. \times *PYRACOMELES VILMORINII* Rehder Malaceae.Col. No. 3585. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Mar. 7, 1957. (A bigeneric hybrid, *Pyracantha* \times *Osteomeles*.) Bush to three feet high.**237922.** *TILIA MIQUELIANA* Maxim. Tiliaceae. **Linden.**

Col. No. 2587. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson. Seine-et-Oise. Mar. 7, 1957.

237923. *ENSETE EDULE* (Gmel.) Horan. Musaceae.

From France. Plant collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 14, 1957.

Col. No. 3590. 'Maurellii'. Grand Trianon a Chateau Neuf, Versailles. Ornamental type; leaves dark red.

237924 and 237925. *TRIFOLIUM FRAGIFERUM* L. Fabaceae.
Strawberry clover.

From Australia. Seeds presented by the Pasture Specialist, Millicent, South Australia. Received Mar. 14, 1957.

237924. 'O'Connors'.**237925.** 'Palestine'.**237926.** *TRIFOLIUM REPENS* L. Fabaceae. **White clover.**

From Australia. Seed presented by the Commonwealth Scientific and Industrial Organization, Canberra. Received Mar. 13, 1957.

'Australian Irrigation'.

237927. SECALE CEREALE L. Poaceae.**Rye.**

From Brazil. Seed presented by Harold Goransson, Carazinko, Rio Grande do Sul. Received Mar. 13, 1957.

Common type.

237928 to 237970.

From Central America. Plant material collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 18, 1957.

Collected in Guatemala unless otherwise noted, Feb. 25 to Mar. 9, 1957.

237928. DIOSCOREA sp. Dioscoreaceae.

Col. No. 6. Finca Monte Bella de Santo Cristobal Alvarado, across valley from Santiagito Volcano. Leaves large, shiny; tubers large; skin gray; flesh white.

237929. DIOSCOREA sp.

Col. No. 7. Along road to Mazatenango from Bolivia. Vines large, thick, vigorous; tubers long, slender, perpendicular.

237930 to 237937. DIOSCOREA FLORIBUNDA Mart. & Gal.**Yam.**

Collected in southwest Guatemala.

237930. Col. No. 9. Single plant; flesh yellow.

237931. Col. No. 10. Single plant; tubers small, flesh yellow.

237932. Col. No. 11. Tubers large; flesh yellow.

237933. Col. No. 12. Single plant; tubers small; flesh yellow.

237934. Col. No. 13. Tubers small; flesh yellow.

237935. Col. No. 14. Tubers medium to large; flesh yellow.

237936. Col. No. 15. Tubers small; flesh yellow.

237937. Col. No. 16. Single plant; flesh white.

237938. DIOSCOREA CONVULVULACEA Cham. & Schlecht.**Yam.**

Col. No. 17.

237939. DIOSCOREA sp.

Col. No. 23.

237940. PHILODENDRON sp. Araceae.

Col. No. 24. Near ocean, below La Hulera. Excellent ornamental. (Cuttings.)

237941. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.**Yam.**

Col. No. 25 & 26. Finca Panama, near Patalul. Tubers large; flesh yellow.

237942. DIOSCOREA sp.

Col. No. 28. Tubers large; flesh yellow.

237943. PHILODENDRON sp. Araceae.

Col. No. 29. Near Finca Monte Bello, above San Sebastian. (Cuttings.)

237944. BEGONIA sp. Begoniaceae.

Col. No. 30. Near Finca Monte Bello. Deep shade; leaves pale green.

237945. (Undetermined.)

Col. No. 32. Near Finca Monte Bello, north of San Sebastian. Epiphyte; leaves broad.

237946. DIOSCOREA sp. Dioscoreaceae.

Col. No. 33. Finca Monte Bello, north of San Sebastian. (Tuber.)

237928 to 237970—Continued

237947 to 237952. *DIOSCOREA FLORIBUNDA* Mart. & Gal.

237947. Col. No. 35. Pullin's Finca Rio Seco. Tubers; flesh yellow.

237948. Col. No. 36. Pullin's Finca Rio Seco, sandy soil near coast below Democracia. Tubers.

237949. Col. No. 37. Pullin's Finca Rio Seco. Tubers; flesh yellow.

237950. Col. No. 38. Pullin's Finca Rio Seco. Tubers; flesh yellow.

237951. Col. No. 39. Cooperacion Agricola Industrial Guatemalteca. Tubers medium to small.

237952. Col. No. 40. Pullin's Finca Rio Seco.

237953. *ARISTOLOCHIA GRANDIFLORA* Sw. Aristolochiaceae.

Col. No. 46. 'Flor de Pato'. Finca La Hulera, Cuyotenango.

237954. *DESMODIUM GYROIDES* DC. Fabaceae.

Beggarweed.

Col. No. 44. Finca La Hulera, Turrialba, Costa Rica. Originally from Ceylon, 1952. (Seeds.)

237955. *DESMODIUM OVALIFOLIUM* Guill. & Perr.

Beggarweed.

Col. No. 43. Finca La Hulera, Turrialba, Costa Rica. (Seeds.)

237956. *DIOSCOREA CONVULVULACEA* Cham. & Schl. Dioscoreaceae. **Yam.**

Col. No. 8. Road to Mazatenango below La Hulera. Seeds from ripe and dried fruit; root shallow, roundish.

237957. *DIOSCOREA ESCULENTA* (Lour.) Burkill.

Lesser yam.

Col. No. 21. Road to Mazatenango, southwest Guatemala. (Seeds.)

237958. *DIOSCOREA FLORIBUNDA* Mart. & Gal.

Yam.

Col. No. 27. Area beyond Rio Seco.

237959. *DIOSCOREA* sp.

Col. No. 6. Finca Monte Bella de Santo Cristobal, Alvarado, across valley from Santiagito Volcano. (Seeds.)

237960. *DIOSCOREA* sp.

Col. No. 17. Road to Mazatenango, southwest Guatemala. Plant much branched; roots shallow; tubers small; flesh white, brittle. (Seeds.)

237961. *DIOSCOREA* sp.

Col. No. 18. Road to Mazatenango. (Seeds.)

237962. *DIOSCOREA* sp.

Col. No. 19. Road to Mazatenango. (Seeds.)

237963. *DIOSCOREA* sp.

Col. No. 20. Road to Mazatenango. (Seeds.)

237964. *DIOSCOREA* sp.

Col. No. 22. Road to Mazatenango. (Seeds.)

237965. *DIOSCOREA* sp.

Col. No. 23. Road from Retalhuleu to Champerico, Guatemala. (Seed.)

237966. *ERYTHRINA* sp. Fabaceae.

Col. No. 34. Near Finca Monte Bello, north of San Sebastian, Suchitepequez. Elevation 4,500 feet. (Seed.)

237967. *EUPHORBIA PULCHERRIMA* Willd. Euphorbiaceae.

Poinsettia.

Col. No. 5. Finca La Damnica, Turrialba, Costa Rica. (Seeds.)

237928 to 237970—Continued**237968.** *HELICONIA* sp. Musaceae.

Col. No. 47. Near ocean below Finca La Hulera, Cuyotenango. (Seeds.)

237969. *MUCUNA* sp. Fabaceae.

Col. No. 42. Finca La Hulera, Cuyotenango. (Seeds.)

237970. *SESBANIA* sp. Fabaceae.

Col. No. 45. Bridge across Moca River, Pan American Highway, Guatemala.

237971. *DIOSCOREA* sp. Dioscoreaceae.

From the United States. Seeds collected by E. P. Imle, agricultural explorer, Plant Introduction Station, Crops Research Division, Beltsville, Md. Received Apr. 17, 1957.

Plant wild; collected near Paint Branch, Beltsville, Apr. 7, 1957.

237972. *PRUNUS SERRULATA* Lindl. Amygdalaceae.**Oriental flowering cherry.**

From the United States. Plant growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Mar. 21, 1957.

'Kwanzan'. B-44452. A virus-free strain.

237973. *SOLANUM TUBEROSUM* L. Solanaceae.**Potato.**

From Japan. Tubers presented by the Hokkaido Agricultural Experiment Station, Kotoni, Sapporo. Received Mar. 15, 1957.

'Ekishirazu'. Highly resistant to late blight.

237974 to 237979. *DACTYLIS GLOMERATA* L. Poaceae.**Orchardgrass.**

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received Mar. 15, 1957.

237974. FAO-3771.**237977.** FAO-3778.**237985.** FAO-3774.**237978.** FAO-3779.**237976.** FAO-3775.**237979.** FAO-3781.**237980 to 237984.**

From Costa Rica. Collected by Bernice Schubert and E. P. Imle, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 18, 1957.

237980. *DIOSCOREA* sp. Dioscoreaceae.

Col. No. 1392. La Suiza (Finca Adams). Feb. 25, 1957. Vines around coffee tree; tubers elongate, quadrate.

237981. *DIOSCOREA* sp.

Col. No. 1393. La Suiza (Finca Adams). Feb. 25, 1957. Vine with capsules of previous season. (Tubers.)

237982. *DIOSCOREA CONVOLVULACEA* subsp. *ESURIENTUM* (Cham. & Schlecht.) Uline ex Knuth

Col. No. 1394. La Suiza (Finca Adams). Feb. 25, 1957. Vine; stems purplish, thick; tuber close to surface.

237983. *BEGONIA LINDLEYANA* Walp. Begoniaceae.

Col. No. 1398. Outside of Cartago. Feb. 24, 1957. Herb; flowers pink. (Seeds.)

237984. *DIOSCOREA* sp. Dioscoreaceae.

Col. No. 1393. La Suiza. Feb. 25, 1957. (Seeds.)

237985. MOMORDICA CHARANTIA L. Cucurbitaceae. Balsam-pear.

From Korea. Seeds presented by the Agricultural Technics Division of the Korean Horticultural Federation, Seoul. Received Mar. 19, 1957.

237986 and 237987.

From Sierra Leone. Seeds presented by the West African Rice Research Station, Rokupr. Received Mar. 19, 1957.

237986. *ORYZA BRACHYANTHA* A. Chev. & Roehr. Poaceae. **Rice.**

237987. *ORYZA STAFFII* Roschev. **Rice.**

237988. HORDEUM sp. Poaceae.

From Great Britain. Seeds presented by the Welsh Plant Breeding Station, Aberystwyth, Wales. Received Mar. 19, 1957.

'Spratt Archer'.

237989. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.

From Mozambique. Seed presented by Morris Mandelowitz, New York. Received Mar. 19, 1957.

'Piri Piri'.

237990. PHYLLOSTACHYS MAKINOI Hayata Poaceae. Bamboo.

From China. Plants presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received Apr. 16, 1957.

Plant runner to 50 feet high; resembles *P. bambusoides*; may be a source for paper pulp.

237991 to 238007.

From Guatemala. Collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received Mar. 18, 1957. Collected Mar. 13-14, 1957.

237991. *EPIDENDRUM* sp. Orchidaceae.

Col. No. 54. Patulul. Epiphyte. (Bulbs.)

237992 to 237999. *DIOSCOREA FLORIBUNDA* Mart. & Gal. Dioscoreaceae.

Yam.

(Tubers.)

237992. Col. No. 48. Patulul.

237993. Col. No. 49. Patulul.

237994. Col. No. 52. Finca Panamo, near Patulul.

237995. Col. No. 53. Near Patulul.

237996 to 237999. Collected below Mazatenango.

237996. Col. No. 56.

237998. Col. No. 58A.

237997. Col. No. 57A.

237999. Col. No. 59A.

238000. *EPIDENDRUM ATROPURPUREUM* Willd. Orchidaceae.

Col. No. 51. Patulul. Flowers pink-lipped. (Plant.)

238001 to 238005. *DIOSCOREA FLORIBUNDA* Mart. & Gal. Dioscoreaceae.

Yam.

(Seeds.)

238001. Col. No. 48. Patulul.

238004. Col. No. 55. Finca Panama.

238002. Col. No. 49. Patulul.

238005. Col. No. 60A. Below Mazatenango.

238003. Col. No. 53. Patulul.

237991 to 238007—Continued

238006. EPIDENDRUM ATROPURPUREUM Willd. Orchidaceae.

Col. No. 51. Patulul. Flowers pink-lipped. (Seeds.)

238007. SPADNUS sp. Sapindaceae.

Col. No. 50. Patulul. Tree, medium-size.

238008 to 238045.

From Europe. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 18, 1957.

Unless otherwise noted, material was received as scions and was collected at the Arboretum des Barres, Nogent-sur-Vernisson, Loiret, France. Mar. 10 and 11, 1957.

238008. ABIES NUMIDICA De Lannoy ex Carr. Pinaceae. **Algerian fir.**
Col. No. 3606. 'Pendula'.

238009. ABIES PINSAPO Boiss. **Spanish fir.**

Col. No. 3603. 'Pyramidata'. Tree pyramidal in shape; branches dense, not spreading, upright.

238010. ABIES RECURVATA Masters **Fir.**

Col. No. 3591. Soil thin, acid, sandy.

238011. ALNUS ORIENTALIS Dene. Betulaceae. **Alder.**

Col. No. 3598. Tree to 50 feet high.

238012. BETULA MEDWEDIEWII Regel Betulaceae. **Birch.**

Col. No. 3595. Tree to 20 feet high, spreading.

238013. BUXUS SEMPERVIRENS L. Buxaceae. **Common box.**

Col. No. 3623. 'Argenteo-variegata'. Raymond Chenault Nursery, Clos Fleuri, Orleans, Loiret. Shrub to 12 feet high; leaves green, margins white.

238014. CARPINUS FARGESIANA Winkler Betulaceae. **Hornbeam.**

Col. No. 3607. Tree small.

238015. CEDRUS DEODARA (Lam.) Loud. Pinaceae. **Deodar cedar.**

Col. No. 3596. 'Pendula Nana'. Shrub nearly prostrate; useful for rock gardens.

238016. CERCIS SILIQUASTRUM L. Caesalpiniaceae. **Judas-tree.**

Col. No. 3616. 'Album'. Raymond Chenault Nursery, Orleans, Loiret. Tree to 25 feet high; color white.

238017. CRATAEGUS OXYACANTHA L. Malaceae. **English hawthorn.**

Col. No. 3624. 'Horizontalus'. Raymond Chenault Nursery, Orleans, Loiret. Tree small; branches horizontally spreading; flowers white.

238018. CRYPTOMERIA JAPONICA (L.f.) D. Don Pinaceae.

Col. No. 3617. 'Vilmoriniana'. Raymond Chenault Nursery, Orleans, Loiret.

238019. FAGUS SYLVATICA L. Fagaceae. **European beech.**

Col. No. 3605. Tree with tortuous, pendulous branches.

238020. GLEDITSIA TRIACANTHOS L. Caesalpiniaceae. **Common honeylocust.**

Col. No. 3608. 'Elegantissima'. Small shrub of dense habit; leaves variegated.

238021. HEPATICA TRILOBA Chaix Ranunculaceae.

Col. No. 3639. Rocky grassy hillside near San Sebastian, Spain. Soil acid, sandy, well drained. Flowers white.

238008 to 238045—Continued

- 238022.** *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**
Col. No. 3612. 'Leptacantha'. Pistillate tree.
- 238023.** *LIQUIDAMBAR ORIENTALIS* Mill. Hamamelidaceae. **Sweetgum.**
Col. No. 3611. Tree small.
- 238024.** *LITHOSPERMUM DIFFUSUM* Lag. Boraginaceae.
Col. No. 3637. Rocky hillside above sea, Pesajes de San Juan, Province Guipuzcoa, Spain. Plant prostrate; flowers intense blue; ornamental. Excellent rock garden plant.
- 238025.** *MAGNOLIA DAWSONIANA* Rehd. & Wils. Magnoliaceae.
Col. No. 2593. Small, multi-branched tree; flowers pink. Probably hardy on U.S. Pacific Coast.
- 238026 and 238027.** *MAGNOLIA SARGENTIANA* Rehd. & Wils.
238026. Col. No. 3592. 'Robusta'. Tree to 20 feet high. (Cuttings.)
238027. Col. No. 3602. (Scions.)
- 238028.** *MALUS SYLVESTRIS* Mill. Malaceae. **Common apple.**
Col. No. 2601. 'Elisa Ratkee'. Tree small; branches pendulous.
- 238029.** *NARCISSUS BULBOCODIUM* var. *CITRINUS* Baker Amaryllidaceae.
Col. No. 3640. Beyond Pesajes de San Juan, Spain. Bulbous perennial; flowers chartreuse, abundant.
- 238030.** *OSMANTHUS* × *FORTUNEI* Carr. Oleaceae.
Col. No. 3619. Raymond Chenault Nursery, Orleans, Loiret. Evergreen shrub.
- 238031.** *PICEA LIKIANGENSIS* (Franch.) E. Pritz. Pinaceae. **Spruce.**
Col. No. 3609. Small tree.
- 238032.** *PINUS SYLVESTRIS* L. Pinaceae. **Scotch pine.**
Col. No. 3613. 'Variegata'.
- 238033.** *PLATYCARYA STROBILACEA* Sieb. & Zucc. Juglandaceae.
Col. No. 3599. Small tree; seed pods conelike.
- 238034.** *POPULUS TREMULA* L. Salicaceae. **European aspen.**
Col. No. 3610. 'Pendula'. Tree with pendulous branches.
- 238035.** *PRUNUS CERASIFERA* Ehrh. Amygdalaceae. **Myrobalan plum.**
Col. No. 3594. Small tree; flowers white.
- 238036.** *PRUNUS MUME* Sieb. & Zucc. **Japanese apricot.**
Col. No. 3622. 'Alphandii'. Small deciduous tree; flowers double, pink. Garden origin.
- 238037.** *PRUNUS SUBHIRTILLA* Miq. **Higan cherry.**
Col. No. 3600. 'Pendula'. Tree small, pendulous; flowers deep pink, single.
- 238038.** *RIBES SANGUINEUM* Pursh Grossulariaceae. **Winter currant.**
Col. No. 3620. 'Albidum'. Raymond Chenault Nursery, Orleans, Loiret. Shrub; flowers white, tinged pink.
- 238039.** *SCILLA VERNA* Huds. Liliaceae. **Squill.**
Col. No. 3638. Sandy, moist soil along main road between Irun and San Sebastian, Spain. Perennial; flowers azure blue.
- 238040.** *SYCOPSIS SINENSIS* Oliver Hamamelidaceae.
Col. No. 3604. Small, spreading, evergreen shrub; flowers yellowish, stamens green; apetalous.

238008 to 238045—Continued

- 238041.** TAMARIX PENTANDRA Pall. Tamaricaceae. **Tamarix.**
Col. No. 3627. Raymond Chenault Nursery, Orleans, Loiret. Flowers early, pink.
- 238042.** TILIA TOMENTOSA Moench. Tiliaceae. **Silver linden.**
Col. No. 3597. 'Pendula'. Deciduous tree, ends of branches pendulous.
- 238043.** TILIA sp.
Col. No. 3626. Raymond Chenault Nursery, Orleans, Loiret. Tree deciduous, to 30 feet high; leaves and flowers large. Seed originally from China.
- 238044.** VIBURNUM AWABUKII K. Koch Caprifoliaceae.
Col. No. 3614. Raymond Chenault Nursery, Orleans, Loiret. Evergreen shrub. Native to Japan.
- 238045.** PLATYCARYA STROBILACEA Sieb. & Zucc. Juglandaceae.
Col. No. 3599.

238046 to 238063.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered Mar. 19, 1957.

Presented by the University of California, Davis, Calif.

Localities given are the sources.

- 238046 to 238053.** CAPSICUM CHINENSE Jacq. Solanaceae.
- 238046.** No. 1266. Department of Agriculture, British Guiana.
- 238047.** No. 1269. Department of Agriculture, British Guiana.
- 238048.** No. 1491. Gentry Division, Consolidated Foods Corporation, Peru.
- 238049.** No. 1493. Gentry Division, Consolidated Foods Corporation, Peru.
- 238050.** No. 1541. Cochabamba, Bolivia.
- 238051.** No. 1627. Peru.
- 238052.** No. 1631. Peru.
- 238053.** No. 1774. Agricultural Experiment Station, Rio Piedras, Puerto Rico.
- 238054 to 238057.** CAPSICUM FRUTESCENS L. **Redpepper.**
- 238054.** No. 1568. Costa Rica.
- 238055.** No. 1585. Nicaragua.
- 238056.** No. 1614. Costa Rica.
- 238057.** No. 1635. Guatemala.
- 238058.** CAPSICUM CHINENSE Jacq.
No. 1643. Guatemala.
- 238059 and 238060.** CAPSICUM FRUTESCENS L. **Redpepper.**
- 238059.** No. 1651. Guatemala.
- 238060.** No. 1738. Agricultural Experiment Station, Suriname, Dutch Guiana.
- 238061.** CAPSICUM MICROCARPUM Cav.
No. 1553. Cochabamba, Bolivia.
- 238062 and 238063.** CAPSICUM PENDULUM Willd.
- 238062.** Experiment Station, Pelotas, Rio Grande do Sul, Brazil.
- 238063.** Indiana University, Bloomington, Indiana. Originally from Peru.

238064 to 238073. DIANTHUS (hybrids). Silenaceae.

From Great Britain. Cuttings purchased from the Allwood Brothers, Ltd., Haywards Heath, Sussex, England. Received Mar. 19, 1957.

238064. 'Allwoods's Market Evening'.

238065. 'Allwoods's Market Morning'.

238066. 'Bonnie Charlie'.

238067. 'Doris Allwood'.

238068. 'Happy Arthur'.

238069. 'Monty's Pak Rose'.

238070. 'Pelargonium'.

238071. 'Queen Mother'.

238072. 'Royal Crimson'.

238073. 'Royal Harlequin'.

238074 to 238080.

From Sweden. Scions presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received Mar. 19, 1957.

238074 and 238075. *MALUS SYLVESTRIS* Mil. Malaceae. **Common apple.**

238074. 'Mio'.

238075. 'Snovit'.

238076 to 238078. *PRUNUS AVIUM* L. Amygdalaceae. **Sweet cherry.**

238076. 'Allman Svart Bigarra'.

238077. Pr. 20621 2n-32.

238078. 2n-32.

238079. *PRUNUS* sp.

'Malarplommon'.

238080. *PRUNUS* sp.

'Tunaplommon'

238081 to 238086. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Belgium. Tubers presented by the Station de Recherches de l'Etat, Libramont. Received Mar. 20, 1957.

238081. 'Apta'.

238084. 'Fortuna'.

238082. 'Augusta'.

238085. 'Pimpernel'.

238083. 'Forelle'.

238086. 'Zeeburget'.

238087 to 238099.

From Morocco. Presented by the Institut Scientifique Cherifien, Rabat. Received Mar. 20, 1957.

238087 to 238090. Bulbs.

238087. *NARCISSUS BULBOCODIUM* L. Amaryllidaceae. **Petticoat daffodil.**
'Zaianicus'.

238088. *NARCISSUS ELEGANS* var. *OXYPETALUS* (Boiss.) Maire

238089. *NARCISSUS SEROTINUS* L.

238090. *NARCISSUS TAZETTA* ssp. *PAPYRACEUS* (Ker) Baker

238091 to 238099. Seeds.

238091. *CALENDULA ALGERIENSIS* Boiss. & Reut. Asteraceae.

238092. *CALENDULA SUFFRUTICOSA* var. *BALANSAE* (Boiss. & Reut.) Maire.

238087 to 238099—Continued**238091 to 238099—Continued**

238093. *CYTISUS ALBIDUS* DC. Fabaceae. **Broom.**
 238094. *CYTISUS ARBOREUS* ssp. *BAETICUS* (Webb) Maire **Broom.**
 238095. *CYTISUS ARBOREUS* (Desf.) DC. **Broom.**
 238096. *CYTISUS LINIFOLIUS* var. *ANGUSTIFOLIUS* (Webb & Berth.) Brig. **Broom.**
 238097. *CYTISUS MONSPESSULANUS* var. *UMBELLULATUS* (Webb) Brig. **Broom.**
 238098. *HYPERICUM PERFORATUM* L. Hypericaceae. **Common St-Johns-wort.**
 238099. *NARCISSUS TAZETTA* ssp. *PAPYRACEUS* (Ker) Baker **Amaryllidaceae.**

238100 to 238107.

From Great Britain. Trees purchased from Hillier & Sons, Winchester. Received Mar. 20, 1957.

238100. *ACER CAUDATUM* var. *UKURUNDUENSE* (Trautv. & Meyer) Rehd. **Maple.**
 Aceraceae. **Boxelder.**
 238101. *ACER NEGUNDO* L. **Boxelder.**
 'Auratum'.
 238102. *ACER PALMATUM* Thunb. **Japanese maple.**
 'Flavescens'.
 238103. *ACER RUFINERVE* Sieb. & Zucc. **Maple.**
 'Albo-limbatum'.
 238104. *CYTISUS* × *DALLIMOREI* Rolfe Fabaceae. **Broom.**
 238105. *CYTISUS NIGRICANS* L. **Spike broom.**
 238106. *FRAXINUS PAXIANA* Lingelsh. Oleaceae. **Pax ash.**
 238107. *SALIX RETICULATA* L. Salicaceae. **Willow.**

238108 and 238109. GLYCINE TOMENTOSA Benth. Fabaceae.

From the Ryukyu Islands. Seeds presented by the United States Civil Administration of the Ryukyu Islands. Received Mar. 20, 1957.

238108. Ie Island. (Black.)
 238109. Miyako Island. (White.)

238110. VIGNA VEXILLATA (L.) A. Rich. Fabaceae. Cowpea.

From the Belgian Congo. Seed presented by the Division of Botany, Institut National pour l'Etude Agronomique du Congo Belge, Yangambi. Received Mar. 20, 1957.

Collected from the Nioku region.

238111. GOSSYPIUM (hybrid). Malvaceae. Cotton.

From Peru. Seeds presented by F. C. Hoffmann, Lima. Received Mar. 30, 1957.

'Tanguis'.

238112. INDIGOFERA ENDECAPHYLLA Jacq. Fabaceae.

Creeping Indigo.

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agrícolas, Turrialba. Received Mar. 21, 1957.

238113 and 238114. ORYZA SATIVA L. Poaceae. Rice.

From Japan. Seeds presented by the National Institute of Agricultural Science, Hiratsuka. Received Mar. 21, 1957.

238113. T1-41. (Tetraploid.)

238114. T1-47. (Tetraploid.)

238115 and 238116.

From Denmark. Seed presented by the Botanic Garden, Copenhagen. Received Mar. 21, 1957.

238115. DATURA STRAMONIUM L. Solanaceae.

238116. IPOMOEA TRILOBA L. Convolvulaceae. **Morning-glory.**

238117 to 238119. ORYZA SATIVA L. Poaceae. Rice.

From Australia. Seed presented by the Department of Agriculture, New South Wales. Received Mar. 21, 1957.

238117. 'Caloro'. (Late.) 238119. 'Colusa 180'.

238118. 'Caloro- No. 2.'

238120. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae. Chileo Strawberry.

From Chile. Plants presented by the Ministry of Agriculture, Santiago. Received Mar. 21, 1957.

238121 to 238139. ALBIZZIA LEBBECK (L.) Benth. Mimosaceae.

From French West Africa. Seeds presented by the Director Generale des Services Economiques, Bombay, Senegal. Received Mar. 22, 1957.

238121. No. 1.

238131. No. 11.

238122. No. 2.

238132. No. 12.

238123. No. 3.

238133. No. 13.

238124. No. 4.

238134. No. 14.

238125. No. 5.

238135. No. 15.

238126. No. 6.

238136. No. 16.

238127. No. 7.

238137. No. 17.

238128. No. 8.

238138. No. 18.

238129. No. 9.

238139. No. 19.

238130. No. 10.

238140 to 238159.

From Turkey. Seeds presented by the International Cooperation Administration, Ankara. Received Mar. 22, 1957.

238140. ASTRAGALUS sp. Fabaceae.

Igdir State Seed Increase Farm, Hatay.

238141. ASTRAGALUS sp.

Erzurum.

238142. CORONILLA VARIA L. Fabaceae.

Crownvetch.

Erzurum.

238143. DORYCNIUM sp. Fabaceae.

West of Erzurum.

238144. MEDICAGO ORBICULARIS (L.) All. Fabaceae.

Buttonclover.

West of Eskisehir.

238140 to 238159—Continued

- 238145 to 238153.** *MEDICAGO SATIVA* L. **Alfalfa.**
238145. No. 1. North of Tunceli.
238146. No. 2. Sivas.
238147. No. 3. North of Tunceli.
238148 to 238152. Horticultural Station, Sivas.
238148. No. 4. **238151.** No. 7.
238149. No. 5. **238152.** No. 8.
238150. No. 6.
238153. No. 9. West of Erzurum.
- 238154.** *TRIFOLIUM AMBIGUUM* Bieb. Fabaceae. **Kura clover.**
 Erzurum.
- 238155.** *TRIFOLIUM FRAGIFERUM* L. **Strawberry clover.**
 Sultansuyu Hara, near Malatya.
- 238156.** *TRIFOLIUM MENEGHINIANUM* Clem. **Clover.**
 Gelemen Experiment Station, Samsun.
- 238157.** *TRIFOLIUM PRATENSE* L. **Red clover.**
 East of Ardahan.
- 238158.** *TRIFOLIUM CAMPESTRE* Schreb. **Clover.**
 Sultansuyu Hara, Malatya.
- 238159.** *TRIFOLIUM ALEXANDRINUM* L. **Berseem clover.**
 Sultansuyu Hara, Malatya.
- 238160.** *GOSSYPIUM RAIMONDII* Ulbrich Malvaceae. **Cotton.**
 From Peru. Seeds presented by the Agricultural Attache, American Embassy,
 Lima. Received Mar. 25, 1957.
- 238161 to 238174.**
 From Great Britain. Plants purchased from Hillier & Sons, Winchester, Eng-
 land. Received Mar. 25, 1957.
- 238161.** *ACER LOBELII* Ten. Aceraceae. **Maple.**
- 238162.** *ACER WILSONII* Rehder **Maple.**
- 238163 and 238164.** *AESCULUS CHINENSIS* Bunge Aesculaceae. **Buckeye.**
238163. No. 1.
238164. No. 2.
- 238165.** *CYTISUS BEANII* Nichols. Fabaceae. **Broom.**
- 238166.** *FRAXINUS EXCELSIOR* L. Oleaceae. **European ash.**
 'Aurea'.
- 238167 and 238168.** *LABURNUM ANAGYROIDES* Medic. Fabaceae. **Goldenchain.**
- 238167.** 'Quercifolium'.
- 238168.** 'Serotinum'.
- 238169.** *MALUS TRILOBATA* (Labiil.) Schneid. Malaceae. **Apple.**
- 238170.** *POPULUS* × *CANADENSIS* Moench. Salicaceae. **Poplar.**
 'Aurea'.

238161 to 238174—Continued

238171 and 238172. *POPULUS TREMULA* L. **European aspen.**

238171. Typical form.

238172. 'Pendula'.

238173. *SALIX LANATA* L. Salicaceae. **Willow.**

238174. *ULMUS* × *HOLLANDICA* Mill. Ulmaceae. **Dutch elm.**

'Serpentina'.

238175 to 238193. *ORYZA SATIVA* L. Poaceae. **Rice.**

From India. Seeds presented by the Chinsura Rice Research Station, Chinsura, West Bengal. Received Mar. 25, 1957.

238175 to 238183. Aman (winter paddy).

238175. 'Bhasamanik'. **238180.** 'Nagra'.

238176. 'Dudshar'. **238181.** 'Nehali'.

238177. 'Jhingasail'. **238182.** 'Rupsail'.

238178. 'Kaima 222'. **238183.** 'Sitasail'.

238179. 'Latisail'.

238184 and 238185. Aus (autumn paddy).

238184. 'Charnock'.

238185. 'Dharial'.

238186 and 238187. Coarse paddy varieties.

238186. 'Kumragour'.

238187. 'Tilakkachari'.

238188 to 238193. Fine paddy.

238188. 'Badshahbhog'. **238191.** 'Golapsaru'.

238189. 'Baktulshi'. **238192.** 'Kaminisaruru'.

238190. 'Chamarmumi'. **238193.** 'Randhuni Pagal'.

238194. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received Mar. 27, 1957.

I.C.A. 38.

238195. *ULMUS WALLICHIANA* Planch. Ulmaceae. **Elm.**

From the Netherlands. Scions presented by H. M. Heybrock, Wageningen. Numbered Mar. 29, 1957.

238196 and 238197. *LINUM USITATISSIMUM* L. Linaceae. **Common flax.**

From Korea. Seeds presented by the Central Agricultural Experiment Station, Suwon. Received Mar. 29, 1957.

238196. 'Peynau'.

238197. 'Wiera'.

238198 to 238200. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 1, 1957.

238198. No. 583.

238199. No. 584.

238200. No. 585.

238201. PINUS NIGRA Arnold Pinaceae. Austrian pine.

From Great Britain. Scions presented by George Jackman & Son, Woking, Surrey, England. Received Mar. 25, 1957.

'Pygmaea'.

238202 to 238208.

From Colombia. Tubers presented by the Rockefeller Foundation, Kara, Bogota. Received Mar. 25, 1957.

238202 and 238203. SOLANUM TUBEROSUM Juz. & Buk. Solanaceae.

238202. No. 198. 'Algodona'.

238203. No. 939.

238204 and 238205. SOLANUM JUZEPCZUKII Buk.

238204. No. 483. Wild form.

238205. No. 484. Wild form.

238206 and 238207. SOLANUM MALINCHENSE Hawkes

238206. No. 72. Wild form.

238207. No. 605. Wild form.

238208. SOLANUM RYBINII Juz. & Buk.

No. 117. 'Chaucha'.

238209 and 238210.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 25, 1957.

238209. BERBERIS × CHENAULTII Chenault Berberidaceae. Barberry.

Col. No. 3625. Raymond Chenault Nursery, Orleans, Loiret.

238210. BERBERIS sp.

Col. No. 3618.

238211 to 238217.

From Nepal. Seeds presented by the United States Operations Mission, Katmandu. Received Mar. 25, 1957.

238211. ANDROPOGON sp. Poaceae.

No. 6.

238212. ARUNDO sp. Poaceae.

No. 7.

238213. CHRYSOPOGON sp. Poaceae.

No. 2.

238214. ERIANTHUS sp. Poaceae.

No. 1.

238215. ERIANTHUS sp.

No. 4.

238216. MISCANTHUS sp. Poaceae.

No. 5.

238217. MISCANTHUS sp.

No. 8.

238218 and 238219.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 26, 1957.

Collected at the Raymond Chenault Nursery, Orleans, Loiret. Mar. 11, 1957.

238218. *RUSCUS ACULEATUS* L. Convallariaceae.

Narrow-leaved butcher's-broom.

Col. No. 3630. 'Lanceolatus'. Plant from the wild.

238219. *STRANVAESIA DAVIDIANA* var. *UNDULATA* (Dcne.) Rehd. & Wils. Malaceae.

Col. No. 3631. 'Fructo-lutea'. Shrub; fruit yellow. (Seeds.)

238220. *CLYMENIA POLYANDRA* (Tanaka) Swingle Rutaceae.

From Australia. Seeds presented by Ed. Pollock, Parkes, New South Wales. Received Mar. 26, 1957.

Originally from New Ireland, Bismarck Archipelago.

238221 to 238384.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 26, 1957.

Localities given are the Australian sources.

238221. *ADESMIA MURICATA* (Jacq.) DC. Fabaceae.
No. 10548. France.

238222. *AGROPYRON ELONGATUM* (Host.) Beauv. Poaceae.

Tall wheatgrass.

No. 16022. Belgium.

238223. *AGROPYRON SEMICOSTATUM* (Steud.) Nees ex Boiss.

Drooping wheatgrass.

No. 13471. Japan.

238224. *AGROPYRON UGAMICUM* Drobov

Wheatgrass.

No. 13472. Sweden.

238225. *AGROPYRON SCABRIGLUME* (Hack.) Parodi

Wheatgrass.

No. 11765. Argentina.

238226. *AGROSTIS PALLIDA* With. Poaceae.

Bentgrass.

No. 15202. Spain.

238227. *ALOPECURUS UTRICULATUS* Banks & Solander Poaceae.

Foxtail.

No. 15552. Israel.

238228. *ANDROPOGON LATERALIS* Nees Poaceae.

Bluestem.

No. 11767. Paraguay.

238229. *ANDROPOGON PANICULATUS* Lam.

Bluestem.

No. 11770. Argentina.

238230. *ANTHOXANTHUM AMARUM* Brot. Poaceae.

No. 10431. Portugal.

238231. *ARRHENATHERUM PALAESTINUM* Boiss. Poaceae.

No. 15556. Israel.

238232. *ASTREBLA PECTINATA* (Lindl.) F. Muell. Poaceae.

Mitchell grass.

No. Q167. Queensland.

238233 *AXONOPUS ULEI* (Hack.) Swallen Poaceae.

Carpetgrass.

No. 11775. Brazil.

238221 to 238384—Continued

238234. *BOSSIAEA FOLIOSA* A. Cunn. Fabaceae.
No. C507. Southeast of Kiandra, New South Wales.
238235. *BOUTELOUA HETEROSTEGA* (Trin.) Griffiths Poaceae. **Gram.**
No. 12539. Cuba.
238236. *BRACHIARIA LATA* (Schumach.) Hubb. Poaceae.
No. 15363. Sudan.
238237. *BRACHIARIA RUZIZIENSIS* Germ. & C. Eurard Poaceae.
No. 18116. Belgian Congo.
238238. *BRACHYACHNE CONVERGENS* (F. Muell.) Stapf Poaceae.
No. C856. Three miles north of Katherine, Northern Territory.
238239. *BRACHYPODIUM RAMOSUM* (L.) Roem. & Schult. Poaceae. **Falsebrome.**
No. 15133. France.
238240. *BROMUS ARDUENNENSIS* Dum. Poaceae. **Brome.**
No. 13461. Sweden.
238241. *BROMUS ARENARIUS* Labill. Poaceae. **Brome.**
No. W209. Cranmore Park, West Australia.
238242. *BROMUS BREVIARISTATUS* Buckl. **Brome.**
No. 13462.
238243. *BROMUS BRIZAEFORMIS* Fisch. & Mey. **Quaking brome.**
No. 13463. Sweden.
- 238244 and 238245. *BROMUS* (hybrids). **Brome.**
238244. No. 11971. (*B. catharticus* × *B. hankeanus*) California.
238245. No. 11973. (*B. catharticus* × *B. stramineus*) California.
238246. *BROMUS DANTHONIAE* Trin. **Brome.**
No. 12967. Russia.
238247. *BROMUS* (hybrid). **Brome.**
No. 11974. (*B. hankeanus* × *stramineus*) California.
238248. *BROMUS POLYANTHUS* Scribn. **Brome.**
No. 2360. The Netherlands.
238249. *BROMUS RAMOSUS* Huds. **Brome.**
No. 13464. Sweden.
238250. *BROMUS SITCHENSIS* Trin. **Brome.**
No. 10614. Australia.
238251. *BROMUS STAMINEUS* Desv. **Brome.**
No. W319. West Australia.
238252. *CASSIA ARTEMISIOIDES* Gaud. Caesalpiniaceae. **Wormwood senna.**
No. W528. South of Lake Austin, West Australia.
238253. *CASSIA PLEUROCARPA* F. Muell. **Senna.**
No. W495. North of Perenjori, East Australia.
238254. *CASSIA STURTHII* R. Br. **Senna.**
No. Q253. Queensland.
238255. *CATAPODIUM PATENS* (Brot.) Rothm. & P. Silva Poaceae.
No. 13569. Portugal.

238221 to 238384—Continued

- 238256.** *CATAPODIUM TENELLUM* Husnot.
No. 14398. Portugal.
- 238257.** *CATAPODIUM TUBERCULOSUM* Moris
No. 7621. France.
- 238258.** *CHLORIS ACICULARIS* Lindl. Poaceae.
No. C582. Northern Territory, Australia.
- 238259.** *CHLORIS MYRIOSTACHYA* Hochst.
No. 17657. Kenya.
- 238260.** *CHLORIS PECTINATA* Benth.
No. C611. North of Alice Springs, Northern Territory, Australia.
- 238261.** *CHLORIS PILOSA* Schumach.
No. 17094. Nigeria.
- 238262.** *CHLORIS SCARIOSA* F. Muell.
No. C595. Northern Territory, Australia.
- 238263.** *CLIANTHUS FORMOSUS* (G. Don) Ford & Vickery Fabaceae. **Parrotbeak.**
No. C779. South Australia.
- 238264.** *CROTALARIA BROWNEI* Bert. Fabaceae.
No. 13377. Ceylon.
- 238265.** *CROTALARIA GRAHAMIANA* Wight & Arn.
No. 13378. Ceylon.
- 238266.** *CROTALARIA INTERMEDIA* Kotschy **Slender crotalaria.**
Queensland, Australia.
- 238267.** *CROTALARIA RETUSA* L.
No. 17180. Nigeria.
- 238268.** *CROTALARIA SERICEA* Retz.
Queensland, Australia.
- 238269.** *CROTALARIA TRIFOLIASTRUM* Willd.
No. C726. Northern Territory, Australia.
- 238270.** *CROTALARIA* sp.
No. W545. East of Mechatharra, Australia.
- 238271.** *CUTANDIA MARITIMA* Benth. Poaceae.
No. 10692. Portugal.
- 238272.** *CYMOPOGON EXALTATUS* (R. Br.) A. Camus Poaceae.
No. Q206. Queensland.
- 238273.** *TRICHOLAENA REPENS* (Willd.) Hitchc. Poaceae. **Natal grass.**
No. 17762. Kenya.
- 238274.** *CYNOSURUS ELEGANS* Desf. Poaceae.
No. 14797. Israel.
- 238275.** *CYPHOLEPIS YEMENICA* Chiov. Poaceae.
No. 17660. Kenya.
- 238276.** *DACTYLOCTENIUM RADULANS* Beauv. Poaceae.
No. Q254. Queensland, Australia.

238221 to 238384—Continued

- 238277.** *DANTHONIA BIPARTITA* F. Muell. Poaceae.
No. C612. Northern Territory, Australia.
- 238278.** *DANTHONIA CAESPITOSA* Gaudich.
No. C543. Paes, Southern Australia.
- 238279.** *DANTHONIA CURVA* Nees
No. 16772. South Africa.
- 238280.** *DANTHONIA FRIGIDA* Vickery
No. C520. Mount Kosciusko, Australia.
- 238281.** *DANTHONIA SETACEA* R. Br.
No. W606. Western Australia.
- 238282.** *DANTHONIA SEMIANNULARIS* (Labill.) R. Br. **Wallaby grass.**
No. N480. Regional Laboratory, Deniliquin, New South Wales, Australia.
- 238283.** *DANTHONIA STRICTA* Schrad.
No. 16257. South Africa.
- 238284.** *DICHANTHIUM SERICEUM* (R. Br.) A. Camus Poaceae.
No. C610. North of Alice Springs, Northern Territory, Australia.
- 238285.** *DICHANTHIUM SUPERCILIATUM* (Hack.) A. Camus.
No. C850. Katherine, Northern Territory, Australia.
- 238286.** *DIGITARIA BROWNEI* (Roem. & Schult.) Hughes Poaceae. **Crabgrass.**
No. C576. Northern Territory, Australia.
- 238287.** *DIGITARIA COENICOLA* (F. Muell.) Hughes **Crabgrass.**
No. C608. Northern Territory, Australia.
- 238288.** *DIGITARIA IBURUA* Stapf **Crabgrass.**
No. 17307. Nigeria.
- 238289.** *DIGITARIA PENTZII* Stent **Crabgrass.**
No. 2007. South Africa.
- 238290.** *DIGITARIA SWAZILANDENSIS* Stent **Crabgrass.**
No. 16665. Southern Rhodesia.
- 238291.** *DORYCNIUM RECTUM* (L.) Ser. Fabaceae.
No. 12433. Portugal.
- 238292.** *ECHINOCHLOA POLYSTACHYA* (H.B.K.) Hitchc. Poaceae.
No. 17116. Nigeria.
- 238293.** *ENNEAPOGON AVENACEUS* (Lindl.) C. E. Hubb. Poaceae.
No. S. 118. Adelaide, Australia.
- 238294.** *ENNEAPOGON FLAVESCENS* (Lindl.) Burbidge
No. S. 120. Adelaide, Australia.
- 238295.** *ENNEAPOGON LINDLEYANUS* (Dom.) C. E. Hubb.
No. S. 121. Adelaide, Australia.
- 238296.** *ENNEAPOGON PALLIDUS* (R. Br.) Beauv.
No. S. 123. Adelaide, Australia.
- 238297.** *ENNEAPOGON OBLONGUS* Burbidge
No. S. 124. Adelaide, Australia.

238221 to 238384—Continued

- 238298.** ENNEAPOGON POLYPHYLLUS (Dom.) Burbidge
No. S. 127. Adelaide, Australia.
- 238299.** ENTEROPOGON MACROSTACHYS Benth. Poaceae.
No. C.P.I. 17662. Kenya.
- 238300.** ERAGROSTIS EXPANSA Link Poaceae. **Lovegrass.**
No. 11802. Paraguay. (Originally Beltsville, Md.)
- 238301.** ERAGROSTIS DIELSII Pilger **Lovegrass.**
No. S. 128. Adelaide, Australia.
- 238302.** ERAGROSTIS LANIFLORA Benth. **Lovegrass.**
No. C751. Northern Territory, Australia.
- 238303.** ERAGROSTIS LEPTOCARPA Benth. **Lovegrass.**
No. S130. Adelaide, Australia.
- 238304.** ERAGROSTIS SETIFOLIA Nees **Lovegrass.**
No. W539. East of Mechanthana, Western Australia.
- 238305.** ERAGROSTIS TREMULA Hochst. ex Steud. **Lovegrass.**
No. 17108. Nigeria.
- 238306.** ERIACHNE ARISTIDEA F. Muell. Poaceae.
No. S133. Adelaide, Australia.
- 238307.** ERIACHNE CILIATA R. Br.
No. C857. North of Katherine, Northern Territory.
- 238308.** ERIACHNE HELMSII Domin
No. C745. Northern Territory.
- 238309.** ERIACHNE MUCRONATA R. Br.
No. C565. Stanley's Chasm, Northern Territory.
- 238310.** ERIACHNE PULCHELLA Domin
No. C586. Northern Territory.
- 238311.** ERIOCHLOA NUBICA Stapf Poaceae.
No. 15383. Sudan.
- 238312.** ERIOCHLOA PSEUDOACROTRICHA (Stapf) C. E. Hubb.
No. S134. Adelaide, Australia.
- 238313.** FESTUCA ABYSSINICA Hochst. Poaceae. **Fescue**
No. 17772. Kenya.
- 238314.** FESTUCA ALOPECUROS Schousb **Fescue.**
No. 12956. Morocco.
- 238315.** FESTUCA AMPLA Hack. **Fescue.**
No. 14405. Portugal.
- 238316.** GAUDINIA FRAGILIS (L.) Beauv. Poaceae.
No. 14407. Portugal.
- 238317.** HOVEA LONGIFOLIA R. Br. Fabaceae.
No. 428. Mount Kosciusko, Australia.
- 238318.** HYPARRHENIA CLAESSENSII Robyns Poaceae.
No. 17267. Belgian Congo.
- 238319.** HYPARRHENIA HIRTA (L.) Stapf
No. 5786. The Netherlands.

238221 to 238384—Continued

238320. *HYPARRHENIA LINTONII* Stapf
No. 17664. Kenya.
238321. *HYPARRHENIA RUFA* (Nees) Stapf **Jaragua.**
No. 16045. Kenya.
238322. *HYPARRHENIA RUPRECHTII* (Hack.) Fourn.
No. 17111. Nigeria.
238323. *HYPARRHENIA SUBPLUMOSA* Stapf
No. 17223. Nigeria.
238324. *INDIGOFERA AUSTRALIS* Willd. Fabaceae. **Indigo.**
No. C400. Five Crossings, Australia.
238325. *INDIGOFERA CRYPTANTHA* Benth. **Indigo.**
No. 17084. South Africa.
238326. *INDIGOFERA ENDECAPHYLLA* Jacq. **Creeping indigo.**
No. 16110. Gold Coast, Africa.
238327. *INDIGOFERA GLANDULOSA* Wendl. **Himalayan indigo.**
No. 13729. India.
238328. *INDIGOFERA HIRSUTA* L. **Hairy indigo.**
No. 16676. Southern Rhodesia.
238329. *INDIGOFERA RETROFLEXA* Baill. **Indigo.**
No. 13421. Kenya.
238330. *INDIGOFERA SUBULATA* Vahl ex Poir. **Indigo.**
No. 17890. Kenya.
238331. *INDIGOFERA SCHIMPERI* Jaub. & Spach **Indigo.**
No. 16055. Kenya.
238332. *LASIOCHLOA ECHINATA* (Thunb.) Henr. Poaceae.
No. 16350. South Africa.
238333. *LASIOCHLOA HISPIDA* (Thunb.) Kunth
No. 16355. South Africa.
238334. *LOTUS CONIMBRICENSIS* Brot. Fabaceae. **Trefoil.**
No. 10697. Portugal.
238335. *LOTUS PEREGRINUS* L. **Trefoil.**
No. 15318. Israel.
238336. *LOTUS PUSILLUS* Medic **Trefoil.**
No. 14865. Israel.
238337. *LOTUS TENUIS* Waldst. & Kit. ex Willd. **Trefoil.**
No. Q170. Queensland, Australia.
238338. *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urban Fabaceae. **Alfalfa.**
No. 14656. France.
238339. *MELILOTUS NEAPOLITANA* Ten. Fabaceae. **Sweetclover.**
No. 16609.
238340. *MICROLAENA STIPOIDES* (Labill.) R. Br. Poaceae.
No. C513. New South Wales, Australia.

238221 to 238384—Continued

- 238341.** *NEURACHNE ALOPECUROIDES* R. Br. Poaceae.
No. W614. Northam, West Australia.
- 238342.** *NEURACHNE MITCHELLIANA* Nees
No. C613. Alice Springs, Northern Territory, Australia.
- 238343.** *OXYLOBIUM ELLIPTICUM* (Labill.) R. Br. Fabaceae.
No. C406. Mount Ginint, Australia.
- 238344.** *PANICUM CYMBIFORME* Hughes Poaceae.
No. W426. Kimberley Research Station, Western Australia.
- 238345.** *PANICUM DECOMPOSITUM* R. Br.
No. C789. Gibber Plain, Southern Australia.
- 238346.** *PANICUM LANIPES* Mez
No. 17289. Belgian Congo.
- 238347.** *PENTASCHISTIS THUNBERGII* Stapf Poaceae.
No. 16334. South Africa.
- 238348.** *PEROTIS RARA* R. Br. Poaceae.
No. S135. Adelaide, South Australia.
- 238349.** *PLAGIOSETUM REFRACTUM* Benth. Poaceae.
No. C703. North of Alice Springs, Northern Territory, Australia.
- 238350.** *PLECTRACHNE RIGIDISSIMA* (Pilger) C. E. Hubb. Poaceae.
No. W583. Western Australia.
- 238351.** *PSORALEA ADSCENDENS* F. Muell. Fabaceae. **Scurf-pea.**
No. N439. New South Wales, Australia.
- 238352.** *PSORALEA BITUMINOSA* L. **Scurf-pea.**
No. 17372. New Zealand. Originally from Spain.
- 238353.** *PSORALEA CINEREA* Lindl. **Scurf-pea.**
No. Q258. Queensland, Australia.
- 238354.** *PSORALEA PATENS* Lindl.
No. C661. West of Dashwood Chasm, Northern Territory, Australia.
- 238355.** *SORGHUM INTRANS* F. Muell. Poaceae.
No. C460. Katherine, Northern Territory, Australia.
- 238356.** *SORGHUM LAXIFLORUM* F. M. Bailey.
No. C470. Katherine, Northern Territory, Australia.
- 238357.** *SORGHUM PLUMOSUM* (R. Br.) Beauv.
No. Q194. Queensland, Australia.
- 238358.** *SORGHUM STIPOIDEUM* (Ewart & J. White) Gard. & C. E. Hubb.
No. C450. Katherine, Northern Territory, Australia.
- 238359.** *TETRAGONOLOBUS PURPUREUS* Moench Fabaceae.
No. 11033. Canada.
- 238360.** *THEMEDA AUSTRALIS* (R. Br.) Stapf Poaceae.
No. W567. South of Lawlors, West Australia.
- 238361.** *THEMEDA TRIANDRA* Forsk. **Rooi grass.**
No. 16347. South Africa.

238221 to 238384—Continued

238362. *TRIFOLIUM DIFFUSUM* Ehrh. Fabaceae. Clover
No. 13589. Portugal.
- 238363 and 238364. *TRIFOLIUM ECHINATUM* Bieb. Clover.
238363. No. 14767. Israel.
238364. No. 14941. Israel.
238365. *TRIFOLIUM ISODON* Murb. Clover.
No. 15813. Australia.
238366. *TRIFOLIUM MARITIMUM* Huds. Clover.
No. 10482. Portugal.
238367. *TRIFOLIUM* sp. Clover.
No. 14223. Greece.
238368. *TRIFOLIUM PETRISAVII* Clem. Clover.
No. 13946. Cyprus.
238369. *TRIFOLIUM PALLIDUM* Waldst. & Kit. Clover.
No. S11. Southern Australia.
- 238370 and 238371. *TRIFOLIUM PURPUREUM* Loisel. Clover.
238370. No. 13816. Beirut, Lebanon.
238371. No. 13934. Cyprus.
238372. *TRIFOLIUM STRIATUM* L. Striate clover.
No. 14740. Portugal.
238373. *TRIRAPHIS MOLLIS* R. Br. Poaceae.
No. S136. Waite Institute, Adelaide, Southern Australia.
238374. *VICIA ARTICULATA* Hornem. Fabaceae. Vetch
No. 9187. Alabama, United States.
238375. *VICIA CORNIGERA* Chaub. ex St. Amans. Vetch.
No. 10381. Bulgaria.
238376. *VICIA GLOBOSA* Retz. Vetch.
No. 10389. Bulgaria.
238377. *VICIA HYBRIDA* L. Vetch.
No. 15654. Israel.
238378. *VICIA LUDOVICIANA* Nutt. Vetch.
No. 10392. Bulgaria.
238379. *VICIA MACROCARPA* (Moris.) Bertol. Vetch.
No. 16641. Portugal.
238380. *VICIA NARBONENSIS* L. Vetch.
No. 14115. Italy.
238381. *VICIA OBSCURA* Vog. Vetch.
No. 18107. Brazil.
- 238382 and 238383. *VICIA ANGUSTIFOLIA* var. *SEGETALIS* (Thuill.) Koch. Vetch.
238382. No. 10421. Bulgaria.
238383. No. 11738. France.
238384. *LATHYRUS KILIMANSHARICUS* Taub. Fabaceae.
No. 17849. Kenya.

238385 and 238386.

From Great Britain. Scions presented by the East Malling Research Station, Maidstone, Kent, England. Received Mar. 26, 1957.

238385. *MALUS SYLVESTRIS* Mill. Malaceae. **Common apple.**
'Feuille Morte'.

238386. *PYRUS COMMUNIS* L. Malaceae. **Common pear.**
'Comice'-B-353-D.

238387 and 238388.

From Jordan. Seeds presented by Harley W. Roath, Amman. Received Mar. 26, 1957.

238387. *HORDEUM* sp. Poaceae.
'Qunnarie'.

238388. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
F-8.

238389 to 238415. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

From Kenya. Seeds presented by the Plant Breeding Station, Njoro. Received Mar. 26, 1957.

238389.	'Cobbs 1066'.	238403.	358-P.6.A.
238390.	'Cobbs 1066.1'.	238404.	358-P.7.A.
238391.	'D.C. Ceres' X R.64.	238405.	358-P.7.C.
238392.	RL 2150/A.	238406.	358-R.3.C.
238393.	131.	238407.	358-R.7.E.
238394.	184-1.2.A.1.A.	238408.	362-A.1.D.1.
238395.	249M.	238409.	362-B.1.A.1.B.
238396.	261E.	238410.	362-B.1.D.3.D.
238397.	321-BT.1.B.1.	238411.	362-B.1.E.4.
238398.	354-P.3.B.2.B.	238412.	363-K.1.B.3.
238399.	356-A.2.A.	238413.	367-AR.3.B.1.C.
238400.	356-A.12.C.	238414.	367-AR.3.B.2.B.
238401.	358-AA.5.B.	238415.	367-BR.1.D.4.B.
238402.	358-AC.4.A.		

238416 to 238488. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

From Turkey. Seeds presented by Dr. Vamik Taysi, Ismir, Bornova. Received Mar. 26, 1957.

238416. No. 1890. 'Susam'. Gemlik; elevation 100 meters.
238417. No. 1891. 'Susam'. Lalapasa-Merkez; elevation 140 meters.
238418. No. 1892. 'Kara Kuncu'. Islahiye; elevation 490 meters.
238419. No. 1893. 'Kuncu'. Dortyol; elevation 10 meters.
238420. No. 1894. 'Susam'. Bergama; elevation 35 meters.
238421. No. 1895. 'Susam'. Akseki; elevation 1,020 meters.
238422. No. 1896. 'Susam'. Gediz; elevation 700 meters.
238423. No. 1897. 'Kuncu'. Bahce; elevation 450 meters.
238424. No. 1898. 'Kuncu'. Bahce; elevation 450 meters.
238425. No. 1899. 'Susam'. Ergani; elevation 825 meters.
238426. No. 1900. 'Kuncu'. Osmaniye; elevation 130 meters.

238416 to 238488—Continued

238427. No. 1901. 'Yerli Susam'. Exine; elevation 3 meters.
 238428. No. 1902. 'Susam'. Cemiskezek; elevation 1020 meters.
 238429. No. 1903. 'Kuncu'. Cungus; elevation 800 meters.
 238430. No. 1904. 'Kirmizi Susam'. Demirci; elevation 900 meters.
 238431. No. 1905. 'Sari Susam'. Demirci; elevation 850 meters.
 238432. No. 1906. 'Susam'. Kadirli; elevation 140 meters.
 238433. No. 1907. 'Susam'. Yenisehir; elevation 225 meters.
 238434. No. 1908. 'Kuncu'. Pazarcik; elevation 900 meters.
 238435. No. 1909. 'Sari Susam'. Ayiracik; elevation 45 meters.
 238436. No. 1910. Edirne-Merkez; elevation 35 meters.
 238437. No. 1911. 'Karisik Susam'. Anamur; elevation 30 meters.
 238438. No. 1912. Manavgat; elevation 40 meters.
 238439. No. 1913. 'Sari Susam'. Ula; elevation 15 meters.
 238440. No. 1914. Sogut; elevation 700 meters.
 238441. No. 1915. 'Sari Susam'. Izmir-Sogut; elevation 110 meters.
 238442. No. 1916. 'Yaglik Susam'. Alasehir; elevation 145 meters.
 238443. No. 1917. 'Standard'. Alasehir; elevation 189 meters.
 238444. No. 1918. 'Sari Susam'. Alasehir; elevation 168 meters.
 238445. No. 1919. 'Susam'. Alasehir; elevation 168 meters.
 238446. No. 1920. Alasehir; elevation 189 meters.
 238447. No. 1921. Alasehir; elevation 189 meters.
 238448. No. 1922. Adana; elevation 25 meters.
 238449. No. 1923. Mugla; elevation 60 meters.
 238450. No. 1924. 'Beyaz Susam'. Akhisar; elevation 100 meters.
 238451. No. 1925. 'Kuncu'. Maras-Andirin; elevation 350 meters.
 238452. No. 1926. Ceyhan; elevation 40 meters.
 238453. No. 1927. Canakkale; elevation 10 meters.
 238454. No. 1928. Adana-Karaisali; elevation 360 meters.
 238455. No. 1929. 'Kuncu'. Malazgirt-Tunceli; elevation 1458 meters.
 238456. No. 1930. 'Beyaz Susam'. Denizli; elevation 800 meters.
 238457. No. 1931. Pertek; elevation 450 meters.
 238458. No. 1932. 'Sari Susam'. Odemis-Izmir; elevation 100 meters.
 238459. No. 1933. 'Sari Susam'. Odemis-Izmir; elevation 120 meters.
 238460. No. 1934. Lapseki; elevation 200 meters.
 238461. No. 1935. 'Alcak Boylu Susam'. Bigadic; elevation 145 meters.
 238462. No. 1936. 'Yukse Boylu Susam'. Bigadic; elevation 145 meters.
 238463. No. 1937. 'Kirmizi Susam'. Saraykoy-Denizli; elevation 165 meters.
 238464. No. 1938. Seferihisar; elevation 25 meters.
 238465. No. 1939. Alanya; elevation 10 meters.
 238466. No. 1940. Seyhan-Kozan; elevation 150 meters.
 238467. No. 1941. 'Susam-Sokme'. Yatagan; elevation 500 meters.
 238468. No. 1942. Eskisehir; elevation 260 meters.
 238469. No. 1943. Burdur; elevation 1020 meters.

238416 to 238488—Continued

238470. No. 1944. Selcuk; elevation 35 meters.
 238471. No. 1945. Turgut lu; elevation 70 meters.
 238472. No. 1946. 'Kaba Susam'. Mugla-Fethiye-Koycegiz; elevation 6 meters.
 238473. No. 1947. 'Kaba Kivrak'. Mugla-Fethiye-Koycegiz; elevation 8 meters.
 238474. No. 1948. 'Yerli Susam'. Buldan-Denizli; elevation 620 meters.
 238475. No. 1949. Mugla-Bodrum; elevation 20 meters.
 238476. No. 1950. 'Sari Susam'. Balikesir-Bandirma; elevation 40 meters.
 238477. No. 1951. Manisa-Selendi; elevation 400 meters.
 238478. No. 1952. Icel-Mersin; elevation 50 meters.
 238479. No. 1953. Kirklareli-Vize; elevation 75 meters.
 238480. No. 1954. Usak-Karahalli; elevation 900 meters.
 238481. No. 1955. Adiyaman-Kahta; elevation 850 meters.
 238482. No. 1956. 'Yerli Susam'. Bursa-Mudanya; elevation 350 meters.
 238483. No. 1957. Balikesir-Kepsut; elevation 80 meters.
 238484. No. 1958. Tekirdag-Sarkoy; elevation 25 meters.
 238485. No. 1959. Bursa-Orhangazi; elevation 70 meters.
 238486. No. 1960. Icel-Mut; elevation 320 meters.
 238487. No. 1961. Kirklareli-Babeski; elevation 70 meters.
 238488. No. 1962. Selcuk; elevation 35 meters.

238489 to 238497. ORYZA SATIVA L. Poaceae.**Rice.**

From Argentina. Seeds presented by the Estacion Experimental Nacional, Oliveros, Santa Fe. Received Mar. 27, 1957.

238489. 'Blue Rose Sel. M.A.'
 238490. 'Cenit'.
 238491. 'Chacarero F.A.'
 238492. 'Japones Gigante Sel. M.A.'
 238493. 'Panoja 1 Sel. 22-2'.
 238494. 'Precosur 1 F.A.'
 238495. 'Victoria F.A.'
 238496. 'Victoria Tardio Sel. 2 F.A.'
 238497. 'Yamani Sel. M.A.'

238498 to 238511.

From Portugal. Plant material collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 27, 1957.

238498. ARAUJIA SERICIFERA Brot. Asclepiadaceae.

Col. No. 3661. Evergreen vine; leaves elliptic to ovate, shining green above; pods large; hardy in far south.

238499 and 238500. CAMELLIA JAPONICA L. Theaceae. Common camellia.

Cuttings from Jardim Botanico, Oporto. Mar. 21, 1957.

238499. Col. No. 3669. 'Mathotiana'. Flowers scarlet, 5 inches in diameter; petals metallic blue at tips.

238500. Col. No. 3670. 'Augusto Leal Gouveia Pinto'. Flowers salmon pink, convex, double.

238498 to 238511—Continued

238501. *CHLOROPHYTUM COMOSUM* Baker Liliaceae.

Col. No. 3671. Companhia Horticolo Nursery, Agricola Portuense, Oporto. Mar. 21, 1957. Perennial; roots tuberous, fasciated; leaves long, strap-shaped, margins white; flowers white. (Clump.)

238502. *CROCUS CLUSII* J. Gay Iridaceae.

Col. No. 3659. Jardim Botânico, Oporto. Mar. 21, 1957. Floral tube 4 inches long; throat white within; segments light purple, darker toward base; winter flowering. (Bulbs.)

238503. *CYTISUS MULTIFLORUS* (Ait.) Sweet Fabaceae.

Col. No. 3662. Jardim Botânico, Oporto. Shrub to 6 feet high; branches arching gracefully; flowers white. (Cuttings.)

238504. *KALANCHOE* sp. Crassulaceae.

Col. No. 3664. Jardim Botânico, Oporto. Mar. 21, 1957.

238505. *LEUCOJUM AUTUMNALE* L. Amaryllidaceae. **Snowflake.**

Col. No. 2660. Jardim Botânico, Oporto. Mar. 21, 1957. Bulbous perennial; leaves grasslike; flowers white, in autumn.

238506. *NARCISSUS JONQUILLA* L. Amaryllidaceae.

Col. No. 3666. Jardim Botânico, Oporto. Mar. 21, 1957. Bulbous perennial; flowers yellow, fragrant.

238507. *NARCISSUS RUPICOLA* Dufour.

Col. No. 3663. Near Amedo, Province Tres des Mondes. Mar. 21, 1957. Bulbous perennial; flowers yellow.

238508. *ROMULEA BULBOCODIUM* (L.) Sebast. & Mauri. Iridaceae.

Col. No. 3665. Province Villa de Conde. Mar. 21, 1957. Plant to 5 inches high; flowers lavender, crocuslike. (Bulbs.)

238509. (Undetermined.)

Col. No. 3668. Greenhouse, Jardim Botânico, Oporto. Mar. 21, 1957. Trailing succulent; leaves variegated. (Cuttings.)

238510. *CALVOA ORIENTALIS* Taub. Melastomataceae.

Col. No. 3667. Jardim Botânico, Oporto. Mar. 21, 1957. Plants to 14 inches high; leaves 4 inches long, 1 inch wide, light green, shining; flowers mauve. (Seeds.)

238511. *CROCUS CLUSII* J. Gay Iridaceae.

Col. No. 3659. Jardim Botânico, Oporto. (Seeds.)

238512 to 238518. PRUNUS DOMESTICA L. Amygdalaceae.**Common plum.**

From Germany. Scions presented by the Obstbauversuchsanstalt der Landwirtschaftskammer, Hannover, Hamburg. Received Mar. 28, 1957.

238512. 'Borsumer Zwetsche'. **238516.** 'Saure Zwetsche'.

238513. 'Buhler Fruhwetsche'. **238517.** 'Zesterfleth'.

238514. 'Frue Fruchtbare'. **238518.** 'Zimmers Fruhwetsche'.

238515. 'Hauszwetsche'.

238519 to 238529.

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 29, 1957. Collected Mar. 16 to 20, 1957.

238519. *ANEMONE NEMOROSA* L. Ranunculaceae.

Col. No. 3651. On rocky woodland, road between Riano and Guardo, Province Leon. Rhizomatous perennial; flowers white. (Plants.)

238519 to 238529—Continued**238520.** *CYTISUS* sp. Fabaceae.

Col. No. 3648. Open slopes, vicinity of Riano, Province Leon. Elevation 3,000 feet. Shrub to 6 feet high; branches bright green, spreading. (Scions.)

238521. *DAPHNE LAUREOLA* L. Thymelaeaceae.**Spurge laurel.**

Col. No. 3652. Steep mountain slopes, Pecos de Europa, road between and Guardo. Elevation 3,500 feet. Evergreen shrub to 3 feet high; Riano leaves shining; flowers greenish-yellow. (Cuttings.)

238522. *JUNIPERUS THURIFERA* L. Pinaceae.

Col. No. 3654. Above Rio Esla, Province Leon. Elevation 3,000 feet. Tree to 20 feet high, compact habit. (Cuttings.)

238523. *NARCISSUS ASTURIENSIS* (Jord.) Pugsl. Amaryllidaceae.

Col. No. 3647. Open grassy slopes near summit of Puerto de San Gloria, Picos de Europa, Province Santander. Elevation 4,800 feet. Plant to 7 feet high; flowers deep yellow, about 1 inch diameter; segments long. (Bulbs.)

238524. *NARCISSUS BULBOCODIUM* L.**Petticoat daffodil.**

Col. No. 3653. Bog 25 miles north of Coimbra along road to Oporto. Elevation 3,000 feet. Plant to 2 feet high; flowers deep yellow. (Bulbs.)

238525. *NARCISSUS PSEUDONARCISSUS* ssp. *NOBILIS* (Schult. f.) Fernd.

Col. No. 3649. Meadows along road to Puerto del Ponton, 3 miles from Riano, Province Leon. Elevation 3,000 feet. Plant vigorous to 14 inches high. (Bulbs.)

238526. *NARCISSUS PSEUDONARCISSUS* ssp. *TORTUOSUS* (Haw.) Fernd.

Col. No. 3645. Steep sloping meadow facing north, 2.5 miles south of Unquera, Province Santander. Leaves slightly twisted; flowers light yellow, pendulous. (Bulbs.)

238527. *NARCISSUS TRIANDRUS* var. *CERNUUS* (Salisb.) Bak.

Col. No. 3655. Along road at border of Orense and Pontevedra Provinces. Plants to 8 inches high; flowers white and creamy yellow. (Bulbs.)

238528. *GLOBULARIA WILKOMII* Nym. Globulariaceae.

Col. No. 3646. Rocky cliffs above Rio Diva, Picos de Europa, Province Santander. Semi-evergreen perennial; leaves leathery, deep green; flowers lavender. (Plants.)

238529. *NARCISSUS TRIANDRUS* L.

(No field note.) (Bulbs.)

238530 to 238536.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 29, 1957.

238530 to 238535. From the Bubu River, near Garaina.**238530 and 238531.** *SACCHARUM EDULE* Hassk. Poaceae.**Sugarcane.****238530.** Col. No. 4. Ti-i. Clone 57 NG 4.**238531.** Col. No. 5. Ti-i. Clone 57 NG 5.**238532 to 238535.** *SACCHARUM OFFICINARUM* L.**Sugarcane.****238532.** Col. No. 6. 'Su su'. Clone 57 NG 6.**238533.** Col. No. 7. 'Otuna'. Clone 57 NG 7.**238534.** Col. No. 8. 'Desogo'. Clone 57 NG 8.**238535.** Col. No. 9. 'Pubama'. Clone 57 NG 9.

238530 to 238536—Continued**238536.** SACCHARUM sp.

Col. No. 10. Lae Botanical Gardens, Lae.

238537 to 238546.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 1, 1957.

Collected Mar. 19 to 23, 1957.

238537. CITRUS sp. Rutaceae.

Col. No. 564. Botanic Gardens, Lae.

238538. SACCHARUM ROBUSTUM Brandes & Jesw. Poaceae. **Sugarcane.**

Col. No. 554. Collected by Dr. D. Shaw at Kongora near Togaba and Mount Hagen.

238539 to 238545. SACCHARUM SPONTANEUM L. **Sugarcane.****238539.** Col. No. 555. Roadside between Laloki and Brown Rivers.**238540.** Col. No. 556. Roadside on Roura Falls road, about 9 miles from Port Moresby. Long-tassel type.**238541.** Col. No. 557. Roadside, Roura Road, 8 miles from Port Moresby.**238542.** Col. No. 558. Roadside, Roura Road, 15 miles from Port Moresby.**238543.** Col. No. 565. Saidor Coast near Madang. (Plant included from Lae Botanical Gardens.)**238544.** Col. No. 567. Hotel Cecil, Lae.**238545.** Col. No. 568. Busu Loop, Lae.**238546.** SACCHARUM sp.

Col. No. 566. Near Lae.

238547 to 238559.

From Germany. Scions presented by the Bundesforschungsanstalt f. Forst- u Holzwirtschaft, Schmalenbeck. Received Apr. 1, 1957.

238547. LARIX DECIDUA Mill. Pinaceae. **European larch.**

No. C50.

238548 to 238554. PICEA ABIES (L.) Karst. Pinaceae. **Norway spruce.****238548.** No. 636. Sandino × Schri.**238549.** No. 636. Sandino × Solivaix.**238550.** No. 686. Sandino × Schirosior.**238551.** No. Th-1.**238552.** No. Th-2.**238553.** No. Th-19.**238554.** No. Th-73.**238555 to 238559.** POPULUS × ROBUSTA Schneid. Salicaceae. **Poplar.****238555.** 'Danndorf'. **238558.** 'Sudboden'.**238556.** 'Lampertshein'. **238559.** 'Welt-I'.**238557.** 'Moos-I'.**238560 to 238562.**

From Great Britain. Tubers presented by the Lenton Experiment Station, Nottingham. Received Apr. 1, 1957.

238560. DIOSCOREA BALCANICA Kosanin Dioscoreaceae. **Yam.**

238560 to 238562—Continued

238561. DIOSCOREA CAUCASICA Lipsky Yam.

238562. DIOSCOREA NIPPONICA Makino Yam.

238563. PYRUS COMMUNIS L. Malaceae. **Common pear.**

From Italy. Budwood presented by the University of Pisa, Pisa. Received Apr. 1, 1957.

'Santa Maria'. ('Bon Chretien Williams' × 'Cascia No. 29'). Tree vigorous, productive and intermediate between the parents in season of ripening; fruit yellowish with red blush, said to be resistant to bruising; flesh tender, translucent, sweet.

238564 to 238572.

From the Union of South Africa. Plants presented by the Department of Agriculture, Pretoria, Transvaal. Received Apr. 1, 1957.

Locations given are original sources of material.

238564. SANSEVIERIA DESERTI N. E. Brown Liliaceae.

Potgietersrus, Transvaal.

238565 to 238567. SANSEVIERIA GRANDIS Hook. f.

238565. Oliphants River, Cape Province.

238566. No. 24.

238567. No. 56. Bonza Bay, East London, Cape Province.

238568 and 238569. SANSEVIERIA SCABRIFOLIA Dinter

238568. British Bechuanaland.

238569. 'Codd 5825'. Gobabis, Southwest Africa.

238570 to 238572. SANSEVIERIA THYRSIFLORA Thumb.

238570. (No data.)

238571. 'Story 3829'. Cape Province.

238572. 'Story 3832'. Cape Province.

238573 to 238575. SACCHARUM (hybrids). Poaceae. **Sugarcane.**

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 2, 1957.

238573. 57 NG1.

238574. 57 NG2.

238575. 57 NG3.

238576. EUPHORBIA LEUCOCEPHALA Lotsky Euphorbiaceae.

From Jamaica. Seeds presented by E. A. Menninger, Stuart, Fla. Received July 16, 1957.

238577. CALLIANDRA sp. Mimosaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 11, 1957.

No. 14488. Sonora.

238578 to 238590.

From the Netherlands. Plant purchased from the Old Farm Nurseries, Boskoop. Received Mar. 29, 1957.

238578. ABIES BALSAMEA var. HUDSONIA (Jacques) Sudw. Pinaceae
Hudson Bay fir.

238578 to 238590—Continued

- 238579.** *ABIES BALSAMEA* (L.) Miller Balsam fir.
'Nana'.
- 238580.** *ABIES PINSAPO* Boiss. Spanish fir.
'Aurea'.
- 238581.** *CEDRUS ATLANTICA* Manetti Pinaceae. Atlas cedar.
'Aurea Robusta'.
- 238582.** *CEDRUS DEODARA* (Lamb.) Loud Deodar cedar.
'Verticillata Glauca'.
- 238583 to 238589.** *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.
- 238583.** 'Highlandia'. **238587.** 'Pachyphylla'.
- 238584.** 'Hornbrookii'. **238588.** 'Pumila Nigra'.
- 238585.** 'Humilis'. **238589.** 'Pseudoprostrata Mawxelli'.
- 238586.** 'Merki'.
- 238590.** *PINUS MUGO* Turra Pinaceae. Pine.
'Gnom'.

238591. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
From Korea. Seeds presented by the Taegu Tobacco Experiment Station,
Taegu. Received Apr. 8 1957.

238592. JUNIPERUS THURIFERA L. Pinaceae.

From Spain. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 29, 1957.

Col. No. 3654. Mountain slope above Rio Esla, Leon Province. Mar. 18, 1957. Elevation 3,000 feet. Tree small, compact habit.

238593 to 238599.

From Japan. Plants presented by the Kofu-En Bonzai Nursery, Uyji Yoslamura, Meguro-ku, Tokyo. Received Apr. 2, 1957.

- 238593.** *ACER BUERGERIANUM* Miquel Aceraceae. Trident maple.
- 238594.** *ENKIANTHUS PERULATUS* C. Schneid. Ericaceae. White enk.
- 238595.** *ILEX SERRATA* var. *SIEBOLDII* Loes. Aquifoliaceae. Holly.
- 238596.** *PICEA GLEHNII* (Schmidt) Masters Pinaceae. Sakhalin spruce.
- 238597.** *PINUS PENTAPHYLLA* Mayr Pinaceae. Pine.
- 238598.** *RHODODENDRON INDICUM* (L.) Sweet Ericaceae. Azalea.
- 238599.** *ZELKOVA SERRATA* (Thunb.) Makino Ulmaceae. Sawleaf zelkova.

238600 to 238639.

From Mexico. Plant collected by H. S. Gentry and E. P. Imle, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 3, 1957.

Collected Mar. 16 to 24, 1957.

238600. *ANTHURIUM* sp. Araceae.

Col. No. 62A. Sierra Sumidera, above Tuxtla Gutierrez, Chiapas.

238600 to 238639—Continued

- 238601 to 238617.** *DIOSCOREA COMPOSITA* Hemsl. Dioscoreaceae. **Yam.**
238601. Col. No. 16437. East of San Andres Tuxtla, Veracruz.
238602 to 238609. Rio Papaloapan, Veracruz.
238602. Col. No. 16438. **238606.** Col. No. 16442.
238603. Col. No. 16439. **238607.** Col. No. 16443.
238604. Col. No. 16440. **238608.** Col. No. 16444.
238605. Col. No. 16441. **238609.** Col. No. 16445.
- 238610 to 238612.** Rancho del Carmen, south of Tierra Blanca, Veracruz.
238610. Col. No. 16446.
238611. Col. No. 16447.
238612. Col. No. 16448.
- 238613 to 238617.** Tierra Blanca, Veracruz.
238613. Col. No. 16450. **238616.** Col. No. 16453.
238614. Col. No. 16451. **238617.** Col. No. 16454.
238615. Col. No. 16452.
- 238618.** *DIOSCOREA FLORIBUNDA* Mart. & Gal. **Yam.**
Col. No. 16455. Tierra Blanca, Veracruz.
- 238619 to 238636.** *DIOSCOREA SPICULIFLORA* Hemsl. **Yam.**
238619. Col. No. 56B. Above Tuxtla Gutierrez, Chiapas.
238620 to 238622. Colonia Grijalvo near Chiapa, Chiapas. Elevation
2,400 feet.
238620. Col. No. 16399.
238621. Col. No. 16401.
238622. Col. No. 16402.
- 238623 to 238625.** Thorn forest of Cardenez, along road to Villa Flores
Chiapas. Limestone soil.
238623. Col. No. 16405.
238624. Col. No. 16406.
238625. Col. No. 16407.
- 238626 to 238628.** Rancho Reforma along road to Villa Flores, Chiapas.
238626. Col. No. 16412.
238627. Col. No. 16413.
238628. Col. No. 16414.
- 238629 to 238635.** East of Cardenez, along road to Villa Flores, Chiapas.
238629. Col. No. 16420. **238633.** Col. No. 16426.
238630. Col. No. 16421. **238634.** Col. No. 16427.
238631. Col. No. 16424. **238635.** Col. No. 16428.
238632. Col. No. 16425.
- 238636.** Col. No. 10431. Above Rio Chiapa, along road to Cupia, Chiapas.
- 238637.** *DIOSCOREA* sp.
Col. No. 57B. Sierra Sumidera, above Tuxtla Gutierrez, Chiapas. Roots
yellow.

238600 to 238639—Continued**238638.** EPIDENDRUM RANIFERUM Lindl. Orchidaceae.

Col. No. 62B. Sierra Sumidera, above Tuxtla Gutierrez, Chiapas.

238639. PHILODENDRON sp. Araceae.

Col. No. 16423. East of Cardenez, along road to Villa Flores, Chiapas.

238640 to 238643.

From France. Scions collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received Mar. 18, 1957.

From the Raymond Chenault Nursery, Orleans, Loiret. Mar. 11, 1957.

238640. BERBERIS sp. Berberidaceae.

Col. No. 3629. Shrub with red foliage in autumn. Original seeds from China.

238641. BERBERIS VEITCHII C. Schneid.**Barberry.**

Col. No. 3615. Shrub; arching habit.

238642. PINUS NIGRA Arn. Pinaceae.**Austrian pine.**

Col. No. 3621. 'Pyramidalis'. Dwarf form.

238643. PRUNUS ARMENIACA L. Amygdalaceae.**Apricot.**

Col. No. 3628.

238644 to 238664.

From New Guinea. Collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 4, 1957. Collected Mar., 1957.

238644 to 238661. SACCHARUM (hybrids). Poaceae.**Sugarcane.**

(Cuttings.)

238644 to 238646. Native garden at Wantaot, Morobe.**238644.** Col. No. 583. Purple form.**238645.** Col. No. 584. Green form.**238646.** Col. No. 585. Purple striped form.**238647 to 238661.** New Guinea. (No data.)**238647.** Col. No. 11. 51NG11. **238655.** Col. No. 19. 57NG19.**238648.** Col. No. 12. 51NG12. **238656.** Col. No. 20. 57NG20.**238649.** Col. No. 13. 57NG13. **238657.** Col. No. 21. 57NG21.**238650.** Col. No. 14. 57NG14. **238658.** Col. No. 22. 57NG22.**238651.** Col. No. 15. 57NG15. **238659.** Col. No. 23. 57NG23.**238652.** Col. No. 16. 57NG16. **238660.** Col. No. 24. 57NG24.**238653.** Col. No. 17. 57NG17. **238661.** Col. No. 25. 57NG25.**238654.** Col. No. 18. 57NG18.**238662 to 238664.** SACCHARUM SPONTANEUM L.**Sugarcane.**

(Seeds.)

238662. Col. No. 571. Bubu River, near Garaina, Morobe.**238663.** Col. No. 572. Bubu River, near Garaina, Morebe.**238664.** Col. No. 573. Garaina, Morobe.

238665. TRIPSACUM LAXUM Nash Poaceae. **Guatemala gamagrass.**

From Guatemala. Plants presented by the Servicio Cooperativo Inter-Americano de Agricultura, La Aurora. Received Apr. 4, 1957.

238666 and 238667.

From Canada. Presented by the Government Grain Research Station, Ottawa. Received Apr. 4, 1957.

238666. HORDEUM sp. Poaceae.

B.532. M.F.B. Originally from Hungary.

238667. HORDEUM sp.

'Nord'. ('Byng' × 'Olli', K.4061.8.) Originally from Ottawa, Ontario.

238668. HORDEUM sp. Poaceae.

From Ireland. Seeds presented by the Department of Agriculture, Ballinacurra. Received Apr. 4, 1957.

Unnamed strain.

238669. CITRUS SINENSIS (L.) Osbeck Rutaceae. **Sweet orange.**

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 5, 1957.

Col. No. 582. Garaina, Morobe. Mar. 23, 1957. Skin tough.

Probably introduced by the Germans.

238670 to 238677. GOSSYPIUM (hybrids). Malvaceae. **Cotton.**

From France. Seeds presented by the Institut de Recherches, Textiles Exotiques, Paris. Received Apr. 5, 1957.

238670. A 150.

238674. B. 1439.

238671. A. 150 K.

238675. D 9.

238672. Banda II.

238676. TK 1.

238673. B. 296.5.

238677. W.296-7.

238678. CHRYSANTHEMUM (hybrid). Asteraceae.

From Japan. Seeds held at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Apr. 8, 1957.

'Kuda Mono'. From S. Takahashi, Kimachi, Misayama-shi.

238679 and 238680.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Apr. 8, 1957.

From John Vermuelen & Sons, Inc., Mechanic Station, N.J.

238679. JUNIPERUS SARGENTII (Henry) Takeda ex Nakai Pinaceae.

Sargent juniper.

238680. JUNIPERUS HORIZONTALIS Moench

Creeping juniper.

238681 to 238719.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received Apr. 9, 1957. Collected Mar., 1957.

238681. ASPLENIUM ADIANTUM var. NIGRUM L. Polypodiaceae.

Col. No. 3694. Near Covilha on road towards Manteigas. Elevation 600 feet. Interesting woodland fern.

238681 to 238719—Continued

238682. *ATHYRIUM FELIX-FEMINA* (L.) Roth Polypodiaceae.

Col. No. 3695. Roadside near Covilha, road to Monteigas. Perennial.

238683. *CROCUS CARPETANUS* Boiss. & Reut. Iridaceae.

Col. No. 3678. Serra da Marao between Sao Goncolo and Vila Real. Elevation 1,000 feet. Perennial; flowers light blue.

238684. *CYANOTIS CRISTATA* D. Don Commelinaceae.

Col. No. 3708. Jardin Botanico, Oporto. Perennial with hairy succulent leaves.

238685. *CYTISUS LUSITANICUS* Quer. Fabaceae. **Broom.**

Col. No. 3675. Near Mirandela on open granitic slopes. Shrub; flowers yellow.

238686. *CYTISUS* sp.

Col. No. 3685. Along banks of the Rio Douro, Barca d'Alva on the Spanish border. Shrub; flowers yellow.

238687 to 238689. *ERICA AUSTRALIS* L. Ericaceae. **Heath**

Open rocky banks, road towards Mantiegas, near Covilha, foothills of Serra da Estrela.

238687. Col. No. 3689. Shrub; flowers lavender.

238688. Col. No. 3690. Flowers light rosy-purple.

238689. Col. No. 3691. Flowers dark rosy-purple.

238690. *ERICA LUSITANICA* Rudolph **Heath.**

Col. No. 3696. Stream banks near Covilha, road to Monteigas. Evergreen shrub, to 6 feet tall, much-branched; leaves linear, $\frac{1}{4}$ inch long; flowers white, clustered.

238691. *EUPHORBIA BIGLANDULOSA* Desf. Euphorbiaceae. **Spurge.**

Col. No. 3683. Open slopes, northeastern Serra de Mogadoura.

238692. *GENISTA HYSTRIX* Lange Fabaceae.

Col. No. 3682. Banks of the Rio Douro, Barca d'Alva, Spanish border. Shrub to 4 feet high; flowers bright yellow.

238693. *GENISTA LUSITANICA* L.

Col. No. 3698. Serra da Estrela. Elevation 1,700 feet. Vigorous shrub.

238694. *HERMODACTYLUS TUBEROSUS* (L.) Mill. Iridaceae.

Col. No. 3711. Villa Flor, upper reaches of the Rio Douro. Tuberos-rooted perennial; flowers black-purple, midwinter.

238695. *IRIS ALATA* Poir. Iridaceae. **Scorpion iris.**

Col. No. 3710. Between Condeixa and Penela, near the Tagus River. Tuberos-rooted perennial; flowers blue.

238696. *JUNIPERUS COMMUNIS* L. Pinaceae. **Common juniper.**

Col. No. 3700. Open granitic slopes, Serra da Estrela. Prostrate shrub, forming large mats on rocks.

238697. *JUNIPERUS OXYCEDRUS* L. **Prickly juniper.**

Col. No. 3680. Serra do Mogadouro, between Mogadouro and Castelo Branco. Elevation 1,800 feet. Tree evergreen to 40 feet high; branches pendulous.

238698. *LONICERA ETRUSCA* Santi Caprifoliaceae. **Honeysuckle.**

Col. No. 3693. Above Rio Doura, Barca d'Alva, Spanish border. Semi-evergreen shrub; flowers creamy-yellow, suffused with purplish-red.

238681 to 238719—Continued

238699 and 238700. *NARCISSUS ASTURIENSIS* (Jord.) Pugsl. Amaryllidaceae.

238699. Col. No. 3677. Serra da Noqueira near Braganco. Flowers yellow.

238700. Col. No. 3699. Serra da Estrela. Flowers yellow.

238701. *NARCISSUS CYCLAMINEUS* Baker

Col. No. 3709. Moist banks of the Fareira River near Valonga. Flowers yellow.

238702. *NARCISSUS JONQUILLA* L.

Col. No. 3687. Banks of the Rio Douro, Barca d'Alva, Spanish border. Typical streambank type; flowers yellow, fragrant.

238703. *NARCISSUS PSEUDONARCISSUS* L.

Col. No. 3712. 'Early Maximus'. Garden, Entre Quintas, Oporto. Early flowering type.

238704. *NARCISSUS RUPICOLA* Dufour.

Col. No. 3684. Among large granite boulders, near the Rio Douro between Lagoaca and Freixo de Espada a Cinta. Elevation 1,800 feet. Flowers yellow; leaves grasslike; fragrant.

238705. *NARCISSUS SCABERULUS* Henriq.

Col. No. 3703. In crevices of granite boulders in pine woodland south of of Nelco, northeast Coimbra.

238706 to 238708. *NARCISSUS TRIANDRUS* L.

238706. Col. No. 3673. Acid soil in well-drained pine clad slopes, Serra de Marao, between Sao Goncaio and Vila Real. Plant to 10 inches high; flowers creamy-white, the perianth segments sometimes yellowish.

238707. Col. No. 3679. Among large granite boulders between Lagoaca, and Freixo de Espada a Cinta.

238708. Col. No. 3706. On north-facing, grassy slopes near Covilha, foothills of Serra da Estrela. Elevation 1,500 feet.

238709. *ORNITHOGALUM UNIFOLIUM* (L.) Ker. Liliaceae. **Star-of-Bethlehem.**

Col. No. 3702. Pockets of granite boulders near Oliveira do Hospital and Lagares. Elevation 4,200 feet. Flower stalks to 6 inches high; flowers white.

238710. *PAEONIA LUSITANICA* Mill. Ranunculaceae.

Col. No. 3681. Serra do Mogadouro, between Mogadouro and Castelo Bravo. Flowers red.

238711. *PINUS PINASTER* Ait. Pinaceae.

Pine.

Col. No. 3692. Near Covilha on road towards Manteigas. Evergreen tree to 50 feet high.

238712. *POLYGALA MICROPHYLLA* L. Polygalaceae.

Col. No. 3705. Near Luso along the Rio Alva. Plant spreading; flowers blue, very showy.

238713. *QUERCUS PYRENAICA* Willd. Fragaceae.

Oak.

Col. No. 3696. Serra da Marao between Sao Goncalo and Vila Real. Small scrubby tree.

238714. *ROSEMARINUS OFFICINALIS* L. Methaceae.

Col. No. 3701. Roadside near Oliveira do Hospital and Lagares. Perennial to 3 feet high; flowers pale lavender; used for hedges.

238715. *RHODODENDRON PONTICUM* L. Ericaceae.

Col. No. 3704. Along the Rio Merugo, east of Sao Joao da Merida, south of Porto. Shrub to 10 feet high.

238681 to 238719—Continued

238716. *NARCISSUS RUPICOLA* Duf. Amaryllidaceae.

Col. No. 3674. Serra de Marao between Sao Goncaio and Vila Real. Bulbs with single basal leaf; flowers light blue.

238717. *THYMUS CAESPITITUS* Brot. Menthaceae.

Thyme.

Col. No. 3672. Near Amarante. Spreading perennial.

238718. *CYTISUS* sp. Fabaceae.

Col. No. 3685. Banks of the Rio Douro at Barca d'Alva.

238719. *HELIANTHEMUM UMBELLATUM* Mill. Cistaceae.

Col. No. 3707. Serra do Mogadouro. (Seeds.)

238720 and 238721. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Argentina. Tubers presented by the Universidad Nacional de Tucuman, Casilla de Correo, San Miquel de Tucuman, through the Agricultural Attache, American Embassy, Buenos Aires. Received Apr. 9, 1957.

238720. Selection No. 474-544.

238721. Selection No. 481-371.

238722 to 238742.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 10, 1957. Collected Mar. 31, and Apr. 1, 1957.

238722. *TULBAGHIA VIOLACEA* Harv. Liliaceae.

Col. No. 3713. Garden, Porto. Plant bulbous; scapes to 3 feet high; flowers violet.

238723. *BEGONIA PAULENSIS* A. DC. Begoniaceae.

Col. No. 3734. Nursery of Moreira da Salva, Porto. Plant.

238724 to 238733. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**

238724. Col. No. 3720. 'Portuense'. Plant; leaves yellowish variegated to 2.5 inches long, 1 inch wide; peony-flowered, red, 3 inches in diameter. Quinta das Virtudes, Porto.

238725. Col. No. 3721. 'Saudade de Martins Branco'. Flowers to 5 inches in diameter, semiformal peony-flowered type; petals sanguine. (Cuttings.) Quinta das Virtudes, Porto.

238726. Col. No. 3722. 'Augusto Leal de Gauveia Pinto'. From the Companhia Horticola, Quinta das Virtudes, Porto.

238727. Col. No. 3724. 'Princesa Real'. Quinta do Meio, Entre Quintos, Porto. Flowers 2.5 inches in diameter, pink, formal. (Cuttings.)

238728. Col. No. 3726. 'Dona Jane Andresen'. Moreira da Silva Nursery, Porto. Flowers rose colored. (Cuttings.)

238729. Col. No. 3727. 'Dona Herzilia de Freitas Magalhaes'. Garden near Oporto. Flowers from bright crimson to deep violet. (Cuttings.)

238730. Col. No. 3729. 'Duarte de Oliveira'. Moreira da Silva Nursery, Porto. Flowers scarlet, white spotted, formal type. (Cuttings.)

238731. Col. No. 3730. 'Dr. Baltazar de Melo'. Moreira da Silva Nursery, Porto. Flowers to 4 inches in diameter, red and white striped. (Cuttings.)

238732. Col. No. 3731. 'Rainha Santa Isabel'. Moreira da Silva Nursery, Porto. Formal type; flowers pure white.

238733. Col. No. 3733. 'Lady Hume's Blush'. Garden, Entre Quintas, Porto. Bush large; flowers white, faint blush of pink; excellent for bouquets. (Cuttings.)

238722 to 238742—Continued

238734. *CAMELLIA SASANQUA* Thunb. **Sasanqua camellia.**

Col. No. 3725. 'Baronesa de Soutelinho'. Moreira da Silva Nursery, Porto. Flowers pink.

238735. *FREYLINIA CESTROIDES* Colla Scrophulariaceae.

Col. No. 3732. Moreira da Silva Nursery, Porto. Large evergreen shrub; leaves willowlike.

238736. *NARCISSUS JOHNSTONII* Pug. Amaryllidaceae.

Col. No. 3728. 'Queen of Spain'. Garden, Entre Quintas, Porto. (Bulbs.)

238737. *NARCISSUS JONQUILLA* L.

Col. No. 3715. 'Plena'. Garden, Entre Quintas, Porto. Double-flowering jonquil. (Bulbs.)

238738 and 238739. *NARCISSUS PSEUDONARCISSUS* L.

238738. Col. No. 3718. Serra d'Arga, Minho. Bicolored. (Bulbs.)

238739. Col. No. 3719. Garden of Quinta da meio, Oporto. Bicolored. (Bulbs.)

238740. *NARCISSUS TAZETTA* L.

Col. No. 3714. South of Coimbra near Santerem. Wild form. (Bulbs.)

238741. *NARCISSUS TRIANDRUS* L.

Col. No. 3717. Garden, Porto. Large-flowered form. (Bulbs.)

238742. *PANCRATIUM MARITIMUM* L. Amaryllidaceae.

Col. No. 3716. Coast at Oporto. (Bulbs.)

238743 and 238744. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

From Canada. Scions presented by the Dominion Experiment Station, Kentville, Nova Scotia. Received Apr. 10, 1957.

238743. 'Bristol Cross'.

238744. 'Pierre Corneille'.

238745. *ASPHODELUS ALBUS* Mill. Liliaceae.

From Spain. Plant collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Branch, Beltsville, Md. Received Apr. 10, 1957.

Col. No. 3641. Steep barren slopes above Pesajes de San Juan, near San Sebastian. Mar. 14, 1957. Tuberous-rooted perennial; flowers white with yellow base.

238746 and 238747. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Sweden. Seeds presented by Weibullsholm Plant Breeding Institute, Landskrona. Received Apr. 10, 1957.

238746. 'Atson'.

238747. 'Svenno'.

- 238748 to 238756.** *ZEA MAYS* L. Poaceae. **Corn.**
 From Italy. Seeds presented by the Ministry of Agriculture and Forestry, Bergamo. Received Apr. 11, 1957.
- | | |
|----------------------|----------------------|
| 238748. L03. | 238753. L032. |
| 238749. L08. | 238754. L033. |
| 238750. L010. | 238755. L058. |
| 238751. L011. | 238756. L072. |
| 238752. L012. | |
- 238757.** *ZEA MAYS* L. Poaceae. **Corn.**
 From Chile. Seeds obtained through the Agricultural Attaché, Santiago. Received Apr. 11, 1957.
 'CUSCO BLANCO'.
- 238758.** *LENS CULINARIS* Medic. Fabaceae. **Lentil.**
 From Belgium. Seeds presented by an unknown donor. Received Apr. 11 1957.
- 238759 to 238784.**
 From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 11, 1957. Collected Apr. 5 to 7, 1957.
 Cuttings unless otherwise noted.
- 238759.** *ADENOCARPUS COMPLICATUS* (L.) J. Gay Fabaceae.
 Col. No. 3779. Rocky meadow near the top of the Serra do Caramulo. Elevation 2,400 feet. Much-branched shrub to 6 feet high; leaves small, 3-foliolate; flowers yellow, streaked red.
- 238760.** *ANAGYRIS FOETIDA* L. Fabaceae.
 Col. No. 3763. Botanical Garden, Coimbra. Ashy-grey deciduous bush to 5 feet high; leaves 3-foliolate; flowers yellow, pea-shaped.
- 238761.** *ANTHYLLIS HERMANNIAE* L. Fabaceae.
 Col. No. 3747. Botanical Garden, Coimbra. Much-branched evergreen shrub to 4 feet high; branches spine-tipped; leaves narrow, linear; flowers yellow.
- 238762.** *ANTIRRHINUM LINKIANUM* Boiss. & Rent. Scrophulariaceae. **Snapdragon.**
 Col. No. 3768. Serra do Sico, near Ramalhaes, west of Pombal. Flowers pink.
- 238763.** *ARISTOTELIA CHILENSIS* (Mol.) Stuntz Elaeocarpaceae. **Macqui.**
 Col. No. 3770. Botanical Garden, Coimbra. Evergreen tree to 15 feet high; leaves to 4 inches long, lustrous green; flowers small, white.
- 238764.** *BOUGAINVILLEA GLABRA* Choisy ex DC. Nyctaginaceae.
 Col. No. 3766. Botanical Garden, Coimbra. 'Maud Chettlebourg'. Large scrambling shrub.
- 238765.** *BUDDLEIA CORDATA* H.B.K. Loganiaceae. **Butterflybush.**
 Col. No. 3764. Botanical Garden, Coimbra. Shrub to 10 feet.
- 238766.** *CESTRUM PURPUREUM* (Lindl.) Standl. Solanaceae.
 Col. No. 3775. Botanical Garden, Coimbra. Evergreen shrub to 6 feet high; branches arching, shoots downy; flowers reddish-purple, in pendulous clusters; very floriferous.
- 238767.** *CYTISUS PENDULINUS* L. f. Fabaceae. **Broom.**
 Col. No. 3781. Mountain side, Serra do Caramulo. Shrub to 10 feet high; branches arching; flowers deep yellow.

238759 to 238784—Continued

- 238768.** *EUPHORBIA CHARACIAS* L. Euphorbiaceae. **Spurge.**
Col. No. 3769. Roadside and in fields near Venda do Brazil, and near Penela, southeast of Condeixa. Much-branched perennial to 3 feet high; stems succulent.
- 238769.** *FICUS GLABELLA* Blume Moraceae. **Fig.**
Col. No. 3772. Botanical Garden, Coimbra. Evergreen tree to 20 feet high; leaves to 5 inches long, coriaceous, lustrous.
- 238770.** *FICUS PUMILA* L.
Col. No. 3759. Botanical Garden, Coimbra. Scrambling shrub, on walls.
- 238771.** *GNIDIA CARINATA* Thumb. Thymelaeaceae.
Col. No. 3757. Botanical Garden, Coimbra. Hardy shrub to 10 feet high; flowers sulphur yellow, very fragrant.
- 238772.** *HIBISCUS ROSA-SINENSIS* L. Malvaceae. **Chinese hibiscus.**
Col. No. 3761. 'Kermesinus'. Tropical greenhouse, Botanical Garden, Coimbra. Shrub to 10 feet high; flowers red, single.
- 238773.** *HIBISCUS LILIFLORUS* Cav.
Col. No. 3760. Greenhouse, Botanical Garden, Coimbra. Evergreen shrub to 6 feet high; flowers scarlet, single.
- 238774.** *IOCHROMA WARSCEWICZII* Regel Solanaceae.
Col. No. 3774. Botanical Garden, Coimbra. Shrub to 6 feet high; flowers pendulous, lavender-violet.
- 238775.** *JASMINUM ODORATISSIMUM* L. Oleaceae.
Col. No. 3762. Botanical Garden, Coimbra. Large shrub; flowers yellow, fragrant.
- 238776.** *MUEHLENBECKIA SAGITTIFOLIA* Meissn. Polygonaceae.
Col. No. 3771. Botanical Garden, Coimbra. Plant vigorous, evergreen scrambler, excellent for a wall or basket.
- 238777.** *NARCISSUS BULBOCODIUM* L. Amaryllidaceae. **Petticoat daffodil.**
Col. No. 3777. Bog 25 miles north of Coimbra. Plant 25 inches high; flowers yellow. (Bulbs.)
- 238778.** *NARCISSUS CALCICOLA* Mend.
Col. No. 3755. Humus pockets in rock crevices, Serra do Sico, near Ramalhas, west of Pombal. Elevation 1,200 feet. Dwarf type; flowers yellow.
- 238779.** *PARADISEA LUSITANICA* (Cout.) Sampaio Liliaceae.
Col. No. 3780. Moist meadows along streams, Serra do Caramulo. Elevation 2,400. Perennial to 3 feet high with fascicled tuberouslike roots; leaves basal, strap-shaped; flowers white. (Plants.)
- 238780.** *RHODODENDRON PONTICUM* L. Ericaceae. **Pontic rhododendron.**
Col. No. 3782. Along stream, Serra do Caramulo, near Vouzela. Elevation 900 feet.
- 238781.** *SCILLA* sp. Liliaceae.
Col. No. 3754. Serra do Sico, near Ramalhas, west of Pombal. Bulbous perennial to 8 inches high; flowers lilac (occasionally white.) (Bulbs.)
- 238782.** *SIMETHIS PLANIFOLIA* (Vand.) Gren. & Godr. Liliaceae.
Col. No. 3776. Open pine woods 12 miles north of Coimbra. Plants to 8 inches high; leaves to 4 inches long, narrow; flowers white. (Plants.)
- 238783.** *TEUCRIUM BETONICUM* L'Herit. Menthaceae.
Col. No. 3773. Botanical Garden, Coimbra. Evergreen shrub, flowers blue.

238759 to 238784—Continued**238784.** *VIBURNUM SUSPENSUM* Lindl. Caprifoliaceae.

Col. No. 3758. Botanical Garden, Coimbra. Evergreen shrub to 6 feet high; flowers white, fragrant.

238785. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Argentina. Tubers presented by the Foreign Agriculture Service, Washington, D.C. Received Apr. 11, 1957.

238786 to 238791. *MALUS SYLVESTRIS* Mill. Malaceae. **Common apple.**

From Great Britain. Scions presented by the East Malling Research Station, East Malling, near Maidstone, Kent, England. Received Apr. 12, 1957.

238786. 'Bramley'. **238789.** 'Lord Lambourne'.**238787.** 'Cox's Orange Pippin'. **238790.** 'Sir Isaac Newton'.**238788.** 'Laxtons Fortune'. **238791.** 'Worcester Pearmain'.**238792.** *ORNITHOGALUM ALGERIENSE* Jord. & Fourt. Liliaceae.

From Portugal. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 12, 1957.

Col. No. 3765. Botanical Garden, Coimbra. Apr. 5, 1957. Flowers striped green-white.

238793. *DIOSCOREA COMPOSITA* Hemsl. Dioscoreaceae. **Yam.**

From Mexico. Seeds presented by Dr. D. K. Cox, Syntex, S. A., Mexico City. Received Apr. 12, 1957.

Collected at El Girasol, Tierra Blanca, Veracruz.

238794 to 238798. *CITRUS SINENSIS* (L.) Osbeck. Rutaceae. **Sweet orange.**

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas. Received Apr. 12, 1957.

238794. 'Cadenera'. **238797.** 'Salustiana'.**238795.** 'Comuna'. **238798.** 'Victoria'.**238796.** 'Doble Fina'.**238799 to 238851.**

From New Guinea. Plants collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 12, 1957.

238799 to 238807. *SACCHARUM EDULE* Hassk. Poaceae. **Sugarcane.****238799 to 238802.** Native garden of Kaisenik near Wau. Mar. 26, 1957.**238799.** Col. No. 27. 'Ko-a'. Clone 57 NG 27.**238800.** Col. No. 28. 'Ko-a'. Clone 57 NG 28.**238801.** Col. No. 29. 'Ko-a'. Clone 57 NG 29.**238802.** Col. No. 40. 'Gui-ui'. Clone 57 NG 40.**238803 to 238806.** Village of Patep below Bulolo.**238803.** Col. No. 45. 'Musiga'. Mar. 28, 1957. Clone 57 NG 45.**238804.** Col. No. 46. 'Tubune'. Mar. 28, 1957. Clone 57 NG 46.**238805.** Col. No. 47. 'Balende'. Mar. 28, 1957. Clone 57 NG 47.**238806.** Col. No. 80. 'Sub-bum'. Apr. 1, 1957. Clone 57 NG 80.**238807.** Col. No. 82. 'Gonuba'. Dagua. Clone 57 NG 82. Apr. 2, 1957.

238799 to 238851—Continued**238808 to 238846.** SACCHARUM OFFICINARUM L. Poaceae. **Sugarcane.****238808 to 238821.** Native Garden near Nenyamya. Mar. 26, 1957.

238808. Col. No. 26. 'Kung-ga'. Clone 57 NG 26.

238809. Col. No. 30. 'Yo-ru'. Clone 57 NG 30.

238810. Col. No. 31. 'Korayabi'. Clone 57 NG 31.

238811. Col. No. 32. 'Kamayina'. Clone 57 NG 32.

238812. Col. No. 33. 'Tob'. Clone 57 NG 33.

238813. Col. No. 34. 'Kail'. Clone 57 NG 34.

238814. Col. No. 35. 'Wa-Leh'. Clone 57 NG 35.

238815. Col. No. 36. 'Lua-Vi'. Clone 57 NG 36.

238816. Col. No. 37. 'Gangalu'. Clone 57 NG 37.

238817. Col. No. 38. 'Gama-Revi'. Clone 57 NG 38.

238818. Col. No. 41. 'Lousanga'. Clone 57 NG 41.

238819. Col. No. 42. 'Kuaro'. Clone 57 NG 42.

238820. Col. No. 43. 'Yel-uk'. Clone 57 NG 43.

238821. Col. No. 48. 'Ngaia'. Elevation 2,500 feet. Clone 57 NG 48.

238822. Col. No. 57. 'Au'. Gogol River about 18 miles from Madang. Mar. 30, 1957. Clone 57 NG 57.**238823.** Col. No. 58. 'Dui'. Wagum Village, on Gogol River. Mar. 30, 1957. Clone 57 NG 58.**238824.** Col. No. 59. 'Gum'. Wagum Village. Mar. 30, 1957. Clone 57 NG 59.**238825 to 238829.** Madang. Mar. 30, 1957.

238825. Col. No. 60. 'Mal'. Clone 57 NG 60.

238826. Col. No. 61. 'Ma-Mai'. Clone 57 NG 61.

238827. Col. No. 62. 'Dou'. Clone 57 NG 62.

238828. Col. No. 63. 'Karan'. Clone 57 NG 63.

238829. Col. No. 64. 'Waip'. Clone 57 NG 64.

238830 to 238841. Mandi about 10 miles east of Wewak. Apr. 1, 1957.

238830. Col. No. 65. 'Yemben'. Clone 57 NG 65.

238831. Col. No. 66. 'Tu-Ra'. Clone 57 NG 66.

238832. Col. No. 68. 'Deg-Alem'. Clone 57 NG 68.

238833. Col. No. 69. 'Sakansu'. Clone 57 NG 69.

238834. Col. No. 70. 'Supol'. Clone 57 NG 70.

238835. Col. No. 72. 'Vai-Wa'. Clone 57 NG 72.

238836. Col. No. 73. 'Tu-Ra'. Clone 57 NG 73.

238837. Col. No. 74. 'Tu-Ra'. Clone 57 NG 74.

238838. Col. No. 75. 'Mung-Ar'. Clone 57 NG 75.

238839. Col. No. 76. 'Roke'. Clone 57 NG 76.

238840. Col. No. 77. 'Ara-Maia'. Clone 57 NG 77.

238841. Col. No. 78. 'Kenya Pai'. Clone 57 NG 78.

238842 to 238846. Between Lae and Bulolo. Mar. 28, 1957. Elevation 2,500 feet.

238842. Col. No. 49. 'Bo-ba-ga'. Clone 57 NG 49.

238799 to 238851—Continued**238808 to 238846—Continued****238842 to 238846—Continued**

238843. Col. No. 50. 'Ke-tum-bok'. Clone 57 NG 50.

238844. Col. No. 51. 'Keti-ma'. Clone 57 NG 51.

238845. Col. No. 52. 'En-E-ba'. Clone 57 NG 52.

238846. Col. No. 53. 'Tam-Bi'. Clone 57 NG 53.

238847 to 238850. SACCHARUM ROBUSTUM Brandes & Jesw. Poaceae.**Sugarcane.**

238847. Col. No. 44. Snake River near Mumeng, below Bulolo. Mar. 28, 1957. Clone 57 NG 44.

238848. Col. No. 54. Roadside 10 miles north of Madang. Mar. 29, 1957. Clone 57 NG 54.

238849. Col. No. 55. Ten miles north of Madang. Mar. 29, 1957. Clone 57 NG 55.

238850. Col. No. 56. Twenty miles west of Madang. Mar. 30, 1957. Clone 57 NG 56. Exceptionally large.

238851. (Undetermined.)

Col. No. 599. 'Mumeng'. Feb. 28, 1957. Halophyte. Looks like a corn relative.

238852 to 238866.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received Apr. 15, 1957.

238852 to 238854. MICROSTEGIUM SPECTABILE (Trin.) A. Camus Poaceae.

238852. Col. No. 593. Head of airstrip, Wantoat. Mar. 25, 1957. Elevation 3,700 feet.

238853. Col. No. 615. Bulolo. Mar. 26, 1957. Elevation 2,500 feet.

238854. Col. No. 617. Bulolo hillside. Mar. 26, 1957. Elevation 2,350 feet.

238855. MISCANTHUS FLORIDULUS (Labill.) Warb. Poaceae.**Silvergrass.**

Col. No. 623. Hillside, Edie Creek Road above Wau. Mar. 27, 1957.

238856 to 238863. SACCHARUM ROBUSTUM Brandes & Jesw. Poaceae.**Sugarcane.**

238856. Col. No. 616. Korlte River, Menyamya. Mar. 26, 1957.

238857. Col. No. 626. Along Snake River, 21 miles from Bulolo on road to Lae. Mar. 28, 1957. Elevation 2,000 feet.

238858. Col. No. 627. Along Suala River near Mumeng. Mar. 28, 1957.

238859. Col. No. 629. Bank of Snake River, 21 miles from Bulolo, on road to Lae. Mar. 28, 1957. Elevation 2,000 feet.

238860. Col. No. 631. About 10 miles north of Madang on Bigesa River. Mar. 29, 1957.

238861. Col. No. 632. Along Gun River about 6 miles from Madang. Mar. 30, 1957.

238862. Col. No. 633. Twenty-four miles from Madang.

238863. Col. No. 642. Brandi River about 10 miles east of Wewak. Apr. 1, 1957.

238864 and 238865. SACCHARUM SPONTANEUM L. Poaceae.**Sugarcane.**

238864. Col. No. 586. Fourteen miles from Lae on Yalu River. Mar. 24, 1957.

238852 to 238866—Continued**238864 to 238865—Continued**

238865. Col. No. 587. Between Erap River and Rumu River. Mar. 24, 1957.

238866. *THYSANOLAENA MAXIMA* (Roxb.) Kuntze Poaceae.

Col. No. 614. Bulolo. Mar. 26, 1957. Elevation 2,350 feet.

238867 to 238884.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 15, 1957. Collected Apr. 1 to 5, 1957.

238867. *ANTHURIUM DIGITATUM* G. Don Araceae.

Col. No. 3744. Greenhouse, Botanical Garden, Coimbra. A handsome foliage species; leaves deep green, lustrous, leathery, digitately divided, to 8 inches wide; petioles to 3 feet long.

238868. *APOLLONIAS CANARIENSIS* Nees Lauraceae.

Col. No. 3750. Botanical Garden, Coimbra. Handsome evergreen tree to 20 feet high, much-branched and forming a round crown; leaves to 5 inches long, aromatic.

238869. *BENCOMIA CAUDATA* Webb & Berth. Rosaceae.

Col. No. 3749. Botanical Garden, Coimbra. Small shrub.

238870. *CAMELLIA JAPONICA* L. Theaceae.

Common camellia.

Col. No. 3740. Palace Hotel garden, Bussaco, northeast of Coimbra. Leaves very dark green, unusually thick; flowers formal, pure white; very floriferous.

238871. *DRYANDRA* sp. Proteaceae.

Col. No. 3735. Moreira da Silva Nursery, Porto. Small evergreen tree; leaves green above, white below.

238872. *GREWIA POPULIFOLIA* Vahl Tiliaceae.

Col. No. 3752. Botanical Garden, Coimbra. Evergreen tree to 20 feet high.

238873. *HALLERIA LUCIDA* L. Scrophulariaceae.

Col. No. 3748. Botanical Garden, Coimbra. Shrub to 10 feet high; flowers tubular, reddish-yellow.

238874. *HEBANTHE PANICULATA* (Moq.) Benth. & Hook. Amaranthaceae.

Col. No. 3746. Botanical Garden, Coimbra. Vigorous climber; flowers whitish.

238875. *KOHLERIA AMABILIS* (Planch. & Lind.) Fritsch Gesneriaceae.

Col. No. 3742. Botanical Garden, Coimbra. Perennial; leaves hairy, large, red-speckled; flowers pouchlike. 'Longwood'.

238876. *ADHATODA VASICA* Nees Acanthaceae.

Col. No. 3751. Botanical Garden, Coimbra. Shrub to 8 feet high; flowers white.

238877 and 238878. *NARCISSUS BULBOCODIUM* L. Amaryllidaceae.

Petticoat daffodil.

238877. Col. No. 3739. Grassy meadows along Penacova-Liso road, 12 miles from Coimbra. A hexaploid form, nearly 1 foot high. (Bulbs.)

238878. Col. No. 3739. (Seeds of 238877.)

238867 to 238884—Continued

238879 and 238880. *NARCISSUS TRIANDRUS* var. *CONCOLOR* (Haw.) Bak.

238879. Col. No. 3738. Between Mizarela and Caneiro 6 mi. from Coimbra. (Seeds.)

238880. Bulbs of 238879.

238881. *PEPEROMIA VERTICILLATA* A. Dietr. Piperaceae.

Col. No. 3743. Greenhouse, Botanical Garden, Coimbra. Succulent plant to 10 inches high; leaves whorled.

238882. *PHAEDRANTHUS BUCCINATORIUS* (Maire) Miers Bignoniaceae.

Col. No. 3745. Botanical Garden, Coimbra. Rank, woody climber; flowers to 3 inches long, trumpet-shaped, orange-red.

238883. *SCHEFFLERA VENULOSA* (Wight & Arn.) Harms Araliaceae.

Col. No. 3753. Botanical Garden, Coimbra. Large evergreen shrub; leaves lustrous, handsome.

238884. *SOPHORA JAPONICA* L. Fabaceae. **Chinese scholartree.**

Col. No. 3741. 'Pendula'. Palace Hotel graden, Bussaco.

238885 and 238886. *LOLIUM MULTIFLORUM* Lam. Poaceae.

Italian ryegrass.

From France. Seeds presented by the Station Centrale de Genetique et d'Amelioration des Plantes, Versailles. Received Apr. 15, 1957.

238885. 'Rina'.

238886. 'Rita'.

238887 to 238911.

From Mexico. Seeds collected by H. S. Gentry and E. P. Imle, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 15, 1957.

238887. *AGAVE* sp. Amaryllidaceae.

Col. No. 16433. By Rio Chiapa, along road to Cupia, Chiapas. Mar. 21, 1957. Yellow-green rosettes.

238888. *AMPHILOPHIUM PANICULATUM* (L.) H.B.K. Bignoniaceae.

Col. No. 60. Sierra Sumiders, above Tuxtla Gutierrez, Chiapas. Mar. 17, 1957.

238889. *BIGNONIA* sp. Bignoniaceae.

Col. No. 63. Bejuco de Aio, near Ejido Grivalja, Chiapas. Mar. 17, 1957. Vine; flowers pale pink-blue.

238890. *DESMODIUM DISTORTUM* (Aubl.) Macbr. Fabaceae. **Beggarweed.**

Col. No. 16410. North of Villa Flores, Arkose. Mar. 20, 1957.

238891. *DESMODIUM CINERASCENS* Gray **Beggarweed.**

Col. No. 16418. Arroyo de San Andres along road to Villa Flores. Mar. 20, 1957. Virgate shrub to 6 feet high.

238892. *DESMODIUM* sp.

Col. No. 61. Sierra Simidera above Tuxtla Gutierrez, Chiapas. Mar. 17, 1957. Plant leafless but bearing large tufts of seeds at ends of branches.

238893 to 238903. *DIOSCOREA SPICULIFLORA* Hemsl. Dioscoreaceae. **Yam.**

238893. Col. No. 56B. Barbasco, above Tuxtla Gutierrez, road to Canon del Sumidero.

238894. Col. No. 16399. Barbasco Blanco, Colonio Grijalva near Chiapas. Mar. 16, 1957. Elevation 2,400 feet.

238887 to 238911—Continued**238893 to 238903—Continued**

- 238895.** Col. No. 16400. Colonia Grijalva near Chiapa, Chiapas. Mar. 16, 1957. Elevation 2,400 feet.
- 238896.** Col. No. 16408. East of Cardenez along road to Villa Flores, Chiapas. Mar. 19, 1957.
- 238897.** Col. No. 16414. Rancho Reforma, near Villa Flores. Mar. 19, 1957.
- 238898.** Col. No. 16417. Along road from Villa Flores to Cardenez, Arkose.
- 238899.** Col. No. 16419. Cardenez along road to Villa Flores. Mar. 20, 1957.
- 238900.** Col. No. 16420. Cardenez near Villa Flores, Chiapas. Mar. 20, 1957.
- 238901.** Col. No. 16421. Three miles east of Cardenez, near Villa Flores, Chiapas. Mar. 20, 1957.
- 238902.** Col. No. 16427. Three miles east of Cardenez, near Villa Flores, Chiapas. Mar. 20, 1957.
- 238903.** Col. No. 16432. Near Rio Chiapa, along road to Cupia, Chiapas. Mar. 21, 1957.

238904. *DIOSCOREA* sp.

Col. No. 58. Above Tuxtla Gutierrez, Chiapas. Mar. 17, 1957.

238905. *DIOSCOREA* sp.

Col. No. 59. Near overlook above Tuxtla Gutierrez, Chiapas. Mar. 17, 1957.

238906. *DIOSCOREA* sp.

Col. No. 16401. Colonia Grijalva near Chiapa, Chiapas. Mar. 20, 1957.

238907. *DIOSCOREA* sp.

Col. No. 16409. Villa Flores, Chiapas. Mar. 20, 1957.

238908. *JACQUINIA* sp. Theophrastaceae.

Col. No. 16422. East of Cardenez, along road to Villa Flores, Chiapas. Mar. 20, 1957. Shrub; leaves dark-green; fruits orange.

238909. *CAPSICUM STRAMONIFOLIUM* (H. B. K.) Standl. Solanaceae.

Col. No. 16430. Between Villa Flores and Cardenez, Chiapas. Mar. 20, 1957. Shrub; stems green.

238910. *MIMOSA* sp. Mimosaceae.

Col. No. 16411. North of Villa Flores, Chiapas. Virgate perennial.

238911. *SOLANUM SEAFORTHIANUM* Andrews Solanaceae.

Col. No. 16449. Tierra Blanca, Vera Cruz. Mar. 24, 1957. Perennial, scandent, ornamental; flowers white.

238912 and 238913.

From the Gold Coast. Seeds presented by E. A. Menninger, Stuart, Fla. Received Apr. 15, 1957.

Collected at Kumasi.

238912. *BAUHINIA* sp. Caesalpinaceae.**238913.** *PENTACLETHRA MACROPHYLLA* (Vidal) Merr. & Rolfe Mimosaceae.

238914 to 238918. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Hungary. Seeds presented by Dr. Andor Janossy, Novenyfajtakistrleti Intezet, Budapest. Received Apr. 15, 1957.

238914. 'Bankuti Oshonos' III.-II.-6.

238915. 'Hegyfalui Tajfajta' III.-II.-1. ,

238916. 'Keszthelyi Oshonos, III,-II.-7.

238917. 'Nagyszénási Oshonos' III.-II.-3.

238918. 'Szarvasi Oshonos' III.-II.-5.

238919. AGAVE LECHEGUILLA Torr. Amaryllidaceae.

From the United States. Plant presented by Barton H. Warnock, Sul Ross State College, Alpine, Texas. Received Apr. 15, 1957.

238920 to 238925. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Czechoslovakia. Seed presented by the Genetic Station, Prague. Received Apr. 15, 1957.

238920. 'Brillmayerova Giesenska'.

238921. 'Dieckman Black'.

238922. 'Dornburger Weisbluhende'.

238923. 'Giesenska Early Yellow'.

238924. 'Kirches Stamm 2008'.

238925. 'Roudnicka Black'.

238926 to 238933. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Japan. Seeds presented by the National Hygienic Laboratory, Tamagawayogamchi, Setagaya-ku, Tokyo. Received Apr. 15, 1957.

238926. 'Bikuni'. Susceptible.

238927. 'Isemame'. Resistant.

238928. 'Kanto No. 21'. Resistant.

238929. 'Karihatakiya'. Susceptible.

238930. 'Shatukinnashi'. Resistant.

238931. 'Shinhonen'. Resistant.

238932. 'Torinagane'. Susceptible.

238933. 'Yonryuki'. Resistant.

238934 to 238936.

From Morocco. Seeds presented by the Ministère d l'Agriculture, Service de l'Horticulture, Rabat. Received Apr. 14, 1957.

238934. *SENECIO CINERARIA* DC. Asteraceae.

Groundsel.

238935. *PSIDIUM* sp. Myrtaceae.

238936. *STRELITZIA ALBA* (L.f.) Skeels Musaceae.

238937 to 238939.

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Palmerston. Received Apr. 15, 1957.

238937. *LOLIUM MULTIFLORUM* Lam. Poaceae.

Italian ryegrass.

'N.Z. Bb 429'.

238938. *LOLIUM PERENNE* L.

Perennial ryegrass.

'N.Z. Ba 104'.

238939. *LOLIUM MULTIFLORUM* Lam.

Italian ryegrass.

'N.Z. Cg 110'.

238940 to 238945.

From Great Britain. Seeds presented by F. R. Irvine, Tavistock Square, London, England. Received Apr. 15, 1957.

Originally from northern Nigeria.

238940. *CERATOTHECA SESAMOIDES* Endl. Pedaliaceae.

238941 to 238945. *VOANDZEIA SUBTERRANEA* (L.) Thouars Fabaceae.

238941. 'Bambara Purple'. Grown at Ibadan.

238942. L 809.

238943. L 912.

238944. 'L 1001 Montol'. From Langtang.

238945. 'L 1091 Gurjiya'. Purple and cream.

238946 to 238956.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 16, 1957. Collected Apr. 5 to 9, 1957.

238946. *BRUNSVIGIA ROSEA* (Lam.) Hannibal Amaryllidaceae.

Col. No. 3778. Near Vouzla, Serra do Caramulo. Moist woodland. (Bulbs.)

238947. *BEGONIA MAXIMA* Klotsch Begoniaceae.

Col. No. 3786. Estufa Fria, Lisbon. Stems deeply angled. (Cuttings.)

238948. *DOMBEYA BURGESSIAE* Gerr. Sterculiaceae.

Col. No. 3788. Jardim Coloniale, Lisbon. Subtropical evergreen shrub to 12 inches high; leaves to eight inches wide, hairy; flowers pink, long-peduncled, terminal, pendulous clusters. (Cuttings.)

238949. *ERYTHRINA CORALLODENDRUM* L. Fabaceae. **Coral tree.**

Col. No. 3791. Museo Agricola do Ultramar, Belem, Lisbon. Tree to 20 feet high; old branches unarmed, new ones spiny; flowers scarlet, terminal on the ends of leafless branches. (Plants.)

238950. *FICUS MAGNOLIODES* Borzi Moraceae. **Fig.**

Col. No. 3789. Jardim Coloniale, Lisbon. Evergreen tree to 60 feet high, stilt-roots; leaves to eight inches long, lustrous, deep green. Ornamental (Cuttings.)

238951. *GENISTELLA TRIDENTATA* (L.) Sampaio Fabaceae.

Col. No. 3783. Serra do Caramulo. Shrub; flowers deep yellow. (Plant and cuttings.)

238952. *IRIS ALATA* Poir. Iridaceae. **Scorpion iris.**

Col. No. 3784. Near Venda do Brasil, southeast of Condeixa. Limestone slopes. (Corms.)

238953. *IRIS BIFLORA* L.

Col. No. 3785. Open stony slopes in limestone region, near Venda do Brasil, southeast of Condeixa. Plant 6 inches high; flowers blue to violet-purple.

238954. *IRIS SISYRINCHIUM* L. **Moraea iris.**

Col. No. 3756. Near Venda do Brasil, southeast of Condeixa. Flowers deep blue. (Corms.)

238955. *OREOPANAX CAPITATUM* Decne. & Planch. Araliaceae.

Col. No. 3787. Jardim Coloniale, Lisbon. Evergreen tree to 25 feet high; crown spreading; leaves to 8 inches long, deep green, lustrous. Reputedly kills bees attempting to pollinate the flowers.

238956. *PODOCARPUS MANMII* Hook. f. Taxaceae.

Col. No. 3790. Jardim Coloniale, Lisbon. Evergreen tree. (Cuttings.)

238957 to 238969. GOSSYPIUM (hybrids). Malvaceae. Cotton.

From Japan. Seeds presented by Anderson, Clayton & Company Agency, Osaka.
Received Apr. 16, 1957.

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| 238957. 'Adona'. | 238964. 'Kings Improved'. |
| 238958. 'Cook (or Coker)'. | 238965. 'Matsumura No. 1'. |
| 238959. 'Filestani'. | 238966. 'Matsumura No. 2'. |
| 238960. 'Guatemala'. | 238967. 'Matsumura No. 3'. |
| 238961. 'Izmir'. | 238968. 'Mozambique'. |
| 238962. 'Kanno No. 1'. | 238969. 'Nicaragua'. |
| 238963. 'Kanno No. 17'. | |

238970. NICOTIANA ACAULIS Speg. Solanaceae. Tobacco.

From Argentina. Seeds presented by the Estacion Experimentale Balcarce,
Buenos Aires. Received Apr. 16, 1957.

238971. GOSSYPIUM sp. Malvaceae.

From Great Britain. Seed presented by the Empire Cotton Growing Corporation,
London, England. Received Apr. 16, 1957.

Collected in Central Tanganyika.

238972 to 238973.

From Portugal. Roots collected by F. G. Meyer, agricultural explorer, Plant
Introduction Section, Crops Research Division, Beltsville, Md. Received
Apr. 16, 1957.

Botanic Garden, Coimbra.

238972. *RANUNCULUS ASIATICUS* L. Ranunculaceae.
238973. *RANUNCULUS CICARIA* L.

238974. LARIX × EUROLEPIS Henry Pinaceae. Dunkeld larch.

From Austria. Seeds presented by Julius Stainer, Klenganstalten, Vienna.
Received Apr. 16, 1957.

238975 to 238979. CYNODON DACTYLON (L.) Pers. Poaceae.**Bermudagrass.**

From Kenya. Roots presented by the Grassland Research Station, Department
of Agriculture, Kitale. Received Apr. 16, 1957.

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| 238975. K 5928. | 238978. K 53647. |
| 238976. K 51424. | 238979. K 53672. |
| 238977. K 51426. | |

238980 and 238981. PINUS KORAIENSIS Sieb. & Zucc. Pinaceae.**Korean pine.**

From Japan. Seed presented by the Foreign Agricultural Service, Washington,
D.C.

238980. No. 110. Hokkaido Prefecture.
238981. Precincts of Genshoji Temple, Kitayama, Iwate Prefecture.

238982 to 238987.

From the Netherlands. Seeds presented by J. van Gilst, Vogelenzang, Randi-
vick. Received Apr. 17, 1957.

238982. *AVENA SATIVA* L. Poaceae. **Common oats.**

238982 to 238987—Continued

238983. *BETA VULGARIS* L. Chenopodiaceae. Beet.
 238984. *BRASSICA OLERACEA* var. *GONGYLODES* L. Brassicaceae. Kohlrabi.
 238985. *LUPINUS LUTEUS* L. Fabaceae. European yellow lupine.
 238986. *PHLEUM PRATENSE* L. Poaceae. Timothy.
 238987. *POA TRIVIALIS* L. Poaceae. Roughstalk bluegrass.

238988 to 239001. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.

From Greece. Seeds presented by the Hellenic Agricultural Research Station, Larissa. Received Apr. 17, 1957.

238988. M.4317. Rhodes.
 238989. M.4363. Paros.
 238990. M.4602. Palamas-Karditsas.
 238991. M.4614. Atalanti-Phthiotidos.
 238992. M.4615. Samos.
 238993. M.4616. Agrinion.
 238994. M.4617. Kythnos.
 238995. M.4619. Gastouni.
 238996. M.4621. Aetolia.
 238997. M.4637. Messini-Peloponnissos.
 238998. M.5353. Agrinion.
 238999. M.5354. Lamia.
 239000. M.5571. Elassona-Larissa.
 239001. M.5597. Rhodes.

239002 and 239003. *GOSSYPIUM* (hybrids). Malvaceae. Cotton.

From France. Seeds presented by the Institut de Recherches du Coton, Paris. Received Apr. 17, 1957.

239002. 'Allen 58-151'.
 239003. 'Soumbe A 2589'.

239004 to 239018.

From India. Bulbs presented by the National Botanic Gardens. Lucknow. Received Apr. 19, 1957.

239004. *HABRANTHUS ROBUSTUS* Herbert. Amaryllidaceae.
 239005. *ZEPHYRANTHES CITRINA* Baker Amaryllidaceae. Zephyrlily.
 239006 to 239018. *ZEPHYRANTHES* (hybrids). Zephyrlily.
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| 239006. No. 2. | 239013. No. 26. |
| 239007. No. 3. | 239014. No. 31. |
| 239008. No. 4. | 239015. No. 39. |
| 239009. No. 8. | 239016. No. 42. |
| 239010. No. 14. | 239017. No. 71. |
| 239011. No. 16. | 239018. No. 77. |
| 239012. No. 22. | |

239019 to 239030. FRAGARIA VESCA L. Rosaceae.**European strawberry.**

From Germany. Plants presented by the Institut für Gartenbau, Dresden-Pillnitz. Received Apr. 19, 1957.

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| 239019. 'Aprikose'. | 239026. 'Prinz Julius Ernst'. |
| 239020. 'Johannes Muller'. | 239027. 'Roter Elefant'. |
| 239021. 'Laxton's Nobel'. | 239028. 'Sharpless'. |
| 239022. 'Lucida Perfecta'. | 239029. 'Verbesserte Lucida Perfecta'. |
| 239023. 'Luise'. | 239030. 'Wunder von Kothen'. |
| 239024. 'Mieze Schindler'. | |
| 239025. 'Panther'. | |

239031. CINNAMOMUM CASSIA Blume Lauraceae. Cassiabark-tree.

From Hong Kong. Seeds presented by the Department of Agriculture, Fisheries and Forestry, Laichikok, Kowloon. Received Apr. 19, 1957.

Grown at Castle Peak.

239032. ZEA MAYS L. Poaceae. Corn.

From Turkey. Seeds presented by the Tohum Islah Istasyonu, Samsun. Received Apr. 19, 1957.

Grown at the Experiment Station of Eskisehir. Yellow flint type; open-pollinated.

239033 and 239034,

From Israel. Seeds presented by the Forest Research Institute, Ilanot. Received Apr. 19, 1957.

239033. ACACIA RADDIANA Savi Mimosaceae.

239034. ACACIA SPIROCARPA Hochst.

239035. HYMENOCALLIS AMANCAES (Ruiz. & Pav.) Nichols. Amaryllidaceae. Spiderlily.

From Peru. Bulbs presented by E. E. Smith, Lomas de Atocongo, near Lima. Received Apr. 22, 1957.

239036. ALLIUM CHAMOEMOLY L. Liliaceae.

From Italy. Bulbs presented by the Instituto di Patologia Vegetale e Microbiologia Agraria e Technica, Catania. Received Apr. 22, 1957.

239037 to 239056.

From Morocco. Seeds presented by the Centre de Recherches Agronomiques, Rabat. Received Apr. 22, 1957.

239037 to 239040. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

239037. 'Cote d'Ivoire-236'. Originally from the Ivory Coast.

239038. 'De Bombay'. Originally from Bombay, India.

239039. 'Koulikono'.

239040. 'Sakaria'.

239041 to 239043. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.

239041. C.R.A.

239042. C5-51.

239043. C3-23.

239037 to 239056—Continued

- 239044 to 239055.** *LINUM USITATISSIMUM* L. Linaceae. **Common flax.**
239044. No. 10. **239050.** No. L.G. 0189 B.
239045. No. 11. **239051.** No. L.G. 0195-4.
239046. No. 129. **239052.** No. 1015.
239047. No. 205. **239053.** No. 1048.
239048. No. 547. **239054.** No. 1049.
239049. No. 549. **239055.** No. 1051.
239056. *PHASEOLUS ACUTIFOLIUS* var. *LATIFOLIUS* G. F. Freeman Fabaceae.
Tepary bean.

239057 to 239071.

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 23, 1957. Collected Apr. 10 to 14, 1957.

- 239057.** *GENISTA CINEREA* DC. Favaceae.
 Col. No. 3802. Along open, rocky slopes, Mediterranean Coast, west of Motril, Malaga. (Cuttings.)
- 239058.** *GLADIOLUS ILLYRICUS* Koch Iridaceae.
 Col. No. 3796. Dry, rocky, south facing slopes, 12 miles southwest of Seville. Plant to 14 inches high; flowers rose-red. (Bulbs.)
- 239059.** *HEDERA HELIX* L. Araliaceae. **English ivy.**
 Col. No. 3795. Nursery of Viversa Andres, Seville. Plant extremely vigorous; young leaves large. (Cuttings.)
- 239060.** *IRIS SISYRINCHIUM* L. Iridaceae. **Moraea iris.**
 Col. No. 3797. Southeast of Seville. (Bulbs.)
- 239061 and 239062.** *NARCISSUS BULBOCODIUM* L. Amaryllidaceae. **Petticoat daffodil.**
- 239061.** Col. No. 3794. Wet swale on open hill slopes near Val de Flores, 35 miles north of Seville. Plant to 8 inches high. (Bulbs.)
- 239062.** Col. No. 3794. Seeds of 239061.
- 239063.** *NARCISSUS JONQUILLA* L.
 Col. No. 3792. Among stones and sand along banks of Rio Guardiania near Serpa. Flowers yellow; leaves grasslike. (Bulbs.)
- 239064.** *NERIUM OLEANDER* L. Apocynaceae. **Oleander.**
 Col. No. 3805. Open rocky hillsides and in canyons along Mediterranean coast at Motril, Province Granada. Evergreen shrub to 8 feet high; flowers deep pink. Wild form. (Cuttings.)
- 239065.** *PAEONIA OFFICINALIS* L. Ranunculaceae. **Peony.**
 Col. No. 3793. Woods in stony red soil, Sierra Aracena, about 1.5 miles west of Aracena. Perennial to 2 feet high; flowers pink, 4 inches across. (Plants.)
- 239066.** *CNEORUM TRICOCCON* L. Cneoraceae.
 Col. No. 3804. Along Mediterranean Coast west of Motril, Province Malaga. Evergreen shrub; flowers yellow.
- 239067.** *TEUCRIUM* sp. Menthaceae.
 Col. No. 3798. Southeast of Seville along road N. 334. Stiff erect shrub to 14 inches high; leaves aromatic, dimorphic.
- 239068.** *ODONTOSPERMUM MARITIMUM* Sch.-Bip. Asteraceae.
 Col. No. 3799. East of Malaga along road following Mediterranean Sea. Plant mostly decumbent; flowers yellow. (Cuttings.)

239057 to 239071—Continued**239069.** *ONONIS SPECIOSA* Lag. Fabaceae.

Col. No. 3800. West of Motril, Province of Malaga. Shrub densely branched; flowers lemon yellow. (Cuttings.)

239070. *TEUCRIUM POLIUM* L. Menthaceae.

Col. No. 3801. Along Mediterranean Coast east of Malaga. Erect aromatic perennial; flowers small, white. (Cuttings.)

239071. *GENISTA EQUISETIFORMIS* Spach Fabaceae.

Col. No. 3803. Along rocky slopes of Mediterranean Coast west of Motril. Plant densely branched; stems gray-green; flowers chartruese. (Cuttings.)

239072. *ORYZA SATIVA* L. Poaceae.**Rice.**

From the Union of South Africa. Seeds presented by the Agricultural Attache, American Embassy, Pretoria. Received Apr. 23, 1957.

'Dalerue Indian 4'.

239073 and 239074. *ORYZA SATIVA* L. Poaceae.**Rice.**

From Japan. Seeds developed and presented by the National Institute of Agricultural Sciences, Nishigahara, Kita-ku, Tokyo. Received Apr. 23, 1957.

Hirat-suka, Kanagawa.

239073. 'Rei-shi-ko'.**239074.** 'To-to'.**239075.** *ORYZA SATIVA* L. Poaceae.**Rice.**

From Ceylon. Seeds presented by the Senior Agricultural Research Officer, Peradeniya. Received Apr. 23, 1957.

'Murunga-307'.

239076 to 239082.

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received Apr. 24, 1957.

239076. *BOEHMERIA BILOBA* Wedd. Urticaceae.

Col. No. 3813. Botanical Garden, Madrid. Apr. 18, 1957. Coarse perennial to 30 inches high; leaves to 6 inches long, bright green, roughened, often 2 to 3 lobed. (Cuttings.)

239077. *CENISTA CINEREA* DC. Fabaceae.

Col. No. 3808. Road to Jaen. Apr. 17, 1957. Densely branched plant to 4 feet high; flowers deep yellow. (Plant.)

239078. *CYTISUS SCOPARIUS* (L.) Link**Scotch broom.**

Col. No. 3809. Along river bank, 6 miles north of Jaen. Much-branched shrub to 3 feet high; flowers deep yellow. (Plant.)

239079. *FRAXINUS EXCELSIOR* L. Oleaceae.**European ash.**

Col. No. 3807. 'Pendula'. Jardim de l'le Aranjuez, Madrid. Apr. 17, 1957. Deciduous tree; branches pendulous. (Scions.)

239080. *JUNIPERUS OXYCEDRUS* L. Pinaceae.**Prickly juniper.**

Col. No. 3811. Among granite boulders near El Escorial, Province Madrid. Apr. 18, 1957. Tree to 30 feet high. (Seeds.)

239081. *JUNIPERUS SABINA* L.**Savin juniper.**

Col. No. 3806. Open rocky mountain slopes, Sierra Nevada Mountains. Elevation 6,000 feet. Apr. 15, 1957. Prostrate shrub to 14 inches high; branches spreading. (Cuttings.)

239076 to 239082—Continued

239082. *NARCISSUS TRIANDRUS* L. Amaryllidaceae.

Col. No. 3810. North-facing slopes in decomposed granitic soil near El Escorial, Province Madrid. Apr. 18, 1957. Low-growing plant, to 6 inches high; flowers creamy-white. Dwarf form. (Bulbs.)

239083 to 239093. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Germany. Seeds presented by the Agricultural Attache, American Embassy, Bonn-Bad Godesberg. Received Apr. 24, 1957.

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| 239083. 'Carsten V'. | 239089. 'Rimpaus Braunweizen'. |
| 239084. 'Ebersbacher Weissweizen'. | 239090. 'Salzmunder Standart'. |
| 239085. 'Heines II'. | 239091. 'Strubes Fruhweizen'. |
| 239086. 'Heines IV Winterweizen'. | 239092. 'Strubes General'. |
| 239087. 'Mahndorfer Tempo'. | 239093. 'Svalofs Kronenweizen'. |
| 239088. 'Rimpaus Bastard II'. | |

239094 to 239098. SACCHARUM (hybrids). Poaceae. **Sugarcane.**

From British West Indies. Cuttings presented by the Director of Agriculture, Bridgetown, Barbados. Received Apr. 24, 1957.

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| 239094. B4788. | 239097. B49119. |
| 239095. B47258. | 239098. B50112. |
| 239096. B47419. | |

239099 to 239117. ZEA MAYS L. Poaceae.**Corn.**

From Yugoslavia. Seeds presented by the Institute for Plant Breeding and Plant Production, Zemum. Received Apr. 24, 1957.

- 239099.** 'Beljiki Zlatni Zuban'.
239100. 'Bosanac Lijenac'.
239101. 'Bosanac Zutao'.
239102. 'Brzak Osjek'.
239103. 'Dolenska Hitrica'.
239104. 'Krizevacki Osmak'.
239105. 'Ladjevac'.
239106. 'Maksikirski Zlatni Zuban'.
239107. 'Milicevicev'.
239108. 'Novosadski Beli Zuban'.
239109. 'Osmak Orogatica'.
239110. 'Rumena Bohinjka'.
239111. 'Rumski Ziayni Uban'.
239112. 'Sirokozrni Osmak-Istra'.
239113. 'Staklasti Sirokozrni Osmak'.
239114. 'Staklenac Zuti'.
239115. 'Viseredni Timocki Beli Tvrđunac'.
239116. 'Viseredni Timocki Zuti Tvrđunac'.
239117. 'Vukovarski Zuban'.

239118. SORGHUM VULGARE Pers. Poaceae.

From the Philippines. Seeds presented by H. R. Espino, Cadiz, Negros Occidental. Received Apr. 24, 1957.

Grown at Victorias.

239119. NICOTIANA SPEGAZZINII Millan Solanaceae. Tobacco.

From Argentina. Seeds presented by the Estacion Experimental, Balcarce-Pcia Buenos Aires. Received Apr. 24, 1957.

239120 to 239151.

From Ecuador. Plants presented by Jose Strobel, Cuenca. Received Apr. 26, 1957.

239120 and 239121. CATTLEYA MAXIMA Lindl. Orchidaceae.

239120. No. 9.

239121. No. 34.

239122. COCHLODA ROSEA (Lindl.) Benth. & Hook. Orchidaceae. No. 8.**239123. EPIDENDRUM BRACHYPHYLLUM Lindl. Orchidaceae. No. 1.****239124. EPIDENDRUM sp.**

No. 1a.

239125. EPIDENDRUM sp.

No. 2.

239126. EPIDENDRUM sp.

No. 4.

239127. EPIDENDRUM sp.

No. 5.

239128. EPIDENDRUM SERPENS Lindl.

No. 6.

239129. KEFERSTEINIA TOLIMENSIS Schltr. Orchidaceae.

No. 19.

239130. LYCASTE DENNINGIANA Reichb. f. Orchidaceae.

No. 11.

239131. LYCASTE GIGANTEA Lindl.

No. 10.

239132. LYCASTE XYTRIOPHORA Linden & Reichb. f.

No. 12.

239133. LYCASTE sp.

No. 13. Flowers pure white.

239134. MASDEVALLIA ROSEA Lindl. Orchidaceae.

No. 18.

239135. MAXILLARIA GRANDIFLORA Lindl. Orchidaceae.

No. 15.

239136. MAXILLARIA NIGRESCENS Lindl.

No. 17.

239137. MAXILLARIA SANDERIANA Reichb. f.

No. 14.

239138. MAXILLARIA sp.

No. 16.

239120 to 239151—Continued

- 239139.** *ODONTOGLOSSUM CIRRHOSUM* Lindl. Orchidaceae.
No. 27.
- 239140.** *ONCIDIUM AUREUM* Lindl. Orchidaceae.
No. 26.
- 239141.** *ONCIDIUM FALLENS* Reichb. f.
No. 25.
- 239142.** *ONCIDIUM MACRANTHUM* Lindl.
No. 22. 'Splendens'.
- 239143.** *ONCIDIUM MACRANTHUM* var. *WILLIAMSIANUM* Reichb. f.
No. 23.
- 239144.** *PORPHYROSTACHIS PILIFERA* (H.B.K.) Reichb. f. Orchidaceae.
No. 21.
- 239145.** *STANHOPEA TRICORNIS* Lindl. Orchidaceae.
No. 28.
- 239146.** *TRICHOPILIA FRAGRANS* (Lindl. Reichb. f. Orchidaceae.
No. 30.
- 239147.** *TRICHOPILIA* sp.
No. 33.
- 239148.** (Undetermined.) Orchidaceae.
No. 31.
- 239149.** (Undetermined.) Orchidaceae.
No. 35.
- 239150.** (Undetermined.) Orchidaceae.
No. 36.
- 239151.** (Undetermined.) Orchidaceae.

239152 to 239211.

From New Guinea and Australia. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 26, 1957.

Collected in New Guinea unless otherwise stated, Mar., 1957.

- 239152 and 239153.** *BOTHRIODCHLOA DECIPIENS* (Hack.) C. E. Hubb. Poaceae.
239152. Col. No. 507. Edge of airport, Ayr, Queensland, Australia.
239153. Col. No. 518. Roadside at Halifax, Near Ingham, Queensland, Australia.
- 239154.** *DICHANTHIUM SERICEUM* (R.Br.) A. Camus Poaceae.
Col. No. 527. Hillside near Port Moresby.
- 239155.** *SEHIMA NERVOSUM* (Rottb.) Stapf Poaceae.
Col. No. 529. Hillside near Port Moresby.
- 239156.** *ANDROPOGON* sp. Poaceae.
Col. No. 533. Roadside near Port Moresby.
- 239157.** *CYMBOPOGON PROCERUS* (R.Br.) A. Camus Poaceae.
Col. No. 534. Hillside near Port Moresby.
- 239158.** *ANDROPOGON* sp. Poaceae.
Col. No. 536. Roadside about 10 miles north of Port Moresby.

239152 to 239211—Continued

239159. *DICANTHIUM SERICEUM* (R.Br.) A. Camus Poaceae.

Col. No. 547. Roadside about 2 miles from Ronna Falls. Plant about 1 foot high.

239160. *ANDROPOGON* Sp. Poaceae.

Col. No. 577. Garaina Airstrip, Morobe District.

239161. *CAPILLIPEDIUM SPICIGERUM* S. T. Blake Poaceae.

Col. No. 522. Roadside near Cairns, Queensland, Australia.

239162 and 239163. *BOTHRIOCHLOA DECIPIENS* C. E. Hubb. Poaceae.

239162. Col. No. 538. Near Laloki River, about 10 miles from Port Moresby.

239163. Col. No. 541. Roadside near Brown River.

239164 to 239167. *BOTHRIOCHLOA INTERMEDIA* (R.Br.) A. Camus.

239164. Col. No. 506. Edge of Airport, Ayr, Queensland, Australia.

239165. Col. No. 513. Roadside at Lawnarcost, near Ingham, Queensland, Australia.

239166. Col. No. 535. Roadside near Port Moresby.

239167. Col. No. 560. Roadside near Lae.

239168. *CAPILLIPEDIUM PARVIFLORUM* (R.Br.) Stapf Poaceae.

Col. No. 575. Garaina Airstrip, Morobe District.

239169. *CHRYSOPOGON ACICULATUS* (Retz.) Trin. Poaceae.

Col. No. 511. Johnson River, lawn near Ingham, Queensland, Australia. Seeded grass.

239170 and 239171. *VETIVERIA FILIPES* (Benth.) C. E. Hubb. Poaceae.

239170. Col. No. 514. Sandy edge of Gowrie Creek at Abergowrie near Ingham, Queensland, Australia.

239171. Col. No. 521. Edge of Mulgrave River near Cairns, Queensland, Australia.

239172. *COIX LACRYMA-JOBI* L. Poaceae.

Jobs-tears.

Col. No. 580. Near Bubu River, Garaina, Morobe District.

239173. *DANTHONIA* sp. Poaceae.

Col. No. 528. Hillside near Port Moresby.

239174. *DANTHONIA* sp.

Col. No. 550. Hillside above Rosena Falls.

239175. *EULALIA TRISPICATA* (Schult.) Hern. Poaceae.

Col. No. 576. Garaina Airstrip, Morobe District.

239176. *HETEROPOGON* sp. Poaceae.

Col. No. 509. Edge of Ayr Airport, Queensland, Australia.

239177. *IMPERATA CYLINDRICA* (L.) Beauv. Poaceae.

Cogongrass.

Col. No. 519. Ripple Creek near Bemarside, Ingham, Queensland, Australia.

239178 to 239181. *IMPERATA EXALTATA* (Roxb.) Brongn. Poaceae.

239178. Col. No. 532. Roadside ditch near Port Moresby.

239179. Col. No. 542. Moist roadside near Brown River.

239180. Col. No. 562. Roadside near Lae.

239181. Col. No. 570. Near Garaina, Morobe District. Red-peduncle form.

239152 to 239211—Continued

239182. *DICHANTHIUM SERICEUM* (R.Br.) A. Camus Poaceae.

Col. No. 544. Roadside about 10 miles from Port Moresby on way to Rouna Falls.

239183. *ISCHAEMUM DIGITATUM* Brongn. Poaceae.

Col. No. 553. Koitaki about 10 miles above Rouna Falls. Elevation 1,700 feet.

239184. *HETEROPOGON CONTORTUS* (L.) Beauv. Poaceae. **Tanglehead.**

Col. No. 505. Edge of Proserpine Airport, Queensland, Australia.

239185. *ROTTBOELLIA ROTTBOELLIODES* (R.Br.) Druce Poaceae.

Col. No. 512. At Leach near Ingham, Queensland, Australia.

239186. *MANISURIS* sp. Poaceae.

Col. No. 515. At Farford near Ingham, Queensland, Australia.

239187. *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.

Col. No. 524. Near Cairns, Queensland, Australia.

239188. *CAPILLIPEDIUM PARVIFLORUM* (R. Br.) Stapf Poaceae.

Col. No. 537. About 10 miles north of Port Moresby.

239189. *CAPILLIPEDIUM SPICIGERUM* S. T. Blake

Col. No. 540. Roadside between Laloki River and Brown River.

239190 and 239191. *CAPILLIPEDIUM PARVIFLORUM* (R. Br.) Stapf

239190. Col. No. 549. Hillside above Rouna Falls.

239191. Col. No. 551. Hillside above Rouna Falls.

239192. *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.

Col. No. 539. About eight miles from Laloki River.

239193. *OPHIURUS EXALTATUS* (L.) Kuntze Poaceae.

Col. No. 546. About 2 miles from Rouna Falls. Plant differs from common form in its bluish color and heavy wax.

239194. *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.

Col. No. 578. Hillside near Garaina, Morobe District.

239195 and 239196. *POLYTOCA MACROPHYLLA* Benth. Poaceae.

239195. Col. No. 548. Near Rouna Falls. Plant to 10 feet high; abundant.

239196. Col. No. 561. Roadside near Lae.

239197. *SETARIA PALMIFOLIA* (Willd.) Stapf Poaceae. **Palmgrass.**

Col. No. 581. Near Bubu River, Garaina, Morobe District.

239198 to 239207. *SORGHUM NITIDUM* (Vahl) Pers. Poaceae.

239198. Col. No. 510. Near Stone River, Ingham, Queensland, Australia.

239199. Col. No. 516. Elphinstoni near Ingham, Queensland, Australia.

239200. Col. No. 520. Ripple Creek near Bemerside, Ingham, Queensland, Australia.

239201. Col. No. 525. Near Cairns, Queensland, Australia.

239202. Col. No. 526. Near Cairns, Queensland, Australia.

239203. Col. No. 543. About 10 miles from Port Moresby.

239204. Col. No. 545. Roadside near Rouna Falls. Awnless form.

239205. Col. No. 530. Hillside near Port Moresby. Awned form.

239206. Col. No. 563. Roadside near Lae.

239207. Col. No. 574. Edge of airstrip at Garaina, Morobe District.

239152 to 239211—Continued

239208. *SORGHUM PLUMOSUM* (R. Br.) Beauv. Poaceae.

Col. No. 508. Edge of Ayr Airport, Queensland, Australia.

239209. *SORGHUM* sp.

Col. No. 531. Hillside near Port Moresby.

239210. *ROTTBOELLIA* sp. Poaceae.

Col. No. 517. Roadside at Stone River near Ingham, Queensland, Australia.

239211. *THEMEDA GIGANTEA* (Cav.) Hack. Poaceae.

Col. No. 579. Hillside trail to Bubu River, near Garaina, Morobe District.

239212. *PARAGLYCINE RADICOSA* (A. Rich.) F. J. Herm. Fabaceae.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique. Received Apr. 29, 1957.

239213 to 239222.

From British Honduras. Tubers presented by A. E. Prince, Gallon Jug Village. Received Apr. 29, 1957.

239213. *DIOSCOREA* sp. Dioscoreaceae.

'Afou' or 'Yellow Yam C.I'.

239214. *DIOSCOREA* sp.

'Bacera' or 'White Yam C.V'.

239215. *DIOSCOREA* sp.

'Carib' or 'Negro Yam C.II'.

239216. *DIOSCOREA* sp.

'Chinese C.IV'.

239217. *DIOSCOREA* sp.

'Coco C.IX'.

239218. *DIOSCOREA* sp.

'Pink Soup C.VIII'.

239219. *DIOSCOREA* sp.

'St. Vincent'.

239220. *DIOSCOREA* sp.

'Trinidad'.

239221. *DIOSCOREA* sp.

'Water' or 'Soup C.VIII'.

239222. *DIOSCOREA* sp.

'Yampa C.VI'.

239223 and 239224. *NICOTIANA TABACUM* L. Solanaceae.

Common tobacco.

From Indonesia. Seeds presented by the Indonesian Ministry of Agriculture, Djakarta. Received Apr. 29, 1957.

239223. 'Hybrid 383'.

239224. 'Vorstenlanden'.

239225. *CHLORIS GAYANA* Kunth Poaceae.

Rhodesgrass.

From Tanganyika. Seeds presented by the Agricultural Research Station, Dar-es-salaam. Received Apr. 29, 1957.

'Mpwapwa strain'.

239226 and 239227. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.

From Spain. Seeds presented by the Estacion Experimental de Aula Dei, Zaragoza. Received Apr. 29, 1957.

239226. 'Granja de Bitem' (Tarragona).

239227. 'Tarragona'.

239228 to 239233.

From Great Britain. Seeds presented by the Royal Botanic Gardens, Kew, England. Received Apr. 29, 1957.

239228. ABELIA SPATHULATA Sieb. & Zucc. Caprifoliaceae. **Japanese abelia.**

239229. ABELIA TRIFLORA R. Br. **Himalaya abelia.**

239230. ABELIA UMBELLATA (Graeb. & Buchw.) Rehder

239231. CALLICARPA DICHOTOMA (Lour.) K. Koch Verbenaceae. **Purple beautyberry.**

239232. CALLICARPA JAPONICA var. ANGUSTATA Rehder **Japanese beautyberry.**

239233. CALLICARPA JAPONICA var. LEUCOCARPA (Sieb.) Rehder **Japanese beautyberry.**

239234. STIPA TENACISSIMA L. Poaceae. Esparto needlegrass.

From Tunisia. Seeds presented by the Ecole Superieure d'Agriculture, Enfidaville. Received Apr. 30, 1957.

239235 to 239237. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Thailand. Seeds presented by the Department of Agriculture, Bangkok. Received Apr. 30, 1957.

239235. 'USA-ARD-A'. Yellow-purple mottling.

239236. 'Ootootan No. 6'.

239237. 'Ootootan No. 27'.

239238 to 239244.

From the Netherlands. Seeds presented by the Botanic Garden, Nonnensteeg, Leiden. Received Apr. 30, 1957.

239238. ANGELICA ARCHANGELICA L. Apiaceae.

239239. HYPERICUM HIRCINUM L. Hypericaceae. **St.-Johns-wort.**

239240. HYPERICUM HIRSUTUM L. **Goat St.-Johns-wort.**

239241. HYPERICUM HOOKERIANUM Wight & Arn. **St.-Johns-wort.**

239242. HYPERICUM MACULATUM Walt. **St.-Johns-wort.**

239243. HYPERICUM PERFORATUM L. **Common St.-Johns-wort.**

239244. HYPERICUM TETRAPTERUM Fries **St.-Johns-wort.**

239245. CARICA PAPAYA L. Caricaceae. Papaya.

From Costa Rica. Seeds presented by J. Robert Hunter, San Jose. Received May 1, 1957.

239246 to 239253.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 1, 1957.

From the garden of Major Lawrence Johnston, Serre de la Madone, Val de Gorbio above Menton, Alpes-Maritimes. Apr. 24, 1957. Cuttings unless otherwise noted.

239246. DECUMARIA SINENSIS Oliver Hydrangeaceae.

Col. No. 3821. Scrambling climber, 15 feet high, semi-evergreen; leaves to 3.5 inches long, lustrous green; flowers white, in dense corymbs, fragrant.

239246 to 239253—Continued

239247. *HEDERA CHRYSOCARPA* Walsh Araliaceae. **Caucasian ivy.**

Col. No. 3817. Climbing, woody, evergreen vine; berries yellow.

239248. *MAHONIA SIAMENSIS* Takeda Berberidaceae.

Col. No. 3818. Shrub to 10 feet high; leaves pinnately divided.

239249. *NERIUM OLEANDER* L. Apocynaceae. **Oleander.**

Col. No. 3823. 'Aurantiacum'. Flowers orange-yellow with white center.

239250. *OREOPANAX ECHINOPS* Decne. & Planch. Araliaceae.

Col. No. 3824. Evergreen tree to 25 feet high; leaves digitately divided. Ornamental.

239251. *OSMANTHUS* sp. Oleaceae.

Col. No. 3819. Large evergreen shrub to 12 feet high; leaves to 3 inches long, acuminate.

239252. *VINCA MAJOR* L. Apocynaceae. **Periwinkle.**

Col. No. 3820. 'Pubescens'. Leaves narrow; flowers rose-violet; petals pointed.

239253. *OREOPANAX ECHINOPS* Decne. & Planch. Araliaceae.

Col. No. 3830. Evergreen tree to 20 feet high; leaves digitately 3-foliolate, hairy; handsome.

239254 and 239255. *CARTHAMUS TINCTORIUS* L. Asteraceae.

Safflower.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered May 15, 1957.

From the University of California, Davis.

239254. No. 55-53. C3-23AF5. French Morocco.

239255. No. 55-54. C4-BAF2. French Morocco.

239256 to 239258.

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida. Received May 15, 1957.

Originally from Hong Kong.

239256. *ORMOSIA EMARGINATA* Benth. Fabaceae.

239257. *RHODOLEIA CHAMPIONII* Hook. Hamamelidaceae.

239258. *SCHIMA SUPERBA* Gard. & Champ. Theaceae.

239259 to 239317.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 1, 1957.

Collected Apr. 4 to 21, 1957.

239259 to 239262. *SACCHARUM EDULE* Hassk. Poaceae. **Sugarcane.**

239259. Col. No. 84. 'Kuigato'. Ulupu near Maprik.

239260. Col. No. 122. 'Asaup'. Ulupu near Maprik. Clone 57 NG 122.

239261. Col. No. 128. 'Poola'. Lumi, Sepik District.

239262. Col. No. 129. 'Yilbil'. Lumi, Sepik District.

239259 to 239317—Continued**239263 to 239309.** SACCHARUM OFFICINARUM L.**Sugarcane.****239263 to 239269.** Bainyik near Maprik.

239263. 'Kangui'. Clone 57 NG 85.

239264. 'Kwangsingui'. Clone 57 NG 86.

239265. 'Galangui'. Clone 57 NG 87.

239266. 'Malapele'. Clone 57 NG 88.

239267. 'It-Te-Huango'. Clone 57 NG 89.

239268. 'Duangelit'. Clone 57 NG 90.

239269. 'Da-seeb'. Clone 57 NG 91.

239270. 'Gui'. Ambunti. Clone 57 NG 92.**239271.** 'Manui'. Yenchanga on Sepik River. Clone 57 NG 94.**239272.** 'Mai-im'. Yenchanga on Sepik River. Clone 57 NG 95.**239273.** 'Kalam'. Lapungai on Sepik River. Clone 57 NG 96.**239274.** 'Wabi'. Lapungai on Sepik River. Clone 57 NG 97.**239275.** 'Kamingwai'. Kapungai on Sepik River. Clone 57 NG 98.**239276.** 'Patel'. Lapungai on Sepik River. Clone 57 NG 99.**239277.** 'Sangi'. Japandai on Sepik River. Clone 57 NG 100.**239278.** 'Japandai'. Clone 57 NG 101.**239279.** Near Yambi, Sepik District. Clone 57 NG 106.**239280.** 'Ai-he-pela'. Supari, Maprik. Clone 57 NG 107.**239281 to 239294.** Telefomin.

239281. 'Ko-ri'. Clone 57 NG 108.

239282. 'Teneb'. Clone 57 NG 109.

239283. 'Afakulap'. Clone 57 NG 110.

239284. 'Afaim'. Clone 57 NG 111.

239285. 'Fairi'. Clone 57 NG 112.

239286. 'Futuru'. Clone 57 NG 113.

239287. 'Doong'. Clone 57 NG 114.

239288. 'Alik-sok'. Clone 57 NG 115.

239289. 'I-tel'. Clone 57 NG 116.

239290. 'Uruk'. Clone 57 NG 117.

239291. 'Ko-ja-su-nor'. Clone 57 NG 118.

239292. 'Freem'. Clone 57 NG 119.

239293. 'Freem'. Clone 57 NG 120.

239294. 'Mi-on'. Clone 57 NG 121.

239295. 'Boi-u'. Clone 57 NG 123.**239296.** Col. No. 124. 'Tandemali-e'.**239297.** Col. No. 125. 'Naffi or Yali'. Collected at Lani and Nambis.**239298.** Col. No. 127. 'Makubu'.**239299.** 'Lumi'. Clone 57 NG 130.

239259 to 239317—Continued**239263 to 239309—Continued****239300 to 239309.** Baiyer River.**239300.** 'Ba-ga' (Hagen). Clone 57 NG 135.**239301.** 'Keruma' (Hagen). Clone 57 NG 136.**239302.** 'Kogla' (Hagen). Clone 57 NG 137.**239303.** 'Mugimp' (Hagen). Clone 57 NG 138.**239304.** 'Ba-ga' (Hagen). Col. No. 139. (Color variant of 57 NG 135.)**239305.** 'Kiawaiya' (Hagen). Col. No. 140. Elevation 4,200 feet.**239306.** Col. No. 141. 'Ay-Gligim' (Hagen). Elevation 4,200 feet.**239307.** Col. No. 142. 'Ki-awaiya'. Elevation 4,200 feet.**239308.** 'Mau-i'. Clone 57 NG 143. Elevation 4,200 feet.**239309.** Col. No. 144. 'Dim'. Elevation 4,400 feet.**239310 to 239312.** SACCHARUM ROBUSTUM Brandes & Jesw. Poaceae.**Sugarcane.****239310.** Near Maprik. Col. No. 83.**239311.** Lapungai on the Sepik River. Clone 57 NG 103.**239312.** Pagwi on the Sepik River. Col. No. 105.**239313.** SACCHARUM (hybrid).**Sugarcane.**

Col. No. 121A.

239314. SACCHARUM (hybrid).**Sugarcane.**

Col. No. 131. 'Namp'. Nondugl.

239315. SACCHARUM (hybrid).**Sugarcane.**

'Gulp'. Nondugl. Clone 57 NG 132.

239316. SACCHARUM (hybrid).**Sugarcane.**

Three miles north of Nondugl. Clone 57 NG 133.

239317. SACCHARUM (hybrid).**Sugarcane.**

Nondugl. Clone 57 NG 134.

239318. STREPTOCARPUS CAULESCENS Vatke Gesneriaceae.

From Portugal. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 1, 1957.

Col. No. 3736. Botanical Garden, University of Coimbra, Coimbra. Apr. 3, 1957. Perennial herb to 12 inches high; stems thick, gouty; Flowers small, deep blue.

239319 to 239323. SACCHARUM ROBUSTUM Brandes & Jesw. Poaceae.
Sugarcane.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 1, 1957.

239319. Col. No. 645. Near Dagua. Apr. 2, 1957.**239320.** Col. No. 650. Near Bainyik Agricultural Station, Maprik. Apr. 4, 1957.**239321.** Col. No. 668. Edge of Sepik River, 1 mile below Ambunti. Apr. 4, 1957. Yellow form.**239322.** Col. No. 669. In water of Sepik River between Pagwi and Ambunto. Apr. 7, 1957. Plant yellower than typical red form.

239319 to 239323—Continued

239323. Col. No. 686. Edge of Street, Telefomin, Sepik District. Apr. 10, 1957.

239324 to 239331.

From Australia. Seeds presented by Law Somner, Melbourne, Victoria; through E. A. Menninger, Stuart, Florida. Received May 2, 1957.

- 239324.** *EUCALYPTUS CALOPHYLLA* Lindl. Myrtaceae. **Port Gregory gum.**
'Rosea'.
239325. *EUCALYPTUS ERYTHRONEMA* Turcz. **Gum.**
239326. *EUCALYPTUS FORRESTIANA* Diels **Gum.**
239327. *EUCALYPTUS OLDFIELDII* F. Muell. **Gum.**
239328. *EUCALYPTUS STOATEI* C. A. Gard. **Gum.**
239329. *EUCALYPTUS TETRAGONA* (R. Br.) F. Muell. **Gum.**
239330. *EUCALYPTUS TETRAPTERA* Turcz. **Gum.**
239331. *EUCALYPTUS TORQUATA* Luehm. **Gum.**

239332 to 239336.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 2, 1957.

- 239332.** *BUDDLEIA CRISPA* var. *FARRERI* (Balf. & W.W.Sm.) Hand.-Mazz. Loganiaceae. **Butterflybush.**
Col. No. 3834. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, above Menton, Alpes-Maritimes. Deciduous shrub to 8 feet high; leaves densely white tomentose; flowers pale rose-lilac, eyes yellow.
239333. *NARCISSUS POETICUS* var. *RECURVUS* (Haw.) Fernd. Amaryllidaceae.
Col. No. 3816. Open meadows near St. Cannat, Aix-en-Provence. Apr. 22, 1957. Bulbous perennial to 12 inches high; flowers white, fragrant. Poets wild narcissus.
239334. *PHLOMIS FRUTICOSA* L. Menthaceae.
Col. No. 3826. Garden, Menton-Garavan, Alpes-Maritimes. Apr. 25, 1957. Sprawling shrub; leaves woolly; flowers yellow.
239335. *SARCOCOCCA SALIGNA* (D. Don.) Muell.-Arg. Buxaceae.
Col. No. 3827. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, Alpes-Maritimes. Apr. 25, 1957. Evergreen shrub to 4 feet high; leaves acuminate, lanceolate-oblong.
239336. *TRACHYSTEMON ORIENTALE* (L.) D. Don Boraginaceae.
Col. No. 3833. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, Alpes-Maritimes. Rhizomatous perennial; leaves all basal, large, cordate, 12 inches long; flowers inconspicuous.

239337 to 239352.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 2, 1957.

- 239337.** *CROTALARIA TRIFOLIATRUM* Willd. Fabaceae.
No. W429.
239338. *PHALARIS BRACHYSTACHYA* Link Poaceae. **Canarygrass.**
No. C.P.I. 14414.
239339. *PHALARIS PLATENSIS* (Arech.) Valencia **Canarygrass.**
No. C.P.I. 12345.

239337 to 239352—Continued

- 239340.** PHALARIS PARADOXA L. Hood canarygrass.
No. C.P.I. 7033.
- 239341.** TRIFOLIUM DESVAUXII Boiss. & Blanche Fabaceae. Clover.
No. C.P.I. 13816.
- 239342.** TRIFOLIUM FORMOSUM Urv. Clover.
No. C.P.I. 15640.
- 239343.** TRIFOLIUM HIRTUM All. Rose clover.
No. C.P.I. 13949.
- 239344.** TRIFOLIUM STENOPHYLLUM Boiss. Clover.
No. C.P.I. 14938.
- 239345.** TRIFOLIUM STRICTUM L. Clover.
No. C.P.I. 15784.
- 239346.** VICIA CORNIGERA Chaub. Fabaceae. Vetch.
No. C.P.I. 18776.
- 239347.** VICIA HIRSUTA (L.) S. F. Gray Tiny vetch.
No. C.P.I. 13763.
- 239348.** VICIA SATIVA L. Common vetch.
No. C.P.I. 18780.
- 239349.** VICIA MONANTHA Retz. Bard vetch.
No. C.P.I. 10378.
- 239350.** VICIA sp.
No. C.P.I. 10394.
- 239351 and 239352.** VICIA ANGUSTIFOLIA var. SEGETALIS (Thuill.) Koch
Vetch.
239351. No. C.P.I. 10421.
239352. No. C.P.I. 11738.

239353 and 239354.

From Spain. Seeds presented by the Estacion Experimental de Aula Dei, Zaragoza. Received May 2, 1957.

- 239353.** CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.
Originally from Alicante.
- 239354.** TRITICUM AESTIVUM L. Poaceae. Common wheat.
'Pane 3'.

239355 and 239356.

From Belgian Congo. Seeds presented by the Laboratoire Central de Yangambi. Received May 2, 1957.

- 239355.** PHASEOLUS sp. Fabaceae.
- 239356.** VIGNA VEXILLATA (L.) A. Rich. Fabaceae. Cowpea.

239357 to 239364.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 3, 1957. Collected Apr. 25 and 28, 1957.

- 239357.** APHYLLANTHES MONSPELIENSIS L. Liliaceae.

Col. No. 3841. Steep slopes above Lantosque, Alpes-Maritimes. Fibrous-rooted perennial; leaves rushlike, to 1 foot long; flowers 1 inch in diameter, azure blue, terminal on scapes. (Plants.)

239357 to 239364—Continued

239358. *NARCISSUS POETICUS* var. *RECURVUS* (Haw.) Fernd. Amaryllidaceae.

Col. No. 3840. Moist grassy meadow at Levans, Alpes-Maritimes. Plant to 14 inches high; perianth white, somewhat recurved; orange center. (Bulbs.)

239359. *SARCOCOCCA RUSCIFOLIA* Stapf Buxaceae.

Col. No. 3828. Garden above Menton, Alpes-Maritimes. Evergreen shrub, to 5 feet high; leaves dark lustrous green, to 2 inches long; flowers small, whitish, inconspicuous; fruit currantlike, dark shiny red, fleshy. (Cuttings.)

239360. *SAXIFRAGA LINGULATA* var. *LANTOSCANA* Boiss. Saxifragaceae.

Col. No. 3845. Cliffs and rock ledges along the River Vesubie, Le Suquet, 3 miles from Lantosque. Densely tufted rhizomatous perennial, forming a rosette; flowers white. (Plants.)

239361. *SCILLA ITALICA* L. Liliaceae. Col. No. 3844. Above Menton, Alpes-Maritimes. Elevation 3,000 feet. Flowers light blue. (Bulbs.)

239362. *TETRAPANAX PAPYRIFERUS* (Hook.) Koch Araliaceae. Col. No. 3829. Above Menton, Alpes-Maritimes. Large evergreen shrub; leaves whitish, 1 foot across; source of rice paper. (Cuttings.)

239363. (Undetermined.) Asteraceae. Col. No. 3831. Above Menton, Alpes-Maritimes. Shrub to 3 feet high. (Cuttings.)

239364. *BALOTA ACETABULOSA* Benth Menthaceae. Col. No. 3832. Garden of Serre de la Madone, above Menton, Alpes-Maritimes. (Cuttings.)

239365 to 239371.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 6, 1957. Collected Apr. 28, 1957.

239365. *ANTIRRHINUM MAJUS* L. Scrophulariaceae. **Common snapdragon.**

Col. No. 3835. Slopes above the River Vesubie near Lantosque, Alpes-Maritimes. Flowers mixed white and chartreuse. (Cuttings.)

239366. *CYTISUS ARDOINII* FOURN. Fabaceae. **Broom.**

Col. No. 3837. Peira Cava, above Menton, Alpes-Maritimes. Elevation 4,800 feet. Woody prostrate shrub to 8 inches high; flowers yellow with red stripes. (Plants.)

239367 and 239368. *DIGITALIS LUTEA* L. Scrophulariaceae. **Straw foxglove.**

239367. Col. No. 3836. Peira Cava, Alpes-Maritimes. Smooth perennial, to 3 feet high; leaves oblong to lanceolate, toothed; flowers yellow, abundant. (Plants.)

239368. Col. No. 3836. Seeds of P.I. 239367.

239369. *MUSCARI BOTRYOIDES* Mill. Liliaceae. **Common grape-hyacinth.**

Col. No. 3843. Open grassy slopes and meadows, Col de Braus, Alpes-Maritimes. Plant to 6 inches high; flowers in various shades of blue and indigo. (Bulbs.)

239370. *POLYGALA NICAENSIS* Risso Polygalaceae.

Col. No. 3842. Alkaline soil, open rocky mountain slopes; Col de Braus, 20 miles from Menton, Alpes-Maritimes. Tufted perennial; branches spreading, decumbent; flowers azure blue. (Plants.)

239371. *VALERIANA TUBEROSA* L. Valerianaceae.

Col. No. 3839. Shale slopes above the Vesubie River, near Lantosque, Alpes-Maritimes. Tuberous rooted perennial to 2 feet high; flowers pinkish. (Plants.)

239372 to 239380.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 7, 1957.

239372. ASPHODELUS CERASIFERUS J. Gay Liliaceae.

Col. No. 3838. Open mountain slopes, Peira Cava, above Menton, Alpes-Maritimes. Elevation 4,800 feet. Apr. 28, 1957. Tuberous-rooted perennial to 5 feet high; leaves mostly basal, sword-shaped; flowers white. (Plants.)

239373. GREWIA OCCIDENTALIS L. Tiliaceae.

Col. No. 3867. Jardin Botanique "Les Cedres", St. Jean Cap Ferrat, Alpes-Maritimes. Small tree or large shrub; flowers about 1 inch long, pink or purplish. (Plants.)

239374. HEPTAPLEURUM sp. Araliaceae.

Col. No. 3853. Small evergreen tree, to 20 feet high.

239375. JASMINUM POLYANTHUM Franch. Oleaceae.**Jasmine.**

Col. No. 3858 A. (Plants.)

239376. MAHONIA LOMARIFOLIA Takeda Berberidaceae.

Col. No. 3825. Garden above Malone, Alpes-Maritimes. Evergreen shrub to 15 feet high; flowers terminal, yellow, winter; fruits blue, in large pendulous clusters. (Seeds.)

239377. OSTEOSPERMUM MONILIFERUM L. Asteraceae.

Col. No. 3883. Jardin Botanique "Les Cedres", St. Jean Cap-Ferrat, Alpes-Maritimes. Much-branched shrubby bush to 4 feet high; leaves green above, cobwebby beneath; rays yellow. (Plant.)

239378. SARCOCOCCA RUSCIFOLIA Stapf Buxaceae.

Col. No. 3828. Garden above Menton, Alpes-Maritimes. Evergreen shrub to 5 feet high; leaves dark lustrous green, to 2 inches long; flowers small, whitish, inconspicuous; fruit currantlike, dark, shiny red, fleshy. (Seeds.)

239379. SCHEFFLERA DELAVAYI (Franch.) Harms Araliaceae.

Col. No. 3852. Jardin Botanique, "Les Cedres", St. Jean Cap-Ferrat, Alpes-Maritimes. Shrub or tree to 20 feet high; leaves digitately divided, tomentose. (Cuttings.)

239380. WILKESIA GYMNOXIPHUM A. Gray Asteraceae.

Col. No. 3847. Jardin Botanique "Les Cedres", St. Jean Cap-Ferrat, Alpes-Maritimes. Plant aborescent, to 20 feet high, monocarpic; disk flowers yellow. (Plants.)

239381 to 239425.

From Mexico. Tubers presented by the Rockefeller Foundation, Mexico City. Received May 7, 1957.

Collected as noted.

239381 to 239402. SOLANUM BULBOCASTANUM Dun. Solanaceae.

239381 to 239384. Pedregal de San Angel, Mexico City.

239381. S-359.

239383. S-361.

239382. S-360.

239384. S-362.

239385. S-376. Patzcuaro, Michoacan.

239386. S-377. Zacapu, Michoacan.

239387. S-378. Tzintzuntzan, Michoacan.

239388. S-379. Zacapu, Michoacan.

239381 to 239425—Continued

239381 to 239402—Continued

- 239389. S-380. Tzintzuntzan, Michoacan.
- 239390. S-398. Atlatlahuacan, Morelos.
- 239391. S-401. Puebla, Puebla.
- 239392. S-404. Cholula, Puebla.
- 239393. S-408. Kil. 150 (Mexico-Oaxaca) Puebla.
- 239394. S-409. Kil. 25 (Tlaxcala-Puebla) Puebla.
- 239395. S-410. Kil. 8 (Tlaxcala-Puebla) Puebla.
- 239396. S-411A. Tlalnepantla, Mexico City.
- 239397. S-411B. Tlalnepantla, Mexico City.
- 239398. S-420. Parque Benito Juarez, Oaxaca, Oaxaca.
- 239399. S-424. Monte Alban, Oaxaca.
- 239400. S-425. Monte Alban, Oaxaca.
- 239401. S-427. Cerro San Felipe, Oaxaca.
- 239402. S-454. Tenancingo.

239403 to 239406. SOLANUM BRACHYCARPUM Correll Solanaceae.

- 239403. S-422. La Venta, Sierra Madre, Oaxaca.
- 239404. S-448. Kil. 129 (Mexico-Valle de Bravo).
- 239405. S-452. San Mateo.
- 239406. S-453. San Mateo.

239407. SOLANUM CARDIOPHYLLUM Lindl.

- S-400. Tlalmanalco.

239408 to 239411. SOLANUM STOLONIFERUM Schlecht.

- 239408. S-381. Kil. 378 (Guadalajar) Michoacan.
- 239409. S-382. Kil. 12-13 (Quiroga-Patzcuaro) Michoacan.
- 239410. S-385. Kil. 12-13 (Quiroga-Patzcuaro) Michoacan.
- 239411. S-403. Oriental, Puebla.

239412. SOLANUM TRIFIDUM Correll

- S-372. Carapan, Michoacan.

239413 to 239422. SOLANUM TUBEROSUM L.

Potato.

- | | |
|-----------------|----------------|
| 239413. HOL-37. | 239418. 115-9. |
| 239414. RU-18. | 239419. 124-2. |
| 239415. 42-23. | 239420. 135-1. |
| 239416. 42-26. | 239421. 136-6. |
| 239417. 109-3. | 239422. 184-1. |

239423. SOLANUM sp.

- S-368. Paricutin, Michoacan.

239424. SOLANUM sp.

- S-373. Paricutin, Michoacan.

239425. SOLANUM sp.

- S-384. Kil. 12-13 (Quiroga-Patzcuaro) Michoacan.

239426 to 239438.

From Peru. Seeds presented by the United States Operations Mission, International Cooperation Administration, Lima.

Received May 7, 1957.

239426 to 239437. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**

239426. M.A. Russian × Canada 1. Forage type.

239427. M.A. Russian × Canada 1. Forage type.

239428 to 239434. S-37-388 × 953-102-1-1-22-4.

239428. LM 56-35-1.

239432. LM 56-144-1.

239429. LM 56-38-3.

239433. LM 56-145-1.

239430. LM 56-49-1.

239434. LM 56-146-1.

239431. LM 56-52-1.

239435 to 239437. Sunrise × 953-102-1-1-22-4.

239435. LM 56-9-1.

239436. LM 56-13-1.

239437. LM 56-19-1.

239438. *SORGHUM VULGARE* Pers. Poaceae.

Dobbs.

239439 to 239441. *SORGHUM VULGARE* Pers. Poaceae.

From the Union of South Africa. Seeds presented by the College of Agriculture, Potchefstroom. Received May 7, 1957.

239439. 'Birdproof'.

239440. 'Radar'.

239441. 'Breeding Line 54.K.94'.

239442 to 239470.

From Portugal. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 8, 1957.

Collected at the Botanical Garden, Coimbra.

239442. *ANTIRRHINUM CALYGINUM* Jacq. Scrophulariaceae. **Snapdragon.**

239443. *ANTIRRHINUM MAJUS* L. **Common snapdragon.**

239444. *ANTIRRHINUM PARVIFLORUM* Jacq. **Snapdragon.**

239445. *DIANTHUS ARMERIA* L. Silenaceae.

239446. *DIANTHUS BARBATUS* L. **Sweet-william.**

239447. *DIANTHUS CEASIVUS* J. E. Sm. **Cheddar pink.**

239448. *DIANTHUS CARTHUSIANORUM* L.

239449. *DIANTHUS CAROPHYLLUS* L. **Carnation.**

239450. *DIANTHUS CHINENSIS* L. **Chinese pink.**

239451. *DIANTHUS DELTOIDES* L. **Maiden pink.**

239452. *DIANTHUS GIGANTEUS* D'Urv.

239453. *DIANTHUS LUSITANUS* Brot.

239454. *DIANTHUS MONSPESSULANUS* L.

239455. *DIANTHUS PLUMARIUS* L. **Garden pink.**

239456. *RANUNCULUS ACRIS* L. Ranunculaceae. **Tall buttercup.**

239457. *RANUNCULUS AQUATILIS* L. **Buttercup.**

239442 to 239470—Continued

239458. RANUNCULUS ARVENSIS L.	Buttercup.
239459. RANUNCULUS BROTERI Freyn.	Buttercup.
239460. RANUNCULUS BULLATUS L.	Buttercup.
239461. RANUNCULUS BUPLEUROIDES Brot.	Buttercup.
239462. RANUNCULUS FLAMMULA L.	Buttercup.
239463. RANUNCULUS LANUGINOSUS L.	Buttercup.
239464. RANUNCULUS MURICATUS L.	Buttercup.
239465. RANUNCULUS OPHIOGLOSSIFOLIUS Vill.	Mediterranean buttercup.
239466. RANUNCULUS PARVIFLORUS L.	Buttercup.
239467. RANUNCULUS REPENS L.	Creeping buttercup.
239468. RANUNCULUS SARDOUS Crantz	Buttercup.
239469. RANUNCULUS SCCELERATUS L.	Buttercup.
239470. RANUNCULUS TRACHYCARPUS Fisch. & Mey.	Buttercup.

239471 to 239483.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 8, 1957.

Obtained from the Jardin Botanique "Les Cedres", St. Jean, Cap Ferrat, Alpes-Maritimes. May 1, 1957. Cuttings unless otherwise noted.

239471. ALOE AFRICANA Mill. Liliaceae.

Col. No. 3887. Stem to 20 feet high; leaves sword-shape, about 20 inches long, forming a dense rosette at the top of stems, margin prickly; flowers bright yellow, tipped with green, much recurved. (Seeds.)

239472. ALOE CLAVIFLORA Burch.

Col. No. 3886. Stem very short; leaves 1 foot long, blue-green, forming a rosette, margin whitish; teeth horny; flowers orange-red. (Seeds.)

239473. ALOE PIENAARIJ Pole-Evans.

Col. No. 3885. (Seeds.)

239474. ALOE THRASKII Bak.

Col. No. 3884. Stems unbranched; leaves 2 feet long, smooth, brown-tipped, prickly on margin; flowers yellow. (Seeds.)

239475. CANTUA BUXIFOLIA Lam. Polemoniaceae.

Col. No. 3861. Shrub to 6 feet high; branches arching; leaves about 0.75 inch long; flowers long-tubular, drooping, purplish-red; tube striped yellow. Sacred flower of the Incas.

239476. CESTRUM ELEGANS (Brongn.) Schlecht. Solanaceae.

Col. No. 3846. Shrub to 8 feet high; flowers rose-lilac.

239477. ELAEAGNUS \times REFLEXA Morr. & Decne. Elaeagnaceae.

Col. No. 3855. (Hybrid of *E. glabra* \times *E. pungens*). Vigorous evergreen scrambler, rarely armed with spines; leaves ovate-lanceolate, shining green above, reddish brown beneath.

239478. EPHEDRA ALTISSIMA Desf. Gnetaceae. Climbing jointfr.

Col. No. 3851. Vigorous woody scrambler to 20 feet long; stems naked, green, horsetail-like; fruits red; flesh juicy.

239479. GREVILLEA ACANTHIFOLIA A. Cunn. Proteaceae.

Col. No. 3848. Sprawling evergreen shrub to 4 feet high; leaves spiny; flowers pink.

239471 to 239483—Continued**239480.** GREVILLEA ASPLENIFOLIA R. Br.

Col. No. 3849. Much-branched, drooping evergreen tree or large shrub; leaves linear serrate, silvery below and green above; flowers orange-red.

239481. JASMINUM POLYANTHUM French. Oleaceae. **Jasmine.**

Col. No. 3858. Robust evergreen climber; flowers white to pinkish, fragrant; floriferous spring bloomer.

239482. NOTHOPANAX DAVIDII (Franch.) Harms Araliaceae.

Col. No. 3866. Evergreen shrub to 8 feet high.

239483. SAURAUJA PUNDUANA DC. Dilleniaceae.

Col. No. 3864. Evergreen tree to 30 feet high; leaves 1 foot long, 6 inches wide; flowers small, in clusters, pink.

239484. GLYCINE MAX (L.) Merr. Fabaceae. **Soybean.**

From India. Seeds presented by the Government Experiment Farm, Yeotmal, Vidarbha. Received May 8, 1957.

No. 55.

239485. CROTALARIA INTERMEDIA Kotschy Fabaceae. **Slenderleaf crotalaria.**

From Southern Rhodesia. Seeds presented by the Agricultural Attache, American Consulate General, Salisbury. Received May 8, 1957.

Mtoroshanga strain.

239486. LOLIUM MULTIFLORUM Lam. Poaceae. **Italian ryegrass.**

From Spain. Seeds presented by the Institucion Nacional de Investigaciones Agronomicas, Madrid. Received May 8, 1957.

Collected in La Coruna, northeastern Spain.

239487. CRYPTOMERIA JAPONICA (L.f.) D. Don Pinaceae. **Common cryptomeria.**

From Japan. Seeds presented by the Kyushu Agricultural Experiment Station, Mii-machi, Fukuoka-ken. Received May 8, 1957.

Originally from Kagoshima-Ken.

239488. CLEMATIS CRASSIFOLIA Benth. Ranunculaceae.

From Japan. Seeds planted at the United States Plant Introduction Station, Glenn Dale, Md. Numbered May 8, 1957.

Collected by J. L. Creech in the Furuta National Forest, Tanegashima, Japan, Mar. 9, 1956.

239489 to 239499.

From Australia. Seeds presented by E. A. Menninger, Stuart, Fla. Received May 8, 1957.

239489. BANKSIA PRIONOTES Lindl. Proteaceae.**239490.** CALLITRIS ROEI (Endl.) Benth. & Hook. Pinaceae. **Cypress-pine.****239491.** EUCALYPTUS CALYCOGONA Turcz. Myrtaceae. **Gum.****239492.** EUCALYPTUS EREMOPHILA (Diels) Maiden **Gum.****239493.** EUCALYPTUS ERYTHRONEMA Turcz. **Gum.****239494.** EUCALYPTUS FORRESTIANA Diels **Gum.****239495.** EUCALYPTUS GROSSA F. Muell. **Gum.****239496.** EUCALYPTUS KESSELLII Maid. & Blakely **Gum.****239497.** EUCALYPTUS PLATYCORYS Maid. & Blakely **Gum.**

239489 to 239499—Continued

239498. *EUCALYPTUS PYRIFORMIS* Turcz. **Gum.**

239499. *HAKEA MULTILINEATA* Meisn. Proteaceae.

239500 to 239540.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 8, 1957.

Collected Mar. 24 to 30, 1957.

239500. *ARTHRAOXON HISPIDUS* (Thunb.) Makino Poaceae.

Col. No. 608. Edge of Korlte River near Menyamya.

239501. *CAPILLIPEDIUM SPICIGERUM* S. T. Blake Poaceae.

Col. No. 609. Edge of Korlte River near Menyamya.

239502. *ARTHRAOXON HISPIDUS* (Thunb.) Makino Poaceae.

Col. No. 613. Wantoat.

239503. *ANDROPOGON* sp. Poaceae.

Col. No. 624. Twenty miles from Bulolo, on way to Lae.

239504 and 239505. *APLUDA MUTICA* L. Poaceae.

239504. Col. No. 592. Between Erap and Rimie Rivers.

239505. Col. No. 637. Roadside, 20 miles from Madang.

239506. *CAPILLIPEDIUM PARVIFLORUM* (R. Br.) Stapf Poaceae.

Col. No. 636. Gusap airstrip.

239507 to 239510. *EULALIA LEPTOSTACHYS* (Pilger) Henr. Poaceae.

239507. Col. No. 594. Airstrip, Wantoat. Elevation 3,700 feet.

239508. Col. No. 603. Bank of Korlte River, near Menyamya.

239509. Col. No. 621. Grass flat near Wau.

239510. Col. No. 638. Roadside about 20 miles from Madang.

239511. *HACKELOCHLOA GRANULARIS* (L.) Kuntze Poaceae.

Col. No. 610. Edge of Korlte River near Menyamya.

239512 and 239513. *IMPERATA EXALTATA* (Roxb.) Brongn. Poaceae.

239512. Col. No. 601. Hillside near Bulolo.

239513. Col. No. 628. Patep, village between Bulolo and Lae.

Large purple form.

239514. *INDIGOFERA* sp. Fabaceae. **Indigo.**

Col. No. 641. About 10 miles from Madang.

239515. *ISCHAEMUM ARISTATUM* L. Poaceae.

Col. No. 590. Sixty miles from Lae on Madzab-Erap road.

239516 and 239517. *ISCHAEMUM DIGITATUM* Brongn.

239516. Col. No. 611. Edge of Korlte River near Menyamya.

239517. Col. No. 640. Banks of Bigess River, about 10 miles from Madang.

239518. *MISCANTHUS FLORIDULUS* (Labill.) Warb. Poaceae. **Silvergrass.**

Col. No. 618. Near Wau. Elevation 3,900 feet.

239519. *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.

Col. No. 612. Wantoat.

239520. *NICOTIANA* sp. Solanaceae.

Col. No. 598. Near Wantoat. Native tobacco.

239500 to 239540—Continued

- 239521.** *OPHIURUS EXALTATUS* (L.) Kuntze Poaceae.
Col. No. 589. Twenty-eight miles from Lae.
- 239522.** *ROTTBOELLIA* (R. Br.) Druce Poaceae.
Col. No. 625. Edge of Snake River, 17 miles from Bulolo on way to Lae.
- 239523.** *PIPER* sp. Piperaceae.
Col. No. 591. Botanic Garden, Lae.
- 239524 to 239526.** *POGONATHERUM PANICEUM* (Lam.) Hack. Poaceae.
239524. Col. No. 606. Edge of Korlte River near Menyamya.
239525. Col. No. 619. Hillside below Wau.
239526. Col. No. 622. Above Wau on Edie Creek Road.
- 239527 to 239529.** *POLYTOCA MACROPHYLLA* Benth. Poaceae.
239527. Col. No. 597. Wantoat.
239528. Col. No. 600. Pine Tops, Bulolo River, near Bulolo.
239529. Col. No. 630. Edge of Muirasa River near Madang.
- 239530 and 239531.** *SACCHARUM SPONTANEUM* L. Poaceae. **Sugarcane.**
239530. Col. No. 605. Edge of Korlte River near Menyamya.
239531. Col. No. 634. Gusap Airfield.
- 239532 and 239533.** *SORGHUM LAXIFLORUM* F. M. Bailey Poaceae.
239532. Col. No. 596. Wantoat.
239533. Col. No. 602. Bank of Korlte River near Menyamya.
- 239534 to 239537.** *SORGHUM NITIDUM* (Vahl) Pers.
239534. Col. No. 588. Twenty-eight miles from Lae.
239535. Col. No. 595. Wantoat.
239536. Col. No. 607. Edge of Korlte River near Menyamya.
239537. Col. No. 620. Native village near Wau.
- 239538.** *THEMEDA GIGANTEA* var. *VILLOSA* (Poir.) Hack. Poaceae.
Col. No. 604. Bank of Korlte River near Menyamya.
- 239539.** *THEMEDA* sp.
Col. No. 635. Gusap airstrip.
- 239540.** *THEMEDA* sp.
Col. No. 639. Gogal River about 20 miles from Madang.
- 239541 to 239548.**
From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 9, 1957.
From the Jardin Botanique, Les Cedres, Stg. Jean, Cap Ferrat, Alpes-Maritimes. May 1, 1957.
- 239541.** *ERYTHRINA* sp. Fabaceae.
Col. No. 3857. (Plant.)
- 239542.** *GREVILLEA ALPINA* Lindl. Proteaceae.
Col. No. 3860. Evergreen shrub to 3 feet high; leaves linear, 0.5 inch long; flowers reddish. (Cuttings.)
- 239543.** *HEPTAPLEURUM* sp. Araliaceae.
Col. No. 3853. Small tree; leaves evergreen. (Cuttings.)
- 239544.** *MALVAISCUS CONZATHII* Greenm. Malvaceae.
Col. No. 3868. Large evergreen shrub; leaves to 6 inches long; flowers simulating red lanterns.

239541 to 239548—Continued**239545.** *NOTHOPANAX LAETUS* Cheesem. Araliaceae.

Col. No. 3854. Evergreen shrub to 8 feet high; leaves highly lustrous. (Cuttings.)

239546. *POLYGONUM EPHEDRIOIDES* Hook. f. Polygonaceae.

Col. No. 3859. Arching evergreen bush to 2 feet high; stems green, naked. (Cuttings.)

239547. *LIGUSTRUM SEMPERVIRENS* (Franch.) Lingels. Oleaceae.

Col. No. 3850. Spreading evergreen shrub to 8 feet high; leaves deep lustrous green, flowers white. (Cuttings.)

239548. *TETRASTIGMA HARMANDII* Planch. Vitaceae.

Col. No. 3856. Rank-growing evergreen vine; leaves lustrous; flowers greenish. (Cuttings.)

239549 and 239550.

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida. Received May 9, 1957.

Originally from Ibadan, Nigeria.

239549. *COCHLOSPERMUM TINCTORIUM* Perr. Cochlospermaceae.**239550.** *MONODORA TENUIFOLIA* Benth. Annonaceae.**239551 to 239553.**

From the United States. Seeds presented by J. R. Jarvis, Briella, N.J. Received May 9, 1957.

Collected in Plumas County, Calif.

239551 and 239552. *PINUS LAMERTIANA* Douglas Pinaceae.**Pine.****239551.** No. 1.**239552.** No. 2.**239553.** *PINUS PATULA* Schlecht. & Cham.**Pine.**

No. 3.

239554. *SETCREASEA PURPUREA* Boom Commelinaceae.

From Mexico. Plants growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered May 9, 1957.

Originally from Tampico.

239555. *SKIMMIA JAPONICA* Thunb. Rutaceae.**Japanese skimmia.**

From Canada. Plants presented by the University of British Columbia, Vancouver. Received May 10, 1957.

239556 to 239564.

From New Guinea. Cuttings presented by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 10, 1957.

239556 to 239562. *SACCHARUM OFFICINARUM* L. Poaceae.**Sugarcane.**

From Tari. Apr. 26, 1957.

239556. Clone 57 NG 146.**239560.** 'Wabena'. Clone 57 NG 150.**239557.** Clone 57 NG 147.**239561.** Not a good type. No. 151.**239558.** 'Igibu'. No. 148.**239559.** 'Neko'. No. 149**239562.** 'Wabena'. Clone 57 NG 152.

239566 to 239564—Continued

- 239563 and 239564.** *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.**
239563. Tari. Apr. 25, 1957. Clone 57 NG 145.
239564. Tari. Apr. 26, 1957. No. 153. Typical type.

239565 to 239567. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From the United States. Tubers presented by the Alaska Agricultural Experiment Station, College, Alaska. Received May 10, 1957.

Originally from an Experiment Station in northeastern Finland.

- 239565.** 'Joakka'.
239566. 'Record'.
239567. 'Sieglinde'.

239568 and 239569. *VICIA SATIVA* L. Fabaceae. **Common vetch.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 10, 1957.

- 239568.** C.P.I. 10375.
239569. C.P.I. 10389.

239570 to 239573. *ZEA MAYS* L. Poaceae. **Corn.**

From Turkey. Seeds presented by Recai Tasan, Tahum Islah Istasyonu, Samsun. Received May 10, 1957.

- 239570.** Z. M. (Yellow dent) **239572.** Z. M. (Yellow flint)
239571. Z. M. (White dent) **239573.** Z. M. (Red flint)

239574 to 239581. *SECALE CEREALE* L. Poaceae. **Rye.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received May 10, 1957.

- 239574.** 'Gayerowo'.
239575. 1-22.141. From Estacao Experimental de Passo Fundo, Passo Fundo, Rio Grande do Sul.
239576 to 239581. From Instituto Agronomico do Sul, Pelotas, Rio Grande do Sul.
239576. 1-22.142. **239579.** 1-22.145.
239577. 1-22.143. **239580.** 1-22.146.
239578. 1-22.144. **239581.** 1-22.147.

239582 to 239620.

From Japan. Plants collected by H. Takeda, Fujimicho, Chiyoda-ku, Tokyo. Received May 13, 1957.

- 239582.** *ANEMONE FLACCIDA* Fr. Schmidt Ranunculaceae.
 No. 2. 'Nirin-so'. Foot of Sogakusan, Okutama, Tokyo Prefecture.
 Apr. 20, 1957. Flowers white, often pinkish.
239583. *ANEMONE NIKOENSIS* Maxim.
 No. 23. Ichirin-so, Takao-zan, Tokyo Prefecture. Apr. 29, 1957.
 Rhizomes thick; flowers white.
239584. *ANEMONE RADDEANA* Regel
 No. 39. Adzuma-ichige, Otoba-gawa, Tokyo Prefecture. May 3, 1957.
 Rhizome medium size; flowers solitary, nodding, white.

239582 to 239620—Continued

239585. *ARISAEMA URASHIMA* Hara Araceae.

No. 8. Urashimaso, foot of Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Spathe dark purple striped.

239586. *CHRYSOSPLENIUM SPHAEROSPERMUM* Maxim. Saxifragaceae.

No. 14. Kogane-nekono Me-so. Damp, sunny places on the northern side of Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Hairy, deep green perennial; stalks short; leaves opposite; flowers crowded, yellow.

239587. *CONANDRON RAMONDIODES* Sieb. & Zucc. Gesneriaceae.

No. 12. Iwa-tabako. Along path to Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Stems short, brown, hairy; leaves few, large, oval, shiny; flowers purple, nodding.

239588. *DEINANTHE BIFIDA* Maxim. Saxifragaceae.

No. 32. Gimbai-so. Along Otobagawa River, Tokyo Prefecture. May 3, 1957. Stems high, hairy; leaves opposite; flowers white, in cymose umbels.

239589. *DISPORUM SMILACINUM* A. Gray Convallariaceae.

No. 29. Semi-shady woods, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Perennial; flowers pale yellow, nodding.

239590. *EPIMEDIUM MACRANTHUM* var. *VIOLACEUM* Franch. Berberidaceae.

No. 1. Ikariso. Foot of Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Perennial; flowers pale purple, nodding, in loose racemes.

239591. *ERYTHRONIUM JAPONICUM* Makino Liliaceae. **Dogtooth violet.**

No. 16. Katakuri. Northern side of Koburi-toge, Saitama Prefecture. Apr. 22, 1957. Leaves broadly ovate, fleshy, brownish-purple mottled.

239592. *HYLOMECON JAPONICA* (Thunb.) Prantl Papaveraceae.

No. 36. Valley of Otoba-mura, Tokyo Prefecture. May 3, 1957. Perennial, stem more or less succulent; flowers yellow.

239593. *IRIS JAPONICA* Thunb. Iridaceae. **Fringed iris.**

No. 19. Shaga. Koburi-toge, Kuro-yama, Saitama Prefecture. Apr. 22, 1957. Evergreen perennial; leaves linear, deep green; flowers pale blue.

239594. *ISOPYRUM DICARPON* Miq. Ranunculaceae.

No. 15. Saba-no-wo. Northern side of Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Leaves radical, long stalked; flowers small, pale yellowish-white.

239595. *GERBERA ANANDRIA* (L.) Sch.-Bip. Asteraceae.

No. 3. Murasaki-tampo. Sogaku-san, Okitama, Tokyo Prefecture. Apr. 20, 1957. Small perennial; leaves radical, irregularly cut, woolly underneath; flowers few, white or purple.

239596. *LYSIMACHIA ACROADEMIA* Maxim. Primulaceae.

No. 26. Miyama-tagebo. Moist wood, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Stems erect, purple spotted, hairless; flowers in long racemes, whitish.

239597. *OMPHALODES JAPONICA* Maxim. Boraginaceae.

No. 27. Gama-ruriso. Humid slopes, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Leaves radical, broad, hairy; flowers pink, turning blue.

239598. *OXALIS JAPONICA* Franch. & Sav. Oxalidaceae.

No. 30. Miyama-katabami. Shady woods, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Flowers solitary, large, white.

239599. *POLYGONATUM FALCATUM* A. Gray Convallariaceae.

No. 28. Naruko-yuri. Partly shaded woods, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Leaves gradually tapering towards apex; flowers axillary, white.

239582 to 239620—Continued

- 239600.** *SEDUM SUBTILE* Miq. Crassulaceae. **Stonecrop.**
No. 17. Hime-rence. Along streams, Kuroyama, Saitama Prefecture. Apr. 22, 1957. Flowers bright yellow.
- 239601.** *CHLORANTHUS JAPONICUS* Siebold Chloranthaceae.
No. 31. Hitori-shidzuka. Valley of Otabagawa, Tokyo Prefecture. May 3, 1957. Rhizomes knotty; stem erect, glabrous, fleshy; leaves at end of stem; flowers small, white, naked.
- 239602.** *TRICYRTIS HIRTA* Hook. Melanthiaceae. **Hairy toadlily.**
No. 18. Hototogisa. Kuroyama, Saitama Prefecture. Apr. 22, 1957. Hardy perennial, hairy throughout; leaves alternate, oblong; flowers white with purple dots.
- 239603.** *TRICYRTIS LATIFOLIA* Maxim. **Toadlily.**
No. 40. Tamagawa-hototogi. Along streams, valley of the Kawanoridani, Tokyo Prefecture. May 3, 1957. Flowers yellow with brown spots.
- 239604.** *TRICYRTIS MACROPODA* Miq. **Speckled toadlily.**
No. 20. Yama-hoto-togi. Shady woods near Koburi-toge, Saitama Prefecture. Apr. 22, 1957. Lower leaves pale green with dark spots; flowers small.
- 239605.** *TRILLIUM SMALLII* Maxim. Convallariaceae. **Woodlily.**
No. 9. Enrei-so. Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Flowers tinged dark-purple.
- 239606.** *TRILLIUM TSCHONOSKII* Maxim. **Woodlily.**
No. 10. Miyama-enreiso. Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Petals white, sharply pointed; berry large, green, sweet.
- 239607.** *VERONICA MIQUELIANA* Nakai Scrophulariaceae. **Speedwell.**
No. 35. Kuwagata-so. Valley of the Otaba-gawa, Tokyo Prefecture. May 3, 1957. Stems hairy; leaves oblong-ovate; flowers pinkish, in short racemes.
- 239608.** *VIOLA BISSETHII* Maxim. Violaceae. **Violet.**
No. 6. Nagaha-no-sumiresaishin. Shady slopes on Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Leaves long stalked, thick; flowers pale purple, large; lower petal purple striped.
- 239609.** *VIOLA EIZANENSIS* Makino **Violet.**
No. 11. Eizan-sumire. Tsuma-zakatoge, Saitama Prefecture. Apr. 21, 1957. Flowers large, pale-pinkish, faintly fragrant.
- 239610 and 239611.** *VIOLA GRYPOCERAS* A. Gray **Violet.**
239610. No. 4. Yaku-sumire. Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Flowers pale purple, white center, odorless.
239611. No. 5. Akasuyi-yabusumire. Slopes on Sagaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Purplish-red along veins.
- 239612.** *VIOLA MAXIMOWICZIANA* Makino **Violet.**
No. 22. Komiyama-sumire. Takaozan, Tokyo Prefecture. Apr. 29, 1957. Leaves long, tinged with purple; flowers small, white.
- 239613.** *VIOLA OKUBOI* Makino **Violet.**
No. 21. Kemaruba-sumire. Takaozan, Tokyo Prefecture. Apr. 29, 1957. Flowers white, odorless.
- 239614.** *VIOLA ROSSII* Hemsl. **Violet.**
No. 7. Akebono-sumire. High on Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Flowers pale reddish-purple, odorless.

239582 to 239620—Continued**239615.** *VIOLA SIEBOLDII* Maxim.**Violet.**

No. 33. Fumoto-sumire. Sunny margin of woods, Tokyo Prefecture. May 3, 1957. Small form; leaves green, often variegated above, pinkish-purple beneath; flowers small, white and odorless.

239616. *VIOLA VERECUNDA* A. Gray**Violet.**

No. 25. Nyoï-sumire. Takaozan, Tokyo Prefecture. Apr. 29, 1957. Flowers small, white; flower petal purple and striped.

239617. *VIOLA YEZOENSIS* Maxim.**Violet.**

No. 13. Hikage-sumire. Northern side of Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Flowers large, white, lower petal purple-striped.

239618. *WASABIA TENUIS* (Miq.) Matsum. Brassicaceae.

No. 24. Yuri-wasabi. Wet slopes, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Flowers in long racemes, small, white.

239619. *WASABIA WASABI* Makino

No. 34. Wasabi. Between stones with clear running water of constant temperature, valley of the Otaba River, Tokyo Prefecture. May 3, 1957. Perennial; rhizome thick, pungent; leaves nearly orbicular, thin; flowers in long racemes, white.

239620. *LOPHANTHUS* sp. Menthaceae.

No. 38. Rashomon-kadzura. Valley of the Otaba-gawa, Tokyo Prefecture. May 3, 1957. Flowering stem erect, hairy; flowers large, deep blue.

239621 to 239632.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 13, 1957.

239621. *CITRUS PARADISII* Macfad. Rutaceae.**Grapefruit.**

Col. No. 680. Ambuntin on Sepik River. Apr. 7, 1957.

239622. *CITRUS* sp.

Col. No. 667. Near Patwi, on Sepik River. Apr. 7, 1957.

239623 to 239632. *SACCHARUM ROBUSTUM* Brandes & Jesw. Poaceae.**Sugarcane.**

Collected Apr., 1957.

239623. Col. No. 690. Upper Sepik River, near Telfomin.**239624.** Col. No. 697. Lumi.**239625.** Col. No. 701. Tadjî. Sepik type; yellow, waxy.**239626.** Col. No. 713. Nandugl. Mottled stem.**239627.** Col. No. 723. Giruva River, about 7 miles from Popendetta.**239628.** Col. No. 724. Baiyer River.**239629.** Col. No. 725. Baiyer River.**239630.** Col. No. 733. Tari.**239631.** Col. No. 734. Tari.**239632.** Col. No. 737. Tari. Striped form.**239633.** *ALLIUM CEPA* L. Liliaceae.**Common onion.**

From Iran. Seeds presented by the United States Operations Mission, Tehran. Received May 13, 1957.

'Kashan'. Grown in Varammin, Ministry of Agriculture Station, near Tehran; seeds originally from Kashan.

239634. CITRUS LIMON (L.) Burm. f. Rutaceae. Lemon.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 13, 1957.

Col. No. 705. Native gardens, Nondugl. Apr. 17, 1957. Fruit about the size of baseball; rind very thick.

239635. CEIBA PENTANDRA (L.) Gaertn. Bombacaceae. Kapok.

From Pakistan. Seeds presented by the International Cooperation Administration, United States Embassy, Karachi. Received May 13, 1957.

239636 to 239663.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 13, 1957.

Collected April 1947.

239636. MICROSTEGIUM CILIATUM (Trin.) A. Camus Poaceae.

Col. No. 658. Near Maprik, Sepik District.

239637. DICHANTHIUM SERICEUM (R. Br.) A. Camus Poaceae.

Col. No. 673. Edge of forest stream near Telefomin, Sepik District.

239638. CAPILLIPEDIUM PARVIFLORUM (R. Br.) Stapf Poaceae.

Col. No. 683. Telefomin, Sepik District.

239639. CHRYSOPOGON ACICULATUS (Retz.) Trin. Poaceae.

Col. No. 648. Dagua. On airfield and lawns.

239640 to 239642. COIX LACRYMA-JOBI L. Poaceae Jobs-tears.

239640. Col. No. 643. Near Weroack.

239641. Col. No. 675. Edge of stream near Telefomin, Sepik District.

239642. Col. No. 676. Edge of stream near Telefomin, Sepik District.

239643. DIMERIA CILIATA Merrill Poaceae.

Col. No. 671. Telefomin, Sepik District.

239644. EULALIA LEPTOSTACHYS (Pilger) Henr. Poaceae.

Col. No. 657. Near Maprik.

239645. GOSSYPIUM sp. Malvaceae.

Col. No. 664. Native garden near Maprik. Tall, native type.

239646 and 239647. IMPERATA EXALTATA (Roxb.) Brongn. Poaceae.

239646. Col. No. 651. Dagua.

239647. Col. No. 672. Open grassland in Telefomin.

239648. ISCHAEMUM ARISTATUM L. Poaceae.

Col. No. 654. Yambi.

239649. ISCHAEMUM DIGITATUM Brongn. Poaceae.

Col. No. 655. Yambi.

239650. ISCHAEMUM ARISTATUM L.

Col. No. 665. About 8 miles from Maprik. Forage type.

239651 and 239652. ISCHAEMUM DIGITATUM Brongn.

239651. Col. No. 670. Near Telefomin, Sepik District.

239652. Col. No. 679. Ambunti on Sepik River.

239653. JUSSIAEA sp. Onagraceae.

Col. No. 685. Moist edge of stream near Telefomin, Sepik District.

239636 to 239663—Continued**239654.** *NICOTIANA TABACUM* L. Solanaceae.

Col. No. 644. Native garden near Wewack.

239655. *NICOTIANA TABACUM* L.

Col. No. 661. Native garden near Maprik. Native tobacco.

239656. *OPHIURUS EXALTATUS* (L.) Kuntze Poaceae.

Col. No. 646. Common roadside plant near Dagua.

239657. *PENNISETUM* sp. Poaceae.

Col. No. 647. Near Dagua. Plant 10 feet high.

239658. *PENNISETUM* sp.

Col. No. 674. Edge of stream near Telefomin, Sepik District. Plant about 10 feet high; purple form.

239659. *POLYTOCA MACROPHYLLA* Benth. Poaceae.

Col. No. 660. Edge of native gardens and roadsides near Maprik.

239660. *RHODODENDRON HANSEMANII* Warb. Ericaceae.

Col. No. 678. Hillside near Telefomin, Sepik District.

239661 and 239662. *SORGHUM NITIDUM* (Vahl) Pers. Poaceae.**239661.** Col. No. 649. Near Dagua.**239662.** Col. No. 662. Grasslands near Maprik.**239663.** *UVARIA* sp. Annonaceae.

Col. No. 677. Near Telefomin, Sepik District. Ornamental fruits.

239664 and 239665. *CITRUS AURANTIFOLIA* (Christm.) Swingle
Rutaceae. **Lime.**From Morocco. Seeds presented by the Institut Francais de Recherches
Fruitières, Institut des Fruits et Agrumes Coloniaux, Rabat. Received
May 13, 1957.

Dwarf form originally from Reunion.

239664. No. 1.**239665.** No. 2.**239666.** *STRANVAESIA NUSSIA* (Buch.-Ham.) Dcne. Malaceae.From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant
Introduction Section, Crops Research Division, Beltsville, Md. Received
May 14, 1957.Col. No. 3905. Villa Elena, Pallanza, Lake Maggiore. May 8, 1957. Tree
40 feet high with single trunk; branched above; flowers white.**239667 to 239673.**From India. Seeds presented by the Central Rice Research Institute, Cuttack,
Orissa. Received May 1, 1957.**239667.** *ORYZA AUSTRALIENSIS* Domin Poaceae. **Rice.****239668.** *ORYZA GRANULATA* Nees & Arn. **Rice.****239669.** *ORYZA RIDLEYI* Hook. f. **Rice.****239670 and 239671.** *ORYZA SATIVA* var. *FATUA* Prain **Rice.****239670.** Single plant; erect type.**239671.** Heterozygous.**239672 and 239673.** *ORYZA SATIVA* L. Poaceae. **Rice.****239672.** Acc. 852.**239673.** Acc. 3776.

239674 to 239686.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 14, 1957.

Collected at Villa Taranto, Lake Maggiore, Palanza, May 6, 1957. Material received as cuttings unless otherwise stated.

239674. *ACER ACUMINATUM* Wall. Aceraceae. **Maple.**

Col. No. 3895. Deciduous tree to 20 feet high; leaves 3-lobed, to 4 inches long.

239675. *BUDDLEIA COLVILEI* Hook. f. Loganiaceae. **Butterflybush.**

Col. No. 3901. Hardy, large shrub, sometimes 50 feet high; flowers rose.

239676. *CAVENDISHIA ACUMINATA* (Hook.) Benth. Vacciniaceae.

Col. No. 3891. Evergreen shrub to 10 feet high; branches pendulous; leaves lanceolate to ovate, to 3 inches long; flowers bright red, tubular, the lobes green.

239677. *DIERAMA PULCHERRIMUM* (Hook. f.) Baker Iridaceae.

Col. No. 3900. Plant to 5 feet high; leaves basal, to 20 inches long; flowers stiff, at the ends of pendulous peduncles, white, pink or purple. (Corms.)

239678. *EMMENOPTERYS HENRYI* Oliv. Rubiaceae.

Col. No. 3890. Deciduous tree; leaves about 8 inches long, 4 inches wide, oval or ovate. (Described by collectors of Chinese plants as one of the most beautiful of flowering trees.)

239679. *FORTUNEARIA SINENSIS* Rehr. & Wils. Hamamelidaceae.

Col. No. 3894. Deciduous shrub to 15 feet high.

239680. *GARDENIA ROTHMANNIA* L. f. Rubiaceae.

Col. No. 3892. Small evergreen tree or large shrub to 15 feet high; leaves to 3 inches long, hairy; flowers white, fragrant. (Plant.)

239681. *KNIPHOFIA* sp. Liliaceae.

Col. No. 3897. Herbaceous perennial with creamy yellow flowers. (Plants.)

239682. *NARCISSUS POETICUS* var. *VERBANENSIS* Herb. Amaryllidaceae.

Col. No. 3898. Meadows. Evergreen shrub to 10 feet high; flowers yellow. (Bulbs.)

239683. *OSMANTHUS FRAGRANS* Lour. Oleaceae.

Col. No. 3896. 'Aurantiacus'. Evergreen shrub to 10 feet high; flowers yellow, fragrant.

239684. *PAULOWNIA FORTUNEI* (Seem.) Hemsl. Scrophulariaceae.

Col. No. 3893. Deciduous tree to 40 feet high; flowers large, light lavender, spotted.

239685. *PLECTRANTHUS CILIATUS* E. Mey. Menthaceae.

Col. No. 3889. Herbaceous perennial; leaves purple beneath, green above.

239686. *PARADISEA LILIASTRUM* (L.) Bertol. Liliaceae.

Col. No. 3899. Perennial; roots tuberous; flowers white. (Plants.)

239687. *DIOSCOREA* sp. Dioscoreaceae.

From the United States. Seeds collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 15, 1957.

Collected in Maryland.

239688. *PIPER METHYSTICUM* Forst. Piperaceae. **Kava pepper.**

From Indonesia. Cuttings presented by Balai Penyelidikan Teknik, Pertanian, Bogor. Received May 15, 1957.

239689 to 239692. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae. **Sweetpotato.**

From New Zealand. Seeds presented by the Crops Research Division, Vegetable Station, Auckland. Received May 15, 1957.

239689. 'Houhere'.

239691. 'Rekamarao'.

238690. 'Hutihuti'.

239692. 'Taputini'.

239693 to 239701. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

From Switzerland. Seeds presented by the Swiss Experimental Station for Agriculture, Zurich. Received May 15, 1957.

239693. No. 130. Biglen/Kt. Bern Mattenlee.

239694. No. 144. Dudinggen/Kt. Freiburg Mattenlee.

239695. No. 145. Hessighofen/Kt. Solothurn Mattenlee.

239696. No. 150. Ringwil/Kt. Zurich Mattenlee.

239697. No. 153. Lenzburg/Kt. Aargau Mattenlee.

239698. No. 155. Leisi-Wagenburg/Kt. Zurich Mattenlee.

239699. 206/15 IV. Alt. St. Johann/Kt. St. Gallen.

239700. 207/3 III. Riggisberg/Kt. Bern.

239701. 207/7 III. Stilli/Kt. Aargau.

239702. *SYMPLOCOS LUCIDA* Sieb. & Zucc. Symplocaceae. **Sweetleaf.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Dec. 18, 1956. Numbered May 16, 1957.

Col. No. 747. Furuta National Forest, Tanegashima. Dec. 3, 1956.

239703. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

From Portugal. Seeds presented by Morris Mandelowitz, Brooklyn, New York. Received May 16, 1957.

239704 and 239705.

From Thailand. Seeds presented by the International Cooperation Administration, Bangkok. Received May 17, 1957.

239704. *STIZOLOBIUM* sp. Fabaceae.

239705. *VIGNA CYLINDRICA* (L.) Skeels Fabaceae.

Catjang cowpea.

239706 to 239708.

From Turkey. Seeds presented by Professor Vamik Taysi, Ziraat Fakultesi Dekanlig, Izmir. Received May, 1957.

239706. *CARTHAMUS* sp. Asteraceae.

No. 2487.

239707. *CARTHAMUS* sp.

No. 2488.

239708. *CARTHAMUS* sp.

No. 2489.

239709 to 239855.

From Italy. Seeds presented by the Plant Production Branch, Food and Agriculture Organization of the United Nations, Rome. Received May 17, 1957. Localities given are F.A.O. sources.

239709 and 239710. *AGROPYRON BUONAPARTIS* (Spreng.) Dur. & Schinz. Poaceae. **Wheatgrass.**

239709. No. 3756. Cuckhan, Iran.

239710. No. 3760. Teheran, Iran.

239709 to 239855—Continued

- 239711 and 239712.** *AGROPYRON ORIENTALE* (L.) Roem. & Schult. **Wheatgrass.**
239711. No. 3741. Miani, Iran.
239712. No. 3757. Chuchan, Iran.
- 239713 to 239716.** *BRACHYPODIUM DISTACHYON* (L.) Beauv. Poaceae. **Purple falsebrome.**
239713. No. 3687. Kalafabad, Iran.
239714. No. 3726. Kaschwar, Iran.
239715. No. 3736. Susa, Iran.
239716. No. 3738. Shahbazan, Iran.
- 239717.** *BROMUS DANTHONIAE* Trin. Poaceae. **Brome.**
 No. 3786. Afghanistan.
- 239718 to 239721.** *BROMUS JAPONICUS* Thunb. **Brome.**
239718. No. 3712. Shemiran, Iran.
239719. No. 3720. Awan, Iran.
239720. No. 3750. Soma, Iran.
239721. No. 3753. Gorgan, Iran.
- 239722.** *BROMUS MADRITENSIS* L. **Spanish brome.**
 No. 3729. Susa, Iran.
- 239723.** *BROMUS RACEMOSUS* L. **Bald brome.**
 No. 3713. Damagh, Iran.
- 239724.** *HAYNALDIA VILLOSA* (L.) Schur. Poaceae
 No. 3636. Levadia, Greece.
- 239725.** *KOELERIA PHLEOIDES* (Vill.) Pers. Poaceae.
 No. 3784. Kunduz, Afghanistan.
- 239726 to 239729.** *LOLIUM PERSICUM* Boiss. & Hohen. Poaceae. **Ryegrass.**
239726. No. 3691. Karadj, Iran.
239727. No. 3714. Hamadan, Iran.
239728. No. 3739. Miani, Iran.
239729. No. 3744. Koshk Sarag, Iran.
- 239730 to 239798.** *LOLIUM RIGIDUM* Gaud. **Wimmera ryegrass.**
239730. No. 3011. Ros-el-Kekma, Egypt.
239731. No. 3016. Fouka, Egypt.
239732. No. 3017. Fouka, Egypt.
239733. No. 3022. Morphou, Cyprus.
239734. No. 3037. Zangaria, Israel.
239735 to 239740. From Libya.
239735. No. 3045. Madelina Cyrenaica.
239736. No. 3065. Madelina Cyrenaica.
239737. No. 3071. El Bid, Cyrenaica.
239738. No. 3075. Toera Pass, Cyrenaica.
239739. No. 3084. Sidi Rahamu, Cyrenaica.
239740. No. 3094. Tarhuna, Tripolitania.
- 239741 to 239762.** From Algeria.
239741. No. 3100. Maison-Carree.

239709 to 239855—Continued**239730 to 239798—Continued****239741 to 239762—Continued**

239742. No. 3102. Maison-Carree.
 239743. No. 3118. Kolea.
 239744. No. 3132. El Affroun.
 239745. No. 3149. Lavaronde.
 239746. No. 3153. Orleansville.
 239747. No. 3154. Orleansville.
 239748. No. 3166. Relizane.
 239749. No. 3177. Tiaret.
 239750. No. 3180. Louhou.
 239751. No. 3186. Ainkermes.
 239752. No. 3199. Berthelot.
 239753. No. 3238. Bough-zoul.
 239754. No. 3240. Bough-zoul.
 239755. No. 3243. Brazza.
 239756. No. 3256. M'Sila.
 239757. No. 3263. Ampers.
 239758. No. 3265. Ras el Aioun.
 239759. No. 3273. Lambese.
 239760. No. 3281. Ain Yagout.
 239761. No. 3288. Le Kroubs.
 239762. No. 3310. St. Charles.
- 239763 to 239781. From Morocco.**
 239763. No. 3333. Tamanor.
 239764. No. 3338. Za Sidi Rehal.
 239765. No. 3353. Marrakech.
 239766. No. 3356. Tiddli.
 239767. No. 3359. Tizi Bou Tafouk.
 239768. No. 3362. Marrakech.
 239769. No. 3390. Ait Ourir.
 239770. No. 3407. Marrakech.
 239771. No. 3224. Skhour Des Rehamna.
 239772. No. 3454. Ferme Bouanik.
 239773. No. 3461. Karia Ben Aouda.
 239774. No. 3465. Sidi Yahya da Rharb.
 239775. No. 3469. Merdja Bokka.
 239776. No. 3470. Merdja Bokka.
 239777. No. 3475. Skoura.
 239778. No. 3476. Skoura.
 239779. No. 3483. Ifrane.
 239780. No. 3490. Azrou.
 239781. No. 3497. Ito.

239709 to 239855—Continued**239730 to 239798—Continued**

- 239782 to 239791.** From Portugal.
- 239782.** No. 3509. Village Peques.
- 239783.** No. 3514. Setubal.
- 239784.** No. 3518. Alcacer do Sol.
- 239785.** No. 3526. Sao Bartolomew.
- 239786.** No. 3530. Ferereiro do Alentejo.
- 239787.** No. 3536. Olhao.
- 239788.** No. 3540. Vila Nova de Cacela.
- 239789.** No. 3541. Montihyo.
- 239790.** No. 3547. Algodor.
- 239791.** No. 3563. Elvas Plant Breeding Station.

- 239792.** No. 3632. Levadia, Greece.
- 239793.** No. 3666. Igoumenitsa, Greece
- 239794.** No. 3686. Kalafabad, Iran.
- 239795.** No. 3688. Mosj.-Gol, Iran.
- 239796.** No. 3730. Susa, Iran.
- 239797.** No. 3731. Ahwaz, Iran.
- 239798.** No. 3733. Ahwaz, Iran.

239799 and 239800. *LOLIUM TEMULENTUM* L.**Darnel.**

- 239799.** No. 3719. Bisotoon, Iran.
- 239800.** No. 3755. Gorgan, Iran.

239801 to 239803. *LOLIUM TEMULENTUM* var. *MUTICUM* Coss. & Germ.**Ryegrass.**

- 239801.** No. 3727. Ahwaz, Iran.
- 239803.** No. 3728. Ahwaz, Iran.
- 239803.** No. 3736. Khaken River, Iran.

239804 and 239805. *LOLIUM MULTIFLORUM* Lam.**Italian ryegrass.**

- 239804.** No. 3106. El Biar, Iran.
- 239805.** No. 3144. Miliana, Algeria.

239806 to 239824. *PHALARIS BRACHYSTACHYS* Link Poaceae. **Canarygrass.**

- 239806.** No. 3026. Nigdal-Ashkalon, Israel.
- 239807.** No. 3032. Safia, Israel.
- 239808.** No. 3059. Cyrene, Cyrenaica, Libya.
- 239809.** No. 3060. Experiment Farm Saf-Saf, Cyrenaica, Libya.
- 239810.** No. 3080. Barce, Cyrenaica, Libya.

239811 to 239821. From Algeria.

- 239811.** No. 3101. Maison-Carree.
- 239812.** No. 3134. El Affroun.
- 239813.** No. 3159. Charon Alger.
- 239814.** No. 3175. Tiarret.
- 239815.** No. 3211. Boumier Village.
- 239816.** No. 3234. Berrouaghia.

239709 to 239855—Continued**239806 to 239824—Continued****239811 to 239821—Continued**

239817. No. 3242. Brazza.

239818. No. 3246. Bouira.

239819. No. 3289. Regada.

239820. No. 3298. Bone.

239821. No. 3320. Macdonald.

239822. No. 3351. Marrakech, Morocco.

239823. No. 3392. Valley of Oued Zatt, Morocco.

239824. No. 3460. Karia Ben Aouda, Morocco.

239825 to 239844. PHALARIS MINOR Retz. Poaceae.

Littleseed canarygrass.

239825. No. 3006. Tripoli, Tripolitania.

239826. No. 3028. Gilot Experiment Station, Israel.

239827 to 239832. From Algeria.

239827. No. 3104. El Biar.

239828. No. 3133. El Affroun.

239829. No. 3142. El Affroun.

239830. No. 3167. Relizane.

239831. No. 3183. Frenda.

239832. No. 3241. Boughzoul.

239833 to 239841. From Morocco.

239833. No. 3334. Tamanar.

239834. No. 3337. Rasel Ain.

239835. No. 3339. Ya Sidi Rehal.

239836. No. 3350. Marrakech.

239837. No. 3368. Ijoukak.

239838. No. 3389. Oved Rhomas.

239839. No. 3406. Marrakech.

239840. No. 3446. Oulad Teima.

239841. No. 3478. Skowa, Sidi Mahyo Farm.

239842. No. 3529. Ferreiro do Alentejo, Portugal.

239843. No. 3566. Elvas Plant Breeding Station, Portugal.

239844. No. 3678. Tor Mancina, Italy.

239845 to 239854. PHALARIS PARADOXA L.

Hood canarygrass.

239845. No. 3019. Nicosia, Cyprus.

239846 to 239853. From Algeria.

239846. No. 3099. Maison-Carree.

239847. No. 3105. Maison-Carree.

239848. No. 3131. El Affroun.

239849. No. 3141. Affreville.

239850. No. 3196. Sidi-bel-Abbes.

239851. No. 3210. Bonnier.

239709 to 239855—Continued**239845 to 239854—Continued****239846 to 239853—Continued****239852.** No. 3236. Berrouaghia.**239853.** No. 3295. Oved Zenati.**239854.** No. 3352. Marrakech, Morocco.**239855.** *DIPLLOTAXIS ERUCOIDES* DC. Brassicaceae.

No. 3732. Hossein Abad, Iran.

239856 and 239857.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 20, 1957.

239856. *LEERISA* sp. Poaceae.

Col. No. 684. Telefomin. Apr. 11, 1957. Perennial.

239857. *EULALIA TRISPICATA* (Schult.) Hern. Poaceae.

Col. No. 652. Yambi. Apr. 3, 1957. Perennial.

239858 to 239927.

From Italy. Seeds presented by the Plant Production Branch, Agricultural Division, Food and Agriculture Organization, Rome. Received May 20, 1957.

Localities given are F.A.O. sources.

239858. *ANTHYLLIS TETRAPHYLLA* L. Fabaceae.

No. 3562. Elvas Plant Breeding Station, Portugal.

239859 and 239860. *CICER ARIETINUM* L. Fabaceae.**Chickpea.****239859.** No. 3812. Teheran, Iran.**239860.** No. 3813. Teheran, Iran.**239861 and 239862.** *HEDYSARUM PALLIDUM* Desf. Fabaceae.**Sweetvetch.****239861.** No. 3614. El Alem, Tunisia.**239862.** No. 3826. El Alem, Tunisia.**239863.** *HEDYSARUM FLEXUOSUM* L.**Sweetvetch.**

No. 3463. Karia Ben Aouda, Morocco.

239864. *HEDYSARUM SPINOSISSIMUM* L.**Sweetvetch.**

No. 3615. Kasserine, Tunisia.

239865 to 239867 *LATHYRUS SATIVUS* L. Fabaceae.**Grass peavine.****239865.** No. 3806. Hamadan, Iran.**239866.** No. 3807. Damaq, Iran.**239867.** No. 3809. Hamadan, Iran.**239868.** *MEDICAGO LACINIATA* (L.) Mill. Fabaceae.**Medic.**

No. 3445. Tagragra, Morocco.

239869. *MEDICAGO MUREX* Willd.**Medic.**

No. 3301. Bone, Algeria.

239870 to 239881. *MEDICAGO TRIBULOIDES* Desf.**Barrel medic.****239870.** No. 3005. Tagragra, Morocco.**239871.** No. 3057. El Baida, Cyrenaica.**239872.** No. 3077. Barce, Cyrenaica.

239858 to 239927—Continued**239870 to 239881—Continued**

239873. No. 3109. Bouzarea, Algeria.
 239874. No. 3155. Orleansville, Algeria.
 239875. No. 3184. Frenda, Algeria.
 239876. No. 3280. Ain Yagout, Algeria.
 239877. No. 3345. Amizmiz, Morocco.
 239878. No. 3363. Marrakech, Morocco.
 239879. No. 3420. Djebilet, Morocco.
 239880. No. 3567. Campo Maior, Portugal.
 239881. No. 3833. Tor Moncina Plots, Italy.

239882 to 239888. MEDICAGO TURBINATA (L.) All.**Medic.**

239882. No. 3056. El Baida, Cyrenaica.
 239883. No. 3078. Barce, Cyrenaica.
 239884. No. 3285. Ouled Rhamoun, Algeria.
 239885. No. 3346. Amizmiz, Morocco.
 239886. No. 3409. Agaiouar, Morocco.
 239887. No. 3410. Agaiouar, Morocco.
 239888. No. 3459. Karia Ben Aouda, Morocco.

239889. SCORPIURUS MURICATA L. Fabaceae.**Scorpiontail.**

No. 3828. Tor Moncina, Italy.

239890. TRIFOLIUM PALLIDUM Waldst. & Kit. Fabaceae.**Clover.**

No. 3116. Kolea, Algeria.

239891 to 239898. TRIFOLIUM RESUPINATUM L.**Persian clover.**

From Iran.

239891. No. 3692. Isfahannak.
 239892. No. 3693. Gaveharokh.
 239893. No. 3695. Tonderan.
 239894. No. 3701. Eskon.
 239895. No. 3721. Dgarabad.
 239896. No. 3762. Teheran.
 239897. No. 3767. Abali-Firuski.
 239898. No. 3829. Abali-Firuski.

239899 to 239910. TRIFOLIUM SUBTERRANEUM L.**Subterranean clover.**

239899. No. 3108. Bouzarea, Algeria.
 239900. No. 3304. Auribeau, Algeria.
 239901. No. 3458. Karia Ben Aouda, Morocco.

239902 to 239910. From Portugal.

239902. No. 3527. Ferreiro do Alentejo.
 239903. No. 3552. Beja.
 239904. No. 3570. Arronches.
 239905. No. 3571. Arronches.
 239906. No. 3574. Castelo de Vide.

239858 to 239927—Continued**239899 to 239910—Continued****239902 to 239910—Continued**

- 239907.** No. 3577. Alpedrinha.
239908. No. 3583. Fundao.
239909. No. 3605. Ramada.
239910. No. 3830. Fundao.

239911 and 239912. TRIGONELLA POLYCRATA L. Fabaceae.

- 239911.** No. 3788. Afghanistan.
239912. No. 3379. Talate Auamane, Morocco.

239913 to 239917. VICIA ERVILIA (L.) Willd. Fabaceae.**Bittervetch.**

From Iran.

- 239913.** No. 3799. **239916.** No. 3802. Nehavand.
239914. No. 3800. Aran. **239917.** No. 3805. Karaj.
239915. No. 3801. Nehavand.

239918. VICIA MONANTHA Retz.**Bard vetch.**

No. 3239. Bough-zoul, Algeria.

239919 to 239925. VICIA SATIVA L.**Common vetch.**

From Iran.

- 239919.** No. 3789. Isfahan.
239920. No. 3790. Isfahan.
239921. No. 3791. Isfahan.
239922. No. 3792. Golpaigon.
239923. No. 3793. Hamadan.
239924. No. 3795. Firuskuh Cross Roads.
239925. No. 3796. Borujerd.

239926. VICIA VILLOSA Roth**Hairy vetch.**

No. 3797. Firuskuh Cross Roads, Iran.

239927. VICIA sp.

No. 3617. Eskisehir, Turkey.

239928 to 239933.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer. Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 21, 1957.

From the Botanical Garden, University of Pavia. May 11, 1957

239928. PACHYSTROMA LONGIFOLIUM (Nees) I. M. Johnst. Euphorbiaceae

Col. No. 3911. Large evergreen shrub; leaves hollylike, to 5 inches long, spiny.

239929. CORYLUS AVELLANA L. Betulaceae.**Filbert.**

Col. No. 3910. 'Heterophylla'. Much-branched shrub; leaves oaklike, divided.

239930. HEDERA CANARIENSIS Willd. Araliaceae.**Ivy.**

Col. No. 3915. 'Arborescens Variegata'. Climbing evergreen vine; mature foliage white-variegated.

239931. LIGUSTRUM AMURENSE Carr. Oleaceae.**Privet.**

Col. No. 3914. 'Pendulum'. Branches weeping.

239928 to 239933—Continued

239932. *LIGUSTRUM DELAVAYANUM* Hariot **Privet.**

Col. No. 3913. Evergreen shrub to 10 feet high; flowers white.

239933. *ROYENA LUCIDA* L. Diospyraceae.

Col. No. 3912. Large evergreen shrub; leaves to 2 inches long, ovate; flowers yellowish to white.

239934. *AGAVE* sp. Amaryllidaceae.

From Mexico. Plant collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 20, 1957.

Col. No. 16436. Tehuantepec, Oaxaca.

239935 to 239940.

From Denmark. Seeds presented by Kai Larsen, Copenhagen. Received May 21, 1957.

239935. *INDIGOFERA* sp. Fabaceae. **Indigo.**

Originally from the Botanical Garden, Hamburg, Germany.

239936 to 239940. *LOTUS PEDUNCULATUS* Cav. Fabaceae. **Big trefoil.**

239936. No. 63. Originally from Austria.

239937. No. 77A/433. Originally from Germany.

239938. No. 830. Originally from France.

239939. Originally from England.

239940. No. 92. Original source unknown.

239941 and 239942. *GOSYPIUM* (hybrids). Malvaceae. **Cotton.**

From the Sudan. Seeds presented by the Ministry of Agriculture, Cotton Breeding Section, Shambat, Khartoum. Received May 23, 1957.

239941. (*G. arboreum* × *G. stocksii*.)

239942. (*G. arboreum* × *G. triphyllum*.)

239943 to 239984.

From Italy. Seeds presented by the Plant Production Branch, Food and Agriculture Organization of the United Nations, Rome. Received May 21, 1957.

239943. *HEDYSARUM CORONARIUM* L. Fabaceae. **Sulla sweetvetch.**

No. 3613. Beja, Tunisia.

239944. *HEDYSARUM PALLIDUM* Desf. **Sweetvetch.**

No. 3284. Les Lacs, Algeria.

239945. *LOTUS MAROCCANUS* Ball Fabaceae. **Trefoil.**

No. 3004. Oualidia, Morocco.

239946 to 239952. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

239946. No. 3616. Eskisehir, Turkey.

239947. No. 3696. Isfahan, Iran.

239948. No. 3698. Golpaygen, Iran.

239949. No. 3706. Karadj, Iran.

239950. No. 3764. Teheran, Iran.

239951. No. 3770. Abali-Firusku, Iran.

239952. No. 3782. Afghanistan.

239943 to 239984—Continued

239953 to 239956. *MEDICAGO SATIVA* var. *GAETULA* Urban **Alfalfa.**
From Algeria.

239953. No. 3249. El Achir.

239954. No. 3261. Colbert.

239955. No. 3276. Lambese.

239956. No. 3317. Setif Experiment Station.

239957 to 239960. *ONOBRYCHIS VICIAEFOLIA* Scop. Fabaceae. **Sainfoin.**
From Iran.

239957. No. 3814. Tundarud.

239958. No. 3815. Golpaigan.

239959. No. 3816. Eskon.

239960. No. 3817. Crossroad Firuskuh.

239961 to 239967. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. **Strawberry clover.**

239961. No. 3380 Timoucha, Morocco.

239962. No. 3484. Ifrane, Morocco.

239963. No. 3607. Ramada, Portugal.

239964. No. 3658. Kerasovan, Greece.

239965. No. 3670. Arta, Greece.

239966. No. 3831. Rome, Italy.

239967. No. 3832. Danehgerd, Iran.

239968 to 239974. *TRIFOLIUM PRATENSE* L. **Red clover.**

239968. No. 3486. Immouzer, Morocco.

239969. No. 3682. Tor Mancina, Italy.

239970. No. 3600. Karadj Valley, Iran.

239971. No. 3708. Karadj, Iran.

239972. No. 3715. Canehgerd, Iran.

239973. No. 3725. Schanah, Iran.

239974. No. 3763. Teheran, Iran.

239975 to 239984. *TRIFOLIUM REPENS* L. **Whiteclover.**

239975. No. 3224. Medea, Algeria.

239976. No. 3412. Agaiouar, Morocco.

239977. No. 3516. Aguas de Moura, Portugal.

239978. No. 3584. Belmonte, Portugal.

239979. No. 3608. Ramada, Portugal.

239980. No. 3642. Koutsonfiana, Greece. Plant vigorous, spreading, leafy; medium early blooming.

239981. No. 3656. Kerasovan, Greece.

239982. No. 3716. Danehgerd, Iran.

239983. No. 3717. Danehgerd, Iran.

239984. No. 3759. Chuchan, Iran.

239985. *CITRUS MACROPTERA* Mont. Rutaceae.

From New Caledonia. Seeds presented by Felix Demene, Noumea.

Received May 23, 1957.

239986. DIOSCOREA sp. Dioscoreaceae.

From Costa Rica. Tuber collected by Jose J. Cordoba and H. B. MacPhilliams, San Isidro del General. Received May 21, 1957.

No. 366.

239987 and 239988.

From Ecuador. Plants presented by Jose Strobel, Cuenca.

Received May 31, 1957.

239987. ONCIDIUM sp. Orchidaceae.

No. 24.

239988. TELEPOGON sp. Orchidaceae.

No. 20.

239989 and 239990. CYTISUS NIGRICANS L. Fabaceae.

Spike broom.

From Great Britain. Plants presented by the Keeper's Hill Nursery, Stapehill, Wimborne, England. Received May 21, 1957.

239989. 'Albo-carneus'.

239990. 'Elongatus'.

239991 to 240009.

From Sicily. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received May 21, 1957.

Collected at the Botanical Garden, University of Palermo, Palermo, May, 1957. Cuttings unless otherwise indicated.

239991. ACANTHOPANAX TRIFOLIATUS (L.) Voss Araliaceae.

Col. No. 3924. Sprawling shrub; leaves lustrous, trifoliate; stems spiny.

239992 and 239993. ANTIRRHINUM TORTUOSUM Bosc. ex Lam. Scrophulariaceae.

Snapdragon.

239992. Col. No. 3922. Plant shrublike to 4 feet high; leaves linear; flowers large, lavender-pink.

239993. Col. No. 3922A. Seeds of P.I. 239992.

239994. OREOPANAX XALOPENSE (H.B.K.) Decne. & Planch. Araliaceae.

Col. No. 3972. Large evergreen bush; leaves digitately compound; flowers inconspicuous, greenish-white.

239995. CHEIRANTHODENDRON PENTADACTYLON Larr. Sterculiaceae.

Col. No. 3926. Small tree; leaves platanus-like, rusty below; flowers red inside.

239996. CLERODENDRUM TOMENTOSUM R. Br. Verbenaceae.

Col. No. 3921. Large shrub; leaves ovate-lanceolate, soft pubescent; flowers white, scented.

239997. CLUSIA FLAVA Jacq. Clusiaceae.

Col. No. 3919. Evergreen tree; leaves thick, lustrous, leathery.

239998. DRACAENA REFLEXA Lam. Liliaceae.

Col. No. 3923. Large, evergreen, much-branched, dense-headed shrub; leaves lanceolate, shiny. Ornamental.

239999. CASSINE PAPILLOSA (Eck. & Zeyh.) O. Kuntze Celastraceae.

Col. No. 3928. Large evergreen bush, resembling holly; flowers small, white.

240000. FICUS GIGANTEA H.B.K. Moraceae.

Col. No. 3917. Large deciduous tree.

Fig.

239991 to 240009—Continued

- 240001.** *FICUS HETEROPHYLLA* L. f. **Fig.**
Col. No. 3920. Small evergreen tree; leaves linear-lanceolate.
- 240002.** *FICUS BIBRACTEATA* Miq. **Fig.**
Col. No. 3916. Evergreen tree to 50 feet high; trunk diameter three to four feet.
- 240003.** *MALPIGHIA FUCATA* Ker. Malpighiaceae.
Col. No. 3918. Small evergreen tree or large shrub; flowers white.
- 240004.** *CITRUS AURANTIUM* L. Rutaceae. **Sour orange.**
Col. No. 3925. Evergreen shrub to 6 feet high; berries black.
- 240005.** *PEPEROMIA FENZELII* Regel Piperaceae.
Col. No. 3930. Erect perennial, 6 inches high; leaves 0.5 inch long, thickish.
- 240006.** *PEPEROMIA INCANA* A. Dietr.
Col. No. 3933. Mostly erect, tomentose, succulent-stemmed perennial; leaves broadly ovate to nearly oval.
- 240007.** *PEPEROMIA PERESKIAEFOLIA* H.B.K.
Col. No. 3932. Sprawling, procumbent perennial; stems square; leaves rhombic, whorled; veins prominent.
- 240008.** *PEPEROMIA RUBELLA* Hook.
Col. No. 3931. Rhizomatous perennial; stems reddish; leaves whorled.
- 240009.** *VITEX GLABRATA* R. Br. Verbenaceae.
Col. No. 3929. Shrub to 8 feet high; leaves digitately compound, lustrous.

240010 to 240027.

From France. Plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 21, 1957.

Collected at the Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, Alpes-Maritimes. May 1, 1957.

- 240010.** *CEROPEGIA SERPENTINA* E. A. Bruce Asclepiadaceae.
Col. No. 3877. Plant succulent; branches brownish, long, whiplike.
- 240011.** *CYNANCHUM PERRIERI* Choux Asclepiadaceae.
Col. No. 3874. Plant scrambling; stems green, naked.
- 240012.** *EUPHORBIA BEAUMERIANA* Hook.f. & Coss. Euphorbiaceae. **Spurge.**
Col. No. 3871. Plant succulent; ribs strong.
- 240013.** *EUPHORBIA CAERULESCENS* Haw. **Spurge.**
Col. No. 3869. Plant spiny, fleshy, succulent.
- 240014.** *EUPHORBIA FRUTICOSA* Forsk. **Spurge.**
Col. No. 3870. Fleshy perennial covered with spines.
- 240015.** *EUPHORBIA GOSSYSPINA* Pax **Spurge.**
Col. No. 3879. Plant succulent, erect, much-branched, leafless; stems green.
- 240016.** *EUPHORBIA INTISY* var. *MAINTYI* (Decorse) E. H. Poiss. **Spurge.**
Col. No. 3875. Succulent, much-branched; stems green.
- 240017.** *EUPHORBIA INTISY* Drake **Spurge.**
Col. No. 3878. Much-branched, sprawly, leafless shrub; has been exploited as a source of rubber.

240010 to 240027—Continued

- 240018.** *EUPHORBIA LARO* Drake **Spurge.**
Col. No. 3882. Plant much-branched, terete, succulent; stems green.
- 240019.** *EUPHORBIA SPLENDENS* var. *BOJERI* (Hook.) Leandri **Spurge.**
Col. No. 3888. Perennial subshrub; stems prickly; leaves 4 inches long; flowers scarlet.
- 240020.** *EUPHORBIA* sp.
Col. No. 3881. Terete, green-stemmed, succulent perennial.
- 240021.** *EUPHORBIA PHILLIPSIAE* N. E. Br. **Spurge.**
Col. No. 3872. Strongly ribbed, fleshy perennial.
- 240022.** *EUPHORBIA PTERONEURA* A. Berg. **Spurge.**
Col. No. 3880. Succulent; stems angled, pinkish-green.
- 240023.** *EUPHORBIA SIPOLISI* N. E. Br. **Spurge.**
Col. No. 3873. Plant succulent, branched from base; stems terete, often reddish.
- 240024.** *KALANCHOE MANGINII* Ham. & Perr. Crassulaceae.
Col. No. 3863. Low, decumbent succulent; flowers scarlet
- 240025.** *KALANCHOE MARNIERANA* (Mann. & Boit.) Jacobs
Col. No. 3865. Perennial succulent.
- 240026.** *KALANCHOE PUMILA* Bak.
Col. No. 3862. Sprawly perennial; leaves whitish, farinose; flowers deep lavender, showy.
- 240027.** *VOHEMARIA MESSERI* Buchenau Asclepiadaceae.
Col. No. 3876. Plant sprawling and scrambling; stems green.

240028 to 240048

From Sicily. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 22, 1957.

Collected at the Botanical Garden, University of Palermo, Palermo, unless otherwise indicated. May 17, 1957.

- 240028.** *BOURRERIA SUCCULENTA* Jacq. Boraginaceae.
Col. No. 3938. Large evergreen shrub; leaves leathery; flowers greenish.
- 240029.** *BREXIA MADAGASCARENSIS* Thour. Saxifragaceae.
Col. No. 3949. Large evergreen shrub to 20 feet high; to 8 inches long, leathery; flowers greenish-white.
- 240030.** *BUDDLEIA GRANDIFLORA* Cham. & Schlecht. Loganiaceae. **Butterflybush**
Col. No. 3944. Spreading shrub to 10 feet high.
- 240031.** *CELASTRUS DIVERSIFOLIUS* Hemsl. Celastraceae.
Col. No. 3935. Evergreen tree to 30 feet high; leaves leathery, shiny.
- 240032.** *CORDIA FRANCISII* Tenore Boraginaceae.
Col. No. 3939. Evergreen tree to 60 feet high, somewhat buttressed, round headed; flowers white.
- 240033.** *CYCLAMEN REPANDUM* Sibth. & Smith Primulaceae.
Col. No. 3934. Village of San Martino, west of Palermo. Coriis to 3 inches in diameter; leaves white-marbled or uniformly green; flowers rose-purple, slightly fragrant.
- 240034.** *EHRETIA TINIFOLIA* L. Boraginaceae.
Col. No. 3951. Small evergreen tree; leaves leathery.

240028 to 240048—Continued**240035.** *GILBERTIA CUNEATA* March Araliaceae.

Col. No. 3946. Evergreen tree to 30 feet high; flowers small, yellowish.

240036. *GRABOWSKIA LINDLEYI* Sendt. Solanaceae.

Col. No. 3945. Sprawling branched shrub; leaves glaucous.

240037. *JASMINUM CAPENSE* Thunb. Oleaceae.**Jasmine.**

Col. No. 3943. Evergreen climber; leaves deep green, lustrous, to 2 inches long; flowers white.

240038. *MELODINUS SCANDENS* Forst. Apocynaceae.

Col. No. 3936. Evergreen scrambling vine.

240039. *MONETIA BARLERIOIDES* L'Herit. Salvadoraceae.

Col. No. 3937. Small evergreen tree; flowers whitish.

240040. *MYOPORUM ACUMINATUM* R. Br. Myoporaceae.

Col. No. 3947. Large evergreen bush; leaves leathery, punctate.

240041. *NOTELAEA EXCELSA* Webb. & Berth. Oleaceae.

Col. No. 3948. Much-branched, evergreen tree to 25 feet high; leaves holly-like, leathery, deep green, lustrous; fruit black, oliveliike.

240042. *OLINIA CYMOSEA* Thunb. Oliniaceae.

Col. No. 3950. Evergreen tree to 30 feet high; flowers white.

240043. *PIPER CELTIDIFOLIUM* Ham. Piperaceae.

Col. No. 3940. Large, much branched, evergreen shrub.

240044. *PITTIOSPORUM VIRIDIFLORUM* Sims Pittosporaceae.

Col. No. 3953. Evergreen tree; leaves lustrous, deep green; flowers greenish-yellow, fragrant.

240045. *ROGIERA ELEGANS* Planch. Rubiaceae.

Col. No. 3942. Small tree; leaves to 4 inches long, 2 inches wide.

240046. *SALVIA LEONUROIDES* Gloxin Menthaceae.

Col. No. 3941. Much branched shrub to 4 feet high; foliage aromatic; flowers red.

240047. *WITHANIA ARISTATA* Pauq. Solanaceae.

Col. No. 3938a. Evergreen shrub; flowers green, small.

240048. (Undetermined.)

Col. No. 3952. Large evergreen shrub; leaves shiny; flowers chartreuse, rim of cup orange.

240049 to 240055.

From Costa Rica. Tubers presented by the United States Rubber Experiment Station, Turrialba. Received May 22, 1957.

240049. *DIOSCOREA* sp. Dioscoreaceae.

No. 1.

240050. *DIOSCOREA* sp.

No. 2.

240051. *DIOSCOREA* sp.

No. 3.

240052. *DIOSCOREA* sp.

No. 4.

240049 to 240055—Continued**240053.** DIOSCOREA sp.

No. 5.

240054. DIOSCOREA sp.

No. 6.

240055. DIOSCOREA sp.

No. 7.

240056 to 240071. ZEA MAYS L. Poaceae. **Corn.**

From Spain. Seeds presented by the United States Operations Mission, Madrid. Received May 22, 1957.

240056. 81 × 109. **240064.** 115 × 130.**240057.** 104 × 107. **240065.** 116 × 117.**240058.** 107 × 130. **240066.** 121 × 105.**240059.** 109 × 114. **240067.** 121 × 109.**240060.** 111 × 103. **240068.** 122 × 105.**240061.** 111 × 106. **240069.** 123 × 105.**240062.** 111 × 130. **240070.** 127 × 109.**240063.** 114 × 63. **240071.** 128 × 106.**240072.** ORMOSIA sp. Fabaceae.

From Canal Zone. Seeds presented by the Division of Agriculture and Natural Resources, Balboa. Received May 23, 1957.

240073 to 240078.

From Sicily. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 23, 1957.

From the Botanical Garden, Palermo. May 18, 1957.

240073. CENTAUREA VERBASCIFOLIA Vahl Asteraceae.

Col. No. 3956. Half-woody subshrub to 4 feet high; leaves to 8 inches long and 4 inches wide, green above, white tomentose beneath; flower heads lavender. Probably hardy in frostless regions only.

240074. FICUS ALTISSIMA Blume Moraceae. **Lofty fig.**

Col. No. 3964. Large evergreen tree to 50 feet high.

240075. FICUS MAGNOLIODES Borzi **Fig.**

Col. No. 3960. Large evergreen tree to 60 feet high; stilt-roots; leaves to 8 inches long, lustrous, deep green. Ornamental.

240076. HETEROPTERYS CHRYSOPHYLLA H. B. K. Malpighiaceae.

Col. No. 3958. Scrambling or half erect evergreen shrub; leaves shiny green above, silvery tomentose below.

240077. SALMEA SCANDENS (L.) DC. Asteraceae.

Col. No. 3959. Scrambling, evergreen, twining vine; flowers all discoid.

240078. TARCHONANTHUS CAMPHORATUS L. Asteraceae.

Col. No. 3957. Large evergreen shrub; leaves green above, silvery tomentose beneath; flower heads purple.

240079. GLYCINE MAX (L.) Merr. Fabaceae. **Soybean.**

From Japan. Seeds presented by the National Agricultural Experiment Station, Kotoni, Sapporo. Received May 23, 1957.

240080 and 240081. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From New Zealand. Seeds presented by the Scientific and Industrial Research Department, Christchurch. Received May 23, 1957.

240080. 'Aotea'. (Cross 7 × Dreadnought) × (Hofed × Cross 7.)

240081. 'Arawa'.

240082 to 240106.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 17, 1957.

Collected in May, 1957.

240082. SACCHARUM EDULE Hassk. Poaceae.

Sugarcane.

Col. No. 164. 'Taboe-telor'. Manokwari.

240083 to 240103. SACCHARUM OFFICINARUM L.

Sugarcane.

240083 to 240088. Wosi Experiment Station, Manokwari.

240083. Col. No. 155. Clone 57 NG 155.

240084. Col. No. 156

240085. Col. No. 157.

240086. Col. No. 158. 'Hangwoi'. Red Blotched.

240087. Col. No. 159. 'Hi-crom'.

240088. Col. No. 160. 'Sempeo'.

240089 to 240092. Near Wosi Experiment Station, Manokwari.

240089. Col. No. 161. Japanese introduction; hybrid.

240090. Col. No. 162.

240091. Col. No. 163.

240092. Col. No. 165.

240093. Col. No. 166. Police Garden, Manokwari.

240094. Col. No. 167. Kwawi, Near Manokwari.

240095. Col. No. 169. Saowi, near Manokwari.

240096. Col. No. 171. 'Bisi-Madak'. Village of Malanubaru, Sorong.

240097. Col. No. 172. Ransiki.

240098. Col. No. 173. Ransiki.

240099. Col. No. 174. Ransiki, from Angi Lakes. Elevation 5,500 feet.

240100. Col. No. 175. Village of Malanubaru, Sorong.

240101. Col. No. 176. 'Bisi-Galamu'. Village of Malanubaru, Sorong.

240102. Col. No. 177. 'Kamain Simbur'. Near coast, Village of Tanjungcassowari.

240103. Col. No. 178. 'Kaman Tanenem'. Very large diameter. Village of Tanjungcassowari, Sorong.

240104 to 240106. SACCHARUM ROBUSTUM Brandes & Jesw.

Sugarcane.

240104. Col. No. 154. Wosi River, Manokwari.

240105. Col. No. 168. 'Taboe Air'. Andai River, southwest of Manokwari.

Clone 57 NG 168.

240106. Col. No. 170. Bami River, near Manokwari.

240107. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.**Yam.**

From Guatemala. Tubers presented by R. Keilhauer, Guatemala City.
Received May 21, 1957.

240108 to 240120.

From Sicily. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received May 23, 1957.

Collected at the Botanical Garden, Palermo. May 18, 1957. Cuttings unless otherwise indicated.

240108. OREOPANAX DACTYLIFOLIUS Hort. Araliaceae.

Col. No. 3971. Evergreen tree to 30 feet high; leaves deeply lobed, green above, rusty-brown beneath, leathery.

240109. BACCHARIS ROSMARINIFOLIA Hook. & Arn. Asteraceae.

Col. No. 3967. Small evergreen shrub; foliage with the aspect of rosemary.

240110. CENTAUREA VERBASCIFOLIA Vahl Asteraceae.

Col. No. 955. Half-woody subshrub to 4 feet high; leaves to 8 inches long and 4 inches wide, green above, white tomentose beneath; flower heads lavender. (Seeds.)

240111. FICUS CAPENSIS Thunb. Moraceae**Cape fig.**

Col. No. 3968. Deciduous tree to 30 feet high.

240112. GILBERTIA CUNEATA March Araliaceae.

Col. No. 3946. Evergreen tree to 30 feet high; flowers small, yellowish. (Seeds.)

240113. HIPPOBROMUS ALATUS Eckl. & Zeyh. Sapindaceae.

Col. No. 3969. Evergreen tree to 20 feet high; foliage fernlike.

240114. KIGGELARIA AFRICANA L. Bixaceae.

Col. No. 3965. Evergreen tree to 60 feet high; flowers clustered, small white.

240115. APOLLONIAS CANARIENSIS Nees Lauraceae.

Col. No. 3966. Much-branched, evergreen tree, forming a round crown; leaves to 5 inches long, aromatic.

240116. PACHYSTROMA LONGIFOLIUM (Nees) I. M. Johnst. Euphorbiaceae.

Col. No. 3962. Large evergreen shrub; leaves hollylike, to 5 inches long, spiny.

240117. PILOCARPUS PENNATIFOLIUS Lem. Rutaceae.

Col. No. 3961. Small evergreen shrub; leaves pinnately divided, leathery, deep green, lustrous. Source of the drug "Jaborandi."

240118. RHUS UNDULATA Jacq. Anacardiaceae.

Col. No. 3970. Evergreen tree to 20 feet high; leaves divided.

240119 and 240120. VISNEA MOCANERA Lf. Theaceae.

240119. Col. No. 3963. Evergreen tree to 30 feet high. (Cuttings.)

240120. Co. No. 3963a. (Seeds.)

240121. PONCIRUS TRIFOLIATA (L.) Raf. Rutaceae. Hardy orange.

From Australia. Seeds presented by the Division of Horticulture, Department of Agriculture, Sydney, New South Wales. Received May 23, 1957.

240122. RHYNCHOSIA PYRAMIDALIS (Lam.) Urb. Fabaceae.

From Mexico. Seeds collected by Bernice G. Schubert and O. G. Enriquez, Rancho Eledin on the Rio Grijalba, Chiapas. Received May 24, 1957. 'Pega Palo'.

240123 to 240125.

From Australia. Seeds presented by the Botanic Garden, Adelaide. Received May 24, 1957.

- 240123.** CASSIA OLIGOPHYLLA F. Muell. Caesalpiniaceae. **Senna.**
240124. HARPULLIA PENDULA Planch. Sapindaceae.
240125. SCHEFFLERA VENULOSA (Wight & Arn.) Harms Araliaceae.

240126 and 240127.

From Sicily. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 24, 1957.

From the Botanical Garden, Palermo. May 18, 1957.

- 240126.** FICUS BELLENGERI C. Moore Moraceae **Fig.**
 Col. No. 3977. Evergreen tree to 50 feet high; leaves to 8 inches long.
240127. TETRASTIGMA HARMANDII Planch. Vitaceae.
 Col. No. 3981. Rank-growing evergreen vine with tendrils; leaves lustrous; flowers greenish.

240128 to 240287.

From Italy. Seeds presented by the Plant Production Branch, Food and Agriculture Organization of the United Nations, Rome.

Received May 27, 1957. Locations given are the F. A. O. sources.

- 240128** AGROPYRON REPENS (L.) Beauv. Poaceae. **Quackgrass.**
 No. 3743. Marand, Iran.
240129. AGROPYRON INTERMEDIUM (Host.) Beauv. **Intermediate wheatgrass.**
 No. 3742. Tabriz, Iran.
240130. AGROPYRON sp.
 No. 3773. Firusku-Abali, Iran.
240131 to 240145. AGROSTIS CASTELLANA Boiss. & Reut. Poaceae. **Bentgrass.**
 From Portugal.
240131. No. 3507. Villa Franca de Xira.
240132. No. 3511. Pegoes.
240133. No. 3515. Setubal.
240134. No. 3519. Alcour do Sol.
240135. No. 3522. Sao Bartolomew.
240136. No. 3524. Sao Bartolomew.
240137. No. 3532. Ferreira.
240138. No. 3543. Odeleite.
240139. No. 3545. Mertola.
240140. No. 3553. Beja.
240141. No. 3557. Portel.
240142. No. 3575. Nisa

240128 to 240287—Continued**240131 to 240145—Continued**

240143. No. 3581. Alpedrinha.

240144. No. 3582. Alpedrinha.

240145. No. 3586. Cubo.

240146 to 240148. ALOPECURUS ARUNDINACEUS Poir. Poaceae. Foxtail.

240146. No. 3746. Koy, Iran.

240147. No. 3769. Abali-Firusku.

240148. No. 3758. Cuchan, Iran.

240149. DICHANTHIUM ANNULATUM (Forsk.) Stapf Poaceae. Palwan.

No. 3448. Ait Hamadi, Morocco.

240150 and 240151. BRACHYPODIUM PINNATUM (L.) Beauv. Poaceae.**Japanese falsebrome.**

240150. No. 3035. Matsubah, Israel.

240151. No. 3665. Yannina, Greece.

240152. BROMUS ERECTUS Huds. Poaceae. Meadow brome.

No. 3436. Midelt, Morocco.

240153. BROMUS ARVENSIS L. Field brome.

No. 3747. Koy, Iran.

240154. BROMUS TOMENTOSUS Trin.

No. 3751. Chaluz, Iran.

240155. CYMBOPOGON SCHOENANTHUM (L.) Sprengel poaceae. Camel hay.

No. 3443. Agadir, Morocco.

240156 and 240157. FESTUCA AMPLA Hack. Poaceae. Fescue.

240156. No. 3521. Sao Bartolomew, Portugal.

240157. No. 3546. Mertola, Portugal.

240158 to 240160. HAYNALDIA HORDEACEA (Coss. & Dur.) Hack. Poaceae.

240158. No. 3398. Taddert, Morocco.

240159. No. 3434. Midelt, Morocco.

240160. No. 3482. Ifrone, Morocco.

240161 to 240164. HORDEUM BULBOSUM L. Poaceae. Bulbous barley.

240161. No. 3033. Beit-Qama, Israel.

240162. No. 3046. Barce, Cyrenaica.

240163. No. 3612. Beja, Tunisia.

240164. No. 3681. Tor Mancina, Italy.

240165 to 24168. ORYZOPSIS MILIACEA (L.) Benth. & Hook. Poaceae.**Smilo grass.**

240165. No. 3098. Maison-Carree, Algeria.

240166. No. 3342. Ya Sidi Rehal, Morocco.

240167. No. 3385. Taroudannt, Morocco.

240168. No. 3441. Ida Outanane, Morocco.

240128 to 240287—Continued

- 240169 to 240171.** *PENNISETUM CILIARE* (L.) Link Poaceae. **Buffelgrass.**
240169. No. 3418. Djebilet, Morocco.
240170. No. 3438. Agadir, Morocco.
240171. No. 3439. Agadir, Morocco.
- 240172 to 240195.** *PHALARIS COERULESCENS* Desf. Poaceae. **Canarygrass.**
240172 to 240186. From Algeria.
240172. No. 3103. El Biar.
240173. No. 3121. Rovigo.
240174. No. 3138. Affreville.
240175. No. 3173. Tiaret.
240176. No. 3176. Tiaret.
240177. No. 3202. Ain-el Hadjar.
240178. No. 3216. Medea.
240179. No. 3222. Medea.
240180. No. 3231. Berrouaghia.
240181. No. 3232. Berrouaghia.
240182. No. 3292. Oved Zenati.
240183. No. 3299. Bone.
240184. No. 3307. Jemmapes.
240185. No. 3329. Thiers.
240186. No. 3330. Beni Amran,
240187. No. 3471. Merdja Bakka, Morocco.
240188 to 240193. From Portugal.
240188. No. 3528. Ferreiro do Alentejo.
240189. No. 3535. Castro Verde.
240190. No. 3549. Beja.
240191. No. 3559. Sao Mancos.
240192. No. 3596. Batalha.
240193. No. 3601. Sao Martinho do Porto.
240194. No. 3609. Beja, Tunisia.
240195. No. 3626. Erythrae, Greece.
- 240196 to 240219.** *PHALARIS TRUNCATA* Guss. **Canarygrass.**
240196. No. 3061. Cyrene, Cyrenaica.
240197 to 240219. From Algeria.
240197. No. 3120. Rovigo.
240198. No. 3130. Oved El Alleug.
240199. No. 3137. Affreville.
240200. No. 3219. Medea.
240201. No. 3226. Loverdo.
240202. No. 3233. Berrouaghia.
240203. No. 3237. Brazza.
240204. No. 3251. El Achir.
240205. No. 3255. Bordj Bou Arreridj.

240128 to 240287—Continued**240197 to 240219—Continued**

- 240206.** No. 3264. Ras el Aioun.
240207. No. 3282. Les Lacs.
240208. No. 3287. Le Kroubs.
240209. No. 3290. Oved Zenati.
240210. No. 3303. Bone.
240211. No. 3306. Jemmapes.
240212. No. 3311. El Arrouch.
240213. No. 3313. Chateaudun du Rhumel.
240214. No. 3318. Setif.
240215. No. 3321. Paul Doumer.
240216. No. 3324. Mansourah.
240217. No. 3331. L'Alma.
240218. No. 3332. L'Alma.
240219. No. 3610. Beja.

240220 to 240284. PHALARIS AQUATICA L. Poaceae. Large canarygrass.

- 240220.** No. 3030. Beit-Qama, Israel.
240221. No. 3031. Beit-Qama, Israel.
240222. No. 3042. Moledet, Israel.
240223. No. 3044. Mishmar Maemak, Israel.
240224 to 240247. From Algeria.
- 240224.** No. 3119. St. Charles.
240225. No. 3124. Bouinan.
240226. No. 3128. Boufarik.
240227. No. 3146. Miliana.
240228. No. 3147. Miliana.
240229. No. 3150. Lavarande.
240230. No. 3164. St. Aime.
240231. No. 3170. Relizane.
240232. No. 3171. Relizane.
240233. No. 3187. Ainkermes.
240234. No. 3188. Martimprey.
240235. No. 3189. Martimprey.
240236. No. 3190. Zelemta.
240237. No. 3194. Mascara.
240238. No. 3208. Saida.
240239. No. 3227. Berrouaghia.
240240. No. 3230. Berrouaghia.
240241. No. 3245. Bouira.
240242. No. 3272. Lambese.
240243. No. 3293. Oved Zenati.
240244. No. 3294. Oved Zenati.

240128 to 240287—Continued**240220 to 240284—Continued****240224 to 240247—Continued**

240245. No. 3297. Bone.
 240246. No. 3305. Jemmapes.
 240247. No. 3327. Bouira.

240248 to 240276. From Morocco.

240248. No. 3335. Marrakech.
 240249. No. 3340. Sidi Rehal.
 240250. No. 3347. Amizmiz.
 240251. No. 3349. Marrakech.
 240252. No. 3355. Tiddli.
 240253. No. 3357. Tanaant.
 240254. No. 3360. Tizi Bou Tafouk.
 240255. No. 3365. Marrakech.
 240256. No. 3367. Ijoukak.
 240257. No. 3370. Tizi N'Test.
 240258. No. 3387. Tizi Badaoun.
 240259. No. 3391. Oved Zatt.
 240260. No. 3394. Oved Zatt.
 240261. No. 3403. Touama.
 240262. No. 3405. Marrakech.
 240263. No. 3408. Marrakech.
 240264. No. 3415. Tahannaout.
 240265. No. 3422. Skhour Des Rehamna.
 240266. No. 3425. Barrange Imfout.
 240267. No. 3429. Boulaouane.
 240268. No. 3432. Boulaouane.
 240269. No. 3440. Ida Outanane.
 240270. No. 3455. Boukraoun.
 240271. No. 3473. Meknes.
 240272. No. 3493. Ito.
 240273. No. 3498. Ito.
 240274. No. 3500. Meknes.
 240275. No. 3501. Meknes.
 240276. No. 3503. Meknes.
240277. No. 3517. Alcacer do Sol, Portugal.
 240278. No. 3554. Beja, Portugal.
 240279. No. 3565. Elvas Plant Breeding Station, Portugal.
 240280. No. 3572. Arronches, Portugal.
 240281. No. 3630. Erythrae, Greece.
 240282. No. 3637. Lamia, Greece.
 240283. No. 3676. Corinth, Greece.
 240284. No. 3677. Tor Mancina, Italy.

240128 to 240287—Continued

240285. *SECALE ANATOLICUM* Boiss. Poaceae. **Rye.**

No. 3618. Eskisehir, Turkey.

240286. *SECALE MONTANUM* Guss. **Mountain rye.**

No. 3619. Eskisehir, Turkey.

240287. *PLANTAGO ALBICANS* L. Plantaginaceae. **Plantain.**

No. 3383. Ain Tiarit, Morocco.

240288. *MERCURIALIS ANNUA* L. Euphorbiaceae.

From France. Seeds presented by the Botanic Garden, Rennes. Received May 27, 1957.

240289 to 240303. *RUMEX HYMENOSEPALUS* Torr. Polygonaceae. **Canaigre.**

From Mexico. Tubers collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received May 27, 1957.

240289 to 240296. 'Cana Aigre'. Bacadehuachi, Sonora. May 21, 1957.

Elevation 2,500 feet. Plants small, scattered; roots tuberous, shallow, small; the older dark reddish.

240289. Col. No. 16645. **240293.** Col. No. 16649.

240290. Col. No. 16646. **240294.** Col. No. 16650.

240291. Col. No. 16647. **240295.** Col. No. 16651.

240292. Col. No. 16648. **240296.** Col. No. 16652.

240297 to 240303. 'Yerba Colorada'. Moctezuma, Sonora. May 22, 1957.

Silty alluvium along the Rio Moctezuma. Plants in small colonies; roots small, shallow; color reddish-brown.

240297. Col. No. 16657. **240301.** Col. No. 16661.

240298. Col. No. 16658. **240302.** Col. No. 16662.

240299. Col. No. 16659. **240303.** Col. No. 16663.

240300. Col. No. 16660.

240304 to 240309.

From Italy. Plant material collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received May 27, 1957.

From Botanical Garden, University of Rome. May, 1957.

240304. *AZARA URUGUAIENSIS* (Speg.) Sleumer Flacourtiaceae.

Col. No. 4000. Evergreen shrub to 6 feet high; leaves 2 inches long, 1 inch wide; elliptic. (Cuttings.)

240305. *CORDIA FRANCISCHII* Tenore Boraginaceae.

Col. No. 4003. Evergreen tree to 60 feet high, somewhat buttressed, round-headed; flowers white. (Cuttings.)

240306. *CUSSONIA SPICATA* Thunb. Araliaceae.

Col. No. 3982. Evergreen tree to 20 feet high; leaves digitately then pinately divided. (Cuttings.)

240307. *HEPTAPLEURUM STELLATUM* Gaertn. Araliaceae.

Col. No. 4001. Small evergreen tree; leaves digitately compound, deep green, lustrous. (Cuttings.)

240308. *NARCISSUS TAZETTA* var. *ITALICUS* Sims Amaryllidaceae.

Col. No. 3985. (Bulbs.)

240309. *SOLANUM BONARIENSE* L. Solanaceae.

Col. No. 4002. Shrub to 6 feet high; flowers white to violet; floriferous. (Cuttings.)

240310 to 240312. RICINUS COMMUNIS L. Euphorbiaceae.**Castorbean.**

From France. Seeds presented by the Institute de Recherches pour les Huiles et Oleagineux, Paris. Received May 28, 1957.

240310. I.R.H.O. 6. Type Zanzibarensis of Dahomey. Perennial; high habit; stems, leaves, and ribs green; resistant to capsule rotting and abortion.

240311. R. 63. Originated in Cambodia. Racemes 1 to 3 per plant, thick.

240312. S. 367. Type Minor Dahomey. Plant much-branched; partial dehiscence; resistant to capsule rotting and abortion.

240313 to 240317.

From Sicily. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 27, 1957.

From the Botanical Garden, Palermo. May 19, 1957.

240313. ANDROPOGON DISTACHYON L. Poaceae.

Bluestem.

Col. No. 3990. Tufted perennial to 3 feet high; spiklets plumelike. (Seeds.)

240314. PERIPLOCA GRAECA L. Asclepiadaceae.

Col. No. 3991. Large rampant climber, 50 feet long; leaves to 2 inches long, shiny; flowers purplish. (Cuttings.)

240315. PRONIUM PALMITA E. Mey. Juncaceae.

Col. No. 3993. Arborescent rush; stem to 5 inches in diameter; leaves stiff; pineapple-like, tufted at the top, to 20 inches long. Used in making baskets and for thatching. (Seeds.)

240316. SCABIOSA CRETICA L. Dipsacaceae.

Col. No. 3994. Much-branched shrub to 3 feet high; flowers blue. (Seeds.)

240317. MAUROCENIA CAPENSIS (L.) Sond. Celastraceae.

Col. No. 3992. Small evergreen tree to 20 feet high; leaves to 3 inches long, ovate, dark green lustrous above, lighter beneath. (Cuttings.)

240318 to 240334. ZEA MAYS L. Poaceae.**Corn.**

From Bolivia. Seeds presented by E. G. Beinhart, Santa Cruz. Received May 27, 1957.

240318 to 240325. White kernels.

240318. No. 1.

240322. No. 5.

240319. No. 2.

240323. No. 6.

240320. No. 3.

240324. No. 7.

240321. No. 4.

240325. No. 8.

240326 to 240329. Red kernels.

249326. No. 9.

240328. No. 11.

240327. No. 10.

240329. No. 12.

240330. No. 13. Pinkish white.

240331. No. 14. White and yellow.

240332. No. 15. White and yellow.

240333. No. 16. Black and white.

240334. No. 17. Yellow and black speckled; white cob.

240335. VIGNA VEXILLATA (L.) A. Rich. Fabaceae.**Cowpea.**

From Belgian Congo. Seeds presented by the Division de Institut National pour l'Etude Agronomique du Congo Belge, Yangambi. Received May 27, 1957. Originally from Nioka.

240336. EUCALYPTUS ASTRINGENS Maiden Myrtaceae. Gum.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 27, 1957. Originally from the Forest Department, Perth, Western Australia. No. 1546.

240337 to 240339.

From Germany. Seeds presented by the University Botanic Garden, Tubingen. Received May 28, 1957.

240337. LINUM ALPINUM L. Linaceae. Flax.

240338. LINUM PERENNE L. Perennial flax.

240339. LINUM USITATISSIMUM L. Common flax.

240340 to 240344.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 28, 1957. From the Botanical Garden, University of Naples. May 22, 1957.

240340. BUXUS BALEARICA Lam. Buxaceae. Spanish box.

Col. No. 3998. Evergreen shrub or small tree to 30 feet high; leaves roundish, to 2 inches long, thick, deep lustrous green.

240341. EUONYMUS PENDULUS Wall. Celastraceae.

Col. No. 3995. Evergreen tree to 50 feet high; leaves to 4 inches long, abruptly pointed, dark green, finely serrate; flowers greenish or yellowish.

240342. GARRYA FADYENII Hook. Cornaceae.

Col. No. 3999. Small evergreen tree to 20 feet high, branched from the base.

240343. PACHYSTROMA LONGIFOLIUM (Nees) I. M. Johnst. Euphorbiaceae.

Col. No. 3996. Large evergreen shrub; leaves hollylike, to 5 inches long, spiny.

240344. THEOPHRASTA IMPERIALIS Lind. Theophrastaceae.

Col. No. 3996. Evergreen tree to 30 feet high; leaves thick, leathery, spine-tipped, to 14 inches long.

240345 to 240358.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 28, 1957.

Collected Apr. 1957.

240345. ARTHRAXON HISPIDUS (Thunb.) Makino Poaceae.

Col. No. 682. Telefomin, Sepik District.

240346. DANTHONIA sp. Poaceae.

Col. No. 715. Nondugl. Common grass to 3 feet high.

240347. EREMOCHLOA CILIARIS var. ELATA Rehder Poaceae.

Col. No. 653. Yambi. Grassy plains.

240348. EULALIA IRRITANS (R. Br.) Kuntze Poaceae.

Col. No. 666. About 20 miles from Maprik on way to Pagivi, Sepik District.

240349. GNETUM GNEMON L. Gnetaceae.

Col. No. 700. Native garden, Lumi, Sepik District.

240350. HYPARRHENIA HIRTA (L.) Stapf Poaceae.

Col. No. 718. Nondugl. Plant to three feet high.

240345 to 240358—Continued

- 240351.** *IMPERATA CYLINDRICA* (L.) Beauv. Poaceae. **Cogangrass.**
Col. No. 692. Green River.
- 240352.** *ISCHAEMUM* sp. Poaceae.
Col. No. 656. Yambi. Grassy plains.
- 240353.** *ISCHAEMUM DIGITATUM* Brongn.
Col. No. 659. Roadside near Maprik,
- 240354.** *NICOTIANA TABACUM* L. Solanaceae. **Common tobacco.**
Col. No. 710. Nondugl. Native type.
- 240355.** *NICOTIANA TABACUM* L. **Common tobacco.**
Col. No. 711. Nondugl.
- 240356.** *RHODODENDRON HANSEMANII* Warb. Ericaceae.
Col. No. 678. Near Telefomin, Sepik District.
- 240357.** *STIZOLOBIUM* sp. Fabaceae.
Col. No. 688. Maprik.
- 240358.** *UVARIA* sp. Annonaceae.
Col. No. 677. Near Telefomin, Sepik District.

240359 to 240362.

From Portugal. Plant presented by the Estacao Agronomica Nacional, Sacavem.
Received Jan. 5, 1957.

Selections made at the Centro de Investigacao do Cafeiro.

- 240359.** *COFFEA CONGENSIS* Froehn. Rubiaceae. **Coffee.**
No. 902. Forest type. (Selected from P.I. 203134.)
- 240360 to 240362.** *COFFEA ARABICA* L. **Arabian coffee.**
- 240360.** No. 1003. 'B.A.10'. (Selected from P.I. 204744.)
- 240361.** No. 1282. 'Dilla. Algehe'. (Selected from P.I. 205107.)
- 240362.** No. 1101. 'Agaro'. (Selected from P.I. 205408.)

240363 to 240378.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 29, 1957.

- 240363.** *SACCHARUM EDULE* Hassk. Poaceae. **Sugarcane.**
Col. No. 179. 'Liling'. Northern Japan; collected at Biak, May 15, 1957.
- 240364 to 240376.** *SACCHARUM OFFICINARUM* L. **Sugarcane.**
- 240364 to 240375.** From Enarotali, Wissel Lakes, May 16, 1957. Elevation 5,700 feet.
- 240364.** Col. No. 180. 'Kigite'.
- 240365.** Col. No. 181. 'Mutii'.
- 240366.** Col. No. 182. 'Mus'.
- 240367.** Col. No. 183. 'Tua-Tua'.
- 240368.** Col. No. 184. 'Ajai'.
- 240369.** Col. No. 185. 'Teto'.
- 240370.** Col. No. 186. 'Pogie'.
- 240371.** Col. No. 187. 'Deke-Deke'.
- 240372.** Col. No. 188. 'Kugube'.

240363 to 240378—Continued**240364 to 240376—Continued****240364 to 240375—Continued****240373.** Col. No. 189. 'Tukiai'.**240374.** Col. No. 190. 'Tukiai'.**240375.** Col. No. 191. 'Gobel'.**240376.** Col. No. 192. 'Kumati'. Keneapa, Wissel Lakes, May 16, 1957.**240377 and 240378.** *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.****240377.** Col. No. 193. 'Parimo'. Keneapa, Wissel Lakes. Elevation 5,700 feet. May 16, 1957.**240378.** Col. No. 194. 'Parimo'. Ara River, Wissel Lakes. May 17, 1957.**240379 to 240382.**

From Sicily. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 29, 1957.

240379. *CHILIANTHUS ARBOREUS* (L.f.) Benth. Loganiaceae.

Col. No. 3979. Botanical Garden, Palermo. May 18, 1957. Large, much-branched shrub to 20 feet high; leaves 0.75 inch long, 0.5 inch wide; flowers yellowish-white, fragrant, small, numerous, in panicles to 6 inches across.

240380. *RONDELETIA AMOENA* (Planch.) Hemsl. Rubiaceae.

Col. No. 3978. Botanical Garden, Palermo. May 18, 1957. Large evergreen shrub, much-branched; flowers pink and white, fragrant.

240381. *SCABIOSA CRETICA* L. Dipsacaceae.

Col. No. 3987. Borghetto near Partinico, Palermo. May 19, 1957. Much-branched shrub, to 3 feet high; flowers blue.

240382. *SEDUM STOLONIFERUM* S. T. Gmel. Crassulaceae. **Stoncrop.**

Col. No. 3988. Greek Amphitheater at Segesta, near Calatalfini. May 19, 1957. Tufted succulent; perennial.

240383 to 240395. *CHRYSANTHEMUM* (hybrids). Asteraceae.

From Japan. Plants presented by Institute for Breeding Research, Setagaya, Tokyo. Received May 29, 1957.

240383. Ashigaranishiki (M). **240390.** No. 2.**240384.** Hayabusa (M). **240391.** No. 3.**240385.** Kinbue (M). **240392.** No. 4.**240386.** Omokage (M1). **240393.** No. 5.**240387.** Shinkintoki (MS). **240394.** No. 6.**240388.** Zuike (M). **240395.** No. 7.**240389.** No. 1.**240396 to 240400.** *SACCHARUM ROBUSTUM* Brandes & Jesw. **Poaceae.**
Sugarcane.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 29, 1957.

240396. Col. No. 741. Kota Nica, Hollandia. May 3, 1957.**240397.** Col. No. 742. Kota Nica, Hollandia. May 3, 1957.**240398.** Col. No. 755. Jabau River, near Kota Nica, Hollandia. May 3, 1957.**240399.** Col. No. 763. Andai River, about 23 km. southwest of Manokwari. May 8, 1957. Common on exposed banks.**240400.** Col. No. 783. Parimo, mouth of Ara River, Wissel Lakes. May 17, 1957.

240401 to 240403. GOSSYPIUM (hybrids). Malvaceae. Cotton.

From France. Seeds presented by the Institut du Cotton et des Textiles Exotiques, Paris. Received May 29, 1957.

240401. 'Bam 21'.

240402. 'Soumbe A25B9'.

240403. 'Tik'.

240404 to 240406.

From Sicily. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 29, 1957.

240404. *EPHEDRA FRAGILIS* Desf. Gnetaceae. **Jointfir.**

Col. No. 3989. Sandy banks, coastal road at Cinisi, west of Palermo. May 19, 1957. Much-branched, erect shrub; stems naked, green, to 6 feet high.

240405. *FIGUS MAGNIFOLIA* F. Muell. Moraceae. **Fig.**

Col. No. 3980. Botanical Garden, Palermo. Evergreen tree to 40 feet high; leaves to 8 inches long and 5 inches wide.

240406. *HETEROMORPHA ARBORESCENS* Cham. & Schl. Apiaceae.

Col. No. 3984. Botanical Garden, Palermo. May 18, 1957. Much-branched shrub to 10 feet high.

240407. PHASEOLUS ANGULARIS (Willd.) W. F. Wight Fabaceae. Adsuki bean.

From Japan. Seeds presented by the Laboratory of Plant Breeding, Hyogo Agricultural College, Sasayama, Hyogo. Received May 31, 1957.

240408. PASPALUM ALMUM Chase Poaceae.

From Argentina. Seeds presented by the Division de Exploraciones e Introduccion de Plantas, Buenos Aires. Received May 31, 1957.

DEIP 16.282.

240409. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.

From Egypt. Seeds presented by the Plant Breeding Section, Giza, Orman. Received May 31, 1957.

Grown as a winter crop during October and November; harvested during April.

240410 to 240417.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 31, 1957.

240410. *ALYSICARPUS RUGOSUS* (Willd.) DC. Fabaceae.

No. 16671. Originally from Southern Rhodesia.

240411. *CROTALARIA BROWNEI* Bert. Fabaceae.

No. 13377. Originally from Ceylon.

240412. *CROTALARIA GRAHAMIANA* Wight & Arn.

No. 13378. Originally from Ceylon.

240413. *CROTALARIA SERICEA* Retz.

Originally from Brisbane Station, Queensland, Australia.

240414. *TRIFOLIUM* sp. Fabaceae.

No. 18333. Originally from Uruguay.

240415. *VICIA SATIVA* L. Fabaceae. **Common vetch.**

No. 10380. Originally from Bulgaria.

240410 to 240417—Continued

- 240416.** *VICIA OBSCURA* Vog. **Vetch.**
No. 18107. Originally from Brazil.
- 240417.** *VIGNA OBLONGIFOLIA* A. Rich. Fabaceae. **Cowpea.**
No. 17855. Originally from Kitale, Kenya.

240418 to 240428.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 31, 1957.

Collected May, 1957.

- 240418.** *CITRUS AURANTIUM* L. Rutaceae. **Sour orange.**
Col. No. 771. Wosi Experiment Station, Manokwari.
- 240419 and 240420.** *CITRUS LIMON* (L.) Burm. f. **Lemon.**
240419. Col. No. 759. Near Manokwari. French type, fruit about 3 inches in diameter.
240420. Col. No. 770. Wosi Experiment Station, Manokwari. California type.
- 240421 and 240422.** *CITRUS NOBILIS* Lour. **King orange.**
240421. Col. No. 765. Wosi Experiment Station, Manokwari.
240422. Col. No. 767. Wosi Experiment Station, Manokwari.
- 240423 and 240424.** *CITRUS PARADISI* Macf. **Grapefruit.**
240423. Col. No. 761. Near Manokwari. Fruit large, deep pink; Indonesian type.
240424. Col. No. 768. 'Djeroek Bali'. Wosi Experiment Station, Manokwari.

240425. *CITRUS* sp.

Col. No. 758. 'Soeangi'. Near Manokwari. Native orange, very sour, 4 to 5 inches in diameter.

240426. *CITRUS* sp.

Col. No. 760. Near Manokwari. Fruit tangerine-shaped, to 2 inches in diameter, very sour.

240427. *CITRUS* sp.

Col. No. 766. Wosi Experiment Station, Manokwari.

240428. *CITRUS* (hybrid).

Col. No. 769. Wosi Experiment Station, Manokwari. (A Japanese hybrid of *C. nobilis*.)

240429 to 249433.

From Bolivia. Seeds presented by E. G. Beinhart, Santa Cruz. Received May 31, 1957.

- 240429 to 240431.** *NICOTIANA TABACUM* L. Solanaceae **Common tobacco.**
Grown at Estacion Experimental Saavedra, Santa Cruz.
240429. 'Criolla de las Sierras'.
240430. 'Criolla Misionero'.
240431. 'Criolla Saltena Amarelinho'.
- 240432.** *NICOTIANA TOMENTOSA* Ruiz & Pav. **Giant tobacco.**
Collected at Chojlla. Elevation 750 feet.
- 240433.** *NICOTIANA WIGANDIODES* C. Koch & Fint. **Tobacco.**
Collected at Des Pango. Elevation 790 feet.

240434 to 240442.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 3, 1957.

Botanical Garden, University of Florence. May 27, 1957.

240434. ALMEIDA RUBRA St. Hil. Rutaceae.

Col. No. 4009. Evergreen shrub to 12 feet high; leaves oblong acuminate; flowers pink. (Cuttings.)

240435. CAPPARIS CYNOPHALOPHORA L. Capparidaceae.

Col. No. 4012. Small evergreen shrub; leaves to 5 inches long, shiny above, silvery beneath. (Cuttings.)

240436. CUNONIA CAPENSIS L. Cuoniaceae.

Col. No. 4008. Evergreen tree to 20 feet high; leaves pinnately divided, shiny above. (Cuttings.)

240437. EUGENIA MAGNIFICA Spring ex Mart. Myrtaceae.

Col. No. 4006. Evergreen tree; leaves to 10 inches long, bullate, shiny above. (Cuttings.)

240438. JABOROSA INTEGRIFOLIA Lam. Solanaceae.

Col. No. 4005. Rhizomatous perennial; leaves to 8 inches long, basal; flowers white, long-tubular to 3 inches long. (Rhizomes.)

240439. MACKAYA BELLA Harv. Acanthaceae.

Col. No. 4010. Evergreen shrub to 10 feet high; leaves lustrous; flowers tubular, lavender. (Cuttings.)

240440. OCOTEA FOETENS (Ait.) Benth. & Hook. Lauraceae.

Col. No. 4004. Evergreen tree to 50 feet high, spreading. (Cuttings.)

240441. SIDEROXYLON INERME L. Sapotaceae.

Col. No. 4011. Evergreen tree to 25 feet high; leaves obovate, to 5 inches long. (Cuttings.)

240442. THEOPHRASTA IMPERIALIS Lind. Theophrastaceae.

Col. No. 4007. Evergreen tree to 30 feet high; leaves thick, leathery, spine-tipped, to 14 inches long. (Cuttings.)

240443 to 240485.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Organization, Canberra City. Received June 3, 1957.

Localities given are Australian sources.

240443 to 240445. PHALARIS AQUATICA L. Poaceae. **Large canarygrass.**

240443. C.P.I. 9785. Sacavem, Portugal.

240444. C.P.I. 10658. Turkey.

240445. C.P.I. 12587. Portugal.

240446 to 240476. PHALARIS COERULESCENS Desf. **Canarygrass.**

240446. C.P.I. 1146. Oregon.

240447. C.P.I. 14070. Collected by J. F. Miles and C. M. Donald, Italy.

240448 to 240450. Collected by J. F. Miles.

240448. C.P.I. 14146. Greece.

240449. C.P.I. 14415. Portugal.

240450. C.P.I. 14416. Portugal.

240451. C.P.I. 14691. Collected by J. F. Miles and C. M. Donald, Morocco.

240452. C.P.I. 14692. Collected by J. F. Miles and C. M. Donald, Morocco.

240443 to 240485—Continued**249446 to 240476—Continued**

240453 to 240476. Collected by Neal-Smith.

- 240453.** C.P.I. 19158. Between El Biar and Bouzarrea, Algeria.
240454. C.P.I. 19160. Between Rovigo and Bouinan, Mitidja, Algeria.
240455. C.P.I. 19162. Between Bivtouta and Boufarik, Algeria.
240456. C.P.I. 19166. Near Montgolfier, Relizane-Tiavet Road, Algeria.
240457. C.P.I. 19168. Ainel Hadjar, by Experimental Farm, Algeria.
240458. C.P.I. 19169. Ainel Hadjar, by Experimental Farm, Algeria.
240459. C.P.I. 19170. North of Medea, Algeria.
240460. C.P.I. 19171. North of Medea, Algeria.
240461. C.P.I. 19173. South of Berrouaghia, Algeria.
240462. C.P.I. 19174. South of Berrouaghia, Algeria.
240463. C.P.I. 19175. Beyond Oved Zenati, Algeria.
240464. C.P.I. 19176. South of Bone on road to Constantine, Algeria.
240465. C.P.I. 19177. Southwest of Jemmapes towards Constantine, Algeria.
240466. C.P.I. 19178. Thiers, Algeria.
240467. C.P.I. 19182. Villa Franca de Xira, Portugal.
240468. C.P.I. 19184. East of Sao Bartolomew, east of Santiago.
240469. C.P.I. 19185. West of Ferreira do Alentejo, Portugal.
240470. C.P.I. 19186. North of Castro Verde, Portugal.
240471. C.P.I. 19187. Aerodrome Beja and north of Beja, road to Evora, Portugal.
240472. C.P.I. 19188. Sao Mancos, 15 kms. from Evova, Portugal.
240473. C.P.I. 19189. Four km. northwest of Campo Maio, towards Arronches, Portugal.
240474. C.P.I. 19191. Sao Martinno do Porto, Portugal.
240475. C.P.I. 19192. Beja, Tunisia.
240476. C.P.I. 19193. Northwest of Erythrae, Greece.

240477. PHALARIS sp.

C.P.I. 14422. Collected by J. F. Miles, Portugal.

240478 to 240485. POA CAESPITOSA Forst. Poaceae.**Bluegrass.**

240478. C.P.I. 349. Uria Crossing.

240479 to 240485. Grown at the Experimental Station in Cooma.

240479. C.P.I. 486. Collected at Happy Jack's River. Elevation 1.3 km. Leaves less than 2 mm. broad, folded and laterally compressed, very stiff, rigid; not strongly rhizomatous; forms large tussocks in swamps, peaty soil.

240480. C.P.I. 487. Collected at Doner's Gap. Soil well-drained, peaty, usually in open grassland. Elevation 1.2 km. Plant forms flat cushion-like tussocks to 5 cm. in diameter.

240481. C.P.I. 488. Collected at Island Bend Transmission Line. Elevation 1.1 km. Disturbed woodland or forest areas. Leaves less than 2 mm. broad, laterally compressed, conspicuous hairs in rows; rhizomatous within the small tussocks.

240482. C.P.I. 497. Collected at Island Bend Transmission Line. Elevation 1.2 km. Large tussocks in moist areas; leaves to 5 mm. broad, bright green; not strongly rhizomatous.

240443 to 240485—Continued**240478 to 240485—Continued****240479 to 240485—Continued**

240483. C.P.I. 541. Snowy Mountains, New South Wales, forest with moist soil. Elevation 1.2 km. Leaves to 5 mm. broad, bluish-green, base leaves purple; strongly rhizomatous.

240484. C.P.I. 590. Collected at Snowy River, Island Bend; poor woodland soils. Elevation sea level to 1.3 km. Leaves less than 2 mm. broad, sometimes filiform, always scabrous, small projections irregularly arranged; small tussocks.

240485. C.P.I. 593. Collected in alluvial soil forest at Bridle Creek, near Cooma. Plant rhizomatous, in dense tussocks; leaves scabrous, definite blue color.

240486 to 240493.

From Japan. Plants presented by the Shinjuku Imperial Gardens, Shinjuku-ku, Tokyo. Received June 3, 1957.

240486. *ADA AURANTIACA* Lindl. Orchidaceae.

240487. *ARPOPHYLLUM GIGANTEA* Hartw. Orchidaceae.

240488. *BRASSAVOLA FRAGRANS* Rodrìg. Orchidaceae.

240489. *COELOGYNE CRISTATA* Lindl. Orchidaceae.
'Alba'.

240490. *COELIA MACRASTACHYA* Lindl. Orchidaceae.

240491. *EPIDENDRUM PRISMATOCARPUM* Reichb. f. Orchidaceae.

240492. *ONCIDIUM ORNITHORHYNCHUM* H.B.K. Orchidaceae.

240493. *SCHOMBURGKIA UNDULATA* Lindl. Orchidaceae.

240494. *PIPER METHYSTICUM* Forst. Piperaceae. **Kava pepper.**

From Hawaii. Cuttings presented by John Marin, Hilo. Received June 3, 1957.

240495 and 240496.

From Mexico. Plants and roots collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 3, 1957.

240495. *DIOON* sp. Cycadaceae.

Col. No. 16596. 'Penh'. Sierra de Mazatan, Sonora. May 12, 1957. Elevation 2,500 feet. Single colony around large rock; many rosettes.

240496. *IPOMOEA* sp. Convolvulaceae.

Col. No. 16632. Sierra Murrieta above Toribusi, 15 miles west of Bancanora; Sonora. May 17, 1957. Elevation 5,000 feet. Running ground vine, flowers white and lavender.

240497 to 240510.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957. Collected May 28 and 29, 1957.

Cuttings unless otherwise indicated.

240497. *ANTHURIUM RADICANS* C. Koch & A. Haage Araceae.

Col. No. 4032. Greenhouse, Instituto Tecnico Agrario Statale, Florence. Plant dwarf, creeping, rhizomatous, perennial; leaves deep green, lustrous, cordate, acuminate, to 3 inches long. Excellent for hanging baskets.

240497 to 240510—Continued

240498. *PIPER MAGNIFICUM* Trelease Piperaceae. **Pepper.**

Col. No. 4035. Botanical Garden, University of Florence. Herbaceous perennial; stems prominently ribbed, reddish, square; leaves lustrous green above, red beneath. (Plants.)

240499. *DOMBEYA WALLICHII* (Lindl.) Benth. & Hook.f. Sterculiaceae.

Col. No. 4022. Deciduous tree to 30 feet high; leaves ovate, cordate, to 12 inches wide; flowers scarlet, in globose heads, on a pendulous peduncle. Ornamental for subtropical climate or large greenhouse. (Plants.)

240500. *CALADIUM* × *HORTULANUM* Birdsey Araceae.

Col. No. 4034. 'Irene Alpe'. Greenhouse, Istituto Tecnico Agrario Statale, Florence. Plant, low-growing form, to 12 inches high; leaves blotched-red in center, mottled-white and with green margins. (Plants.)

240501 to 240510. Botanical Garden, Greenhouse, University of Florence.

240501. *COCCOLOBA FAGIFOLIA* Jacq. Polygonaceae.

Col. No. 4024. Large evergreen shrub; new leaves green above, reddish beneath.

240502. *PYRROSIA LINGUA* (Thunb.) Farwell. Polypodiaceae.

Col. No. 4036. 'Corymbiferus'. Stone house. Rhizomatous fern; leaves single, leathery, crested tip. (Plants.)

240503. *ELAEODENDRON GLAUCUM* Pers. Celastraceae.

Col. No. 4029. Evergreen tree to 20 feet high; leaves lustrous.

240504. *FICUS AURICULATA* Lour. Moraceae. **Fig.**

Col. No. 4023. Deciduous tree to 30 feet high; leaves shiny above, pubescent below.

240505. *FICUS VOGELII* Miq. **Fig.**

Col. No. 4027. Evergreen tree to 30 feet high; leaves lustrous above, white tomentose beneath.

240506. *FUCHSIA INTEGRIFOLIA* Cambess. Onagraceae.

Col. No. 4026. Evergreen shrub to 6 feet high, vigorous.

240507. *MICROMERIA OBOVATA* Benth. Menthaceae.

Col. No. 4038. Subshrub; leaves to 2 inches long, aromatic.

240508. *MYRIOCARPA LONGIPES* Liebm. Urticaceae.

Col. No. 4019. Evergreen shrub; leaves elliptic-oblong, veins below with calcium oxalate crystals; flowers in racemes, inconspicuous.

240509. *MYRSINE CAPITELLATA* Wall. Myrsinaceae.

Col. No. 4030. Evergreen tree; leaves leathery, obovate.

240510. *PANDANUS GRAMINIFOLIUS* Kurz. Pandanaceae. **Screwpine.**

Col. No. 4039. Much-branched, evergreen shrub; leaves 1 inch wide, long attenuate, margins saw-toothed.

240511. *YUCCA PENINSULARIS* McKelvey Liliaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957.

Col. No. 11686. Sierra San Miguel, Baja California.

240512. *YUCCA PERICULOSA* Baker Liliaceae.

From Mexico. Seeds collected by E. C. Ogden and C. L. Gilly near Tehuacan, Puebla. Received June 4, 1957.

No. 5168.

240513 to 240520.

From India. Seeds presented by the Division of Botany and Mycology, Indian Agricultural Research Institute, New Delhi. Received June 3, 1957.

240513 to 240519. *PISUM SATIVUM* L. Fabaceae. **Garden pea.**

240513. 'Asauji I.C. 3024'. **240517.** 'Table'—19 I.C. 2209.

240514. 'Darantia Kaip I.C. 1444'. **240518.** N.P. 29.

240515. 'Kanawari I.C. 2210'. **240519.** T163—I.C. 775.

240516. 'Lucknow Boniya I.C. 1405'.

240520. *SMITHIA BIGEMINA* Dalz. Fabaceae.

240521 and 240522.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 7, 1957.

240521. *SACCHARUM ROBUSTUM* Brandes & Jesw. Poaceae. **Sugarcane.**

Col. No. 787. Tami River, near Hollandia. May 23, 1957.

240522. *SACCHARUM SPONTANEUM* L. **Sugarcane.**

Col. No. 786. Biak. May 19, 1957.

240523. *RHYNCHOSIA PHASEOLOIDES* (Sw.) DC. Fabaceae.

From the British West Indies. Seeds collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957.

From Grand Cayman Island.

240524 to 240531.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957. Collected May 28, 1957.

Cuttings unless otherwise indicated.

240524. *AESCLUSUS HIPPOCASTANUM* L. Aesculaceae.

Common horsechestnut.

Col. No. 4017. 'Laciniata'. Botanical Garden, University of Florence. Deciduous tree to 40 feet high; foliage fernlike, leaflets narrow, deeply incised.

240525. *ALLIUM NIGRUM* L. Liliaceae.

Col. No. 4013. Giardini di Marignolle, Florence. Ornamental onion; leaves dark green, 6 inches long, 2 inches wide, recurved; flowers umbellate, white, terminal on scapes to 30 inches high. (Bulbs.)

240526. *MYOPORUM LAETUM* Forst. Myoporaceae.

Col. No. 4031. Botanical Garden, University of Florence. Small tree; leaves light green, pellucid dots.

240527. *BEGONIA REX* Putz. Begoniaceae.

Col. No. 4014. Giardini di Marignolle, Florence. Leaves blackish-red, slightly mottled with a metallic sheen. (Plant.)

240528. *BUXUS SEMPERVIRENS* L. Buxaceae.

Common box.

Col. No. 4016. 'Rosmarinifolia'. Botanical Garden, University of Florence. Evergreen shrub; leaves rosemarylike, small, narrowly linear.

240529. *COTONEASTER SALICIFOLIA* Franch. Malaceae.

Col. No. 4015. 'Prostrata'. Giardini di Marignolle, Florence. Semievergreen prostrate shrub; leaves lanceolate, 1 inch long, lustrous, white-felted below; berries bright red.

240524 to 240531—Continued**240530.** *CYPERUS ALTERNIFOLIUS* L. Cyperaceae.

Col. No. 4020. 'Variegatus'. Botanical Garden, University of Florence. Leaves and culms striped white; variegation appears when potbound.

240531. *PANDANUS HUMILIS* Rumph. Pandanaceae. **Screwpine.**

Col. No. 4018. Botanical Garden, University of Florence. Much-branched, small evergreen tree; leaves mostly at top of stems; fruits long, pedunculate.

240532 and 240533. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae.
Watermelon.

From Iran. Seeds presented by the American Presbyterian Mission, Hamadan. Received June 5, 1957.

Grown in the Hamadan Area.

240532. Seeds black. Melon egg-shaped, striped; meat pink.**240533.** Seeds brown.**240534 to 240541.**

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 5, 1957.

Botanical Garden, University of Florence. May 29 to 31, 1957.

240534. *SEVERINIA BUXIFOLIA* (Poir.) Ten. Rutaceae.

Col. No. 4040. Small evergreen, spiny tree; leaves boxwoodlike. (Cuttings).

240535. *PENTARHAPHIA CRANIOLARIA* (Mart.) Decne. Gesneriaceae.

Col. No. 4045. Shrub to 4 feet high; flowers greenish-yellow, black dotted. (Cuttings.)

240536. *CYANOTIS KEWENSIS* C. B. Clarke Commelinaceae.

Col. No. 4041. Creeping perennial; branches pendulous, to 10 inches long; leaves to 2 inches long, hairy, green above, red beneath; flowers rose-purple, filaments bearded with blue hairs. Ornamental species. (Cuttings.)

240537. *DIEFFENBACHIA PICTA* var. *BARAQUINIANA* (Verschf. & Lem.) Engl. Araceae.

Col. No. 4033. Leaves green, occasionally mottled-white, petioles and mid-veins pure white. (Plant.)

240538. *CHAMAERANTHEMUM BEYRICHI* Hook. Acanthaceae.

Col. No. 4037. Rhizomatous, creeping perennial; leaves mottled; veins light colored. (Cuttings.)

240539. *CITRUS AURANTIUM* L. Rutaceae. **Sour orange.**

Col. No. 4043. 'Myrtifolia'. Large evergreen shrub; leaves long, closely beset, glossy green above. (Cuttings.)

240540. *SCIADOPHYLLUM* sp. Araliaceae.

Col. No. 4042. Small evergreen tree; leaves digitately compound, lustrous above. (Cuttings.)

240541. *STRANVAESIA NUSSIA* (Buch.-Ham.) Dene. Malaceae.

Col. No. 4044. Small evergreen tree.

240542 to 240591.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 5, 1957.

Localities given are Australian sources.

240542 to 240584. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.****240542.** C.P.I. 10496. Type No. 3. Argentina.

240542 to 240591—Continued**240542 to 240584—Continued**

240543. C.P.I. 10497. Type No. 4. Argentina.
240544. C.P.I. 10498. Type No. 6. Argentina.
240545. C.P.I. 10506. Type No. 7. Argentina.
240546. C.P.I. 10507. Type No. 8. Argentina.
240547. C.P.I. 10508. Type No. 10. Argentina.
240548. C.P.I. 10509. Type No. 11. Argentina.
240549. C.P.I. 11010. Cuba.
240550. C.P.I. 11379. West Africa.
240551. C.P.I. 11996. 'Mani Blanco'. U.S.A. ex Argentina.
240552. C.P.I. 13010. 'Mani Indio'. U.S.A. ex Uruguay.
240553. C.P.I. 12011. 'Strain 6608'. U.S.A. ex Argentina.
240554. C.P.I. 12027. 47 G 114. South Africa.
240555. C.P.I. 12030. 'Barberton'. South Africa.
240556. C.P.I. 12031. 43 G 44. South Africa.
240557. C.P.I. 12032. 43 G 909. South Africa.
240558. C.P.I. 12035. 47 G 19. South Africa.
240559. C.P.I. 12036. 44 G 66. South Africa.
240560. C.P.I. 12154. 'Natal Common'. South Africa.
240561. C.P.I. 12155. 'Coriante'. South Africa.
240562. C.P.I. 12156. 'Porto Alegre'. South Africa.
240563. C.P.I. 13547. 'A65'. Belgian Congo.
240564. C.P.I. 13775. 'A.H. 6481'. South India.
240565. C.P.I. 13776. 'TMV₁'. South India.
240566. C.P.I. 13777. 'TMV₂'. South India.
240567. C.P.I. 13778. 'TMV₃'. South India.
240568. C.P.I. 14577. 'Kopergaon-3'. India.
240569. C.P.I. 14578. 'Spanish 5'. India.
240570. C.P.I. 14579. 'Spanish Improved'. India.
240571. C.P.I. 16161. 'Improved groundnut'. Sierra Leone.
240572. C.P.I. 16163. 'Maseni'. Sierra Leone.
240573. C.P.I. 16856. 'Kono'. Sierra Leone.
240574. C.P.I. 16857. 'Local'. Sierra Leone.
240575. C.P.I. 17023. 'Tamale'. Gold Coast.
240576. C.P.I. 17024. 'Kusasi'. Gold Coast.
240577. C.P.I. 17025. 'Selection 21'. Gold Coast.
240578. C.P.I. 17068. 'Natal Common'. Nigeria.
240579. C.P.I. 17169. 'Toro'. Nigeria.
240580. C.P.I. 17170. 'K38'. Nigeria.
240581. C.P.I. 17176. 'M.P.A'. Nigeria.
240582. Q104. 'Red Spanish'. Australia.
240583. Q105. 'Virginia Bunch'. Australia.
240584. Local. 'Virginia Bunch'. Australia.

240542 to 240591—Continued

- 240585.** *CALLISTEMON RUGULOSUS* DC. Myrtaceae. **Bottlebrush.**
Col. No. C549. Lower Alligator Gorge.
- 240586.** *CALLISTEMON TERETIFOLIUS* F. Muell. **Bottlebrush.**
No. C542. West of Gladstone.
- 240587.** *EUCALYPTUS NIPHOPHILA* Maiden & Blakely Myrtaceae. **Gum.**
No. C395. Mount Little Cinini.
- 240588.** *HAKEA LEUCOPTERA* R. Br. Proteaceae.
No. C633. Northern Territory, Australia.
- 240589.** *HIBISCUS SABDARIFFA* L. Malvaceae. **Roselle.**
No. 15482. Sudan.
- 240590.** *PELARGONIUM AUSTRALE* Jacq. Geraniaceae.
No. W396. Kings Park, Australia.
- 240591.** *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
No. 9184. India.
- 240592.** *NICOTIANA GLAUCA* R. Grah. Solanaceae. **Tree tobacco.**
From Peru. Seeds collected by Earl Smith, Tacna. Received June 5, 1957.
Collected in Nov., 1956.
- 240593.** *ANNONA CORIACEA* Mart. Annonaceae.
From Brazil. Seeds presented by the Horto Florestal de Paraopeba, Paraopeba,
Minas Gerais. Received June 5, 1957. No. 3370.
- 240594 to 240596.**
From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant
Introduction Section, Crops Research Division, Beltsville, Md. Received
June 5, 1957.
From the Botanical Garden, University of Florence. May 28, 1957.
- 240594.** *COCCOLOBA EXCORIATA* L. Polygonaceae.
Col. No. 4028. Small tree; leaves large, obovate.
- 240595.** *PTEROSPERMUM SUBERIFOLIUM* Lam. Sterculiaceae.
Col. No. 4025. Tomentose, rusty, evergreen tree; leaves sinuately cut.
- 240596.** *TOURNEFORTIA LAURIFOLIA* Vent. Boraginaceae.
Col. No. 4021. Vigorous evergreen climber; leaves lustrous above.
- 240597 to 240608.**
From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner,
agricultural explorers, Plant Introduction Section, Crops Research Division,
Beltsville, Md. Received June 6, 1957.
- 240597.** *SACCHARUM EDULE* Hassk. Poaceae. **Sugarcane.**
Col. No. 195. 'Rapatu'. Moro River, Merauke. May 21, 1957.
- 240598 to 240606.** *SACCHARUM OFFICINARUM* L. **Sugarcane.**
240598 to 240602. From Merauke. May 21, 1957.
- 240598.** Col. No. 196. 'Mgur Jaba'.
- 240599.** Col. No. 197. 'Suba Jaba'.
- 240600.** Col. No. 198. 'Suba Papes'.
- 240601.** Col. No. 199. 'Wahoek Jade'.
- 240602.** Col. No. 200. 'Kasa Bod'.

240597 to 240608—Continued**240598 to 240606—Continued**

240603 to 240606. From Hollandia. May 24, 1957.

240603. Col. No. 203. **240605.** Col. No. 205.

240604. Col. No. 204. **240606.** Col. No. 206.

240607 and 240608. SACCHARUM ROBUSTUM Brandes & Jesw. **Sugarcane.**

240607. Col. No. 201. Tami River, near Hollandia. May 23, 1957.

240608. Col. No. 202. River bottom, Hollandia. May 24, 1957.

240609. DICHANTHIUM ARISTATUM (Poir) C. E. Hubb. Poaceae.
Angleton grass.

From the Philippine Islands. Rootstocks presented by the Bureau of Plant Industry, Los Banos, Laguna. Received June 5, 1957.

'Alabang X'.

240610. DODONAEA VISCOSA (L.) Jacq. Sapindaceae.
Clammy hophbush.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 5, 1957.

Col. No. 16664. Sierra west of Moctezuma, Sonora. May 22, 1957.

Elevation 3,500 feet. Slender shrub to 7 feet high; good for ornamental hedge.

240611 to 240613.

From Mexico. Seeds collected by Bernice G. Schubert, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957.

240611. DIOSCOREA sp. Dioscoreaceae.

Chiapas.

240612. IPOMOEA sp. Convolvulaceae.

Col. No. 1511. Northeast Tapachula. Mar. 24, 1957.

240613. SOLANUM sp. Solanaceae.

Col. No. 1532. (No field note.)

240614 to 240623.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 6, 1957.

From the Botanical Garden, University of Pisa, Pisa.

240614. ANTHURIUM SCANDENS Engl. Araceae.

Col. No. 4050. Erect perennial; leaves oblong, to 4 inches long; flowers inconspicuous. (Cuttings.)

240615. ARUNDINARIA sp. Poaceae.

Col. No. 4061. 'Variegata'. Rank-growing bamboo to 8 feet high; foliage yellowish-variegated. (Plants.)

240616. BEGONIA ERYTHROPHYLLA Neuman Begoniaceae.

Col. No. 4053. Rhizomatous perennial; leaves kidney-shaped, thick, lustrous green above, reddish beneath. (Rhizomes.)

240617. ERYNGIUM PANDANIFOLIUM Cham. & Schlecht. Apiaceae.

Col. No. 4048. Rank perennial to 15 feet high; leaves strap-shaped, to 6 feet long, spine-tipped; flowers purplish, in small round heads. (Plant.)

240614 to 240623—Continued**240618.** *EUONYMUS PENDULUS* Wall. Celastraceae.

Col. No. 4051. Evergreen tree to 50 feet high; leaves to 4 inches long, abruptly pointed, dark green, finely serrate; flowers greenish or yellowish.

(Cuttings.)

240619. *FICUS PRINCEPS* Kunth & Bouche Moraceae.**Fig.**

Col. No. 4052. Small-leaved type, probably deciduous.

240620. *RHYTIDOPHYLLUM TOMENTOSUM* (L.) Mart. Gesneriaceae.

Col. No. 4047. Shrubby plant to 5 feet high; leaves to 9 inches long; flowers greenish-yellow.

240621. *PEPEROMIA PERESKIAEFOLIA* H.B.K. Piperaceae.

Col. No. 4054. Sprawling, procumbent, square-stemmed perennial; leaves rhombic, whorled; stems red, veins prominent. (Cuttings.)

240622. *PEPEROMIA VELUTINA* Linden & Andre.

Col. No. 4055. Sprawly to semi-erect perennial; stems reddish; leaves dark green, velvety above, reddish beneath. (Cuttings.)

240623. *PILEA PUBESCENS* Lieb. Urticaceae.

Col. No. 4049. Perennial herb to 6 inches high; leaves rugose, shiny green above, young growth reddish. (Cuttings.)

240624. *AMORPHOPHALLUS TITANUM* Becc. Aiaceae.

From Indonesia. Corms presented by F. J. Nainggolan, Taman Hewan, Kota Besar, Pematang Siantar. Received June 6, 1957.

240625 to 240630. *ALEURITES MONTANA* (Luro.) Wilson Euphorbiaceae. **Mu-oil tree.**

From Nyasaland. Seeds presented by the Bvumbwe Tung and Agricultural Experiment Station, Limbe. Received June 6, 1957.

240625. A 1A.**240628.** E 464.**240626.** E 49.**240629.** E 484.**240627.** E 424.**240630.** V 17.**240631.** *SACCHARUM* sp. Poaceae.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 6, 1957.

Col. No. 207. Madang.

240632. *LOLIUM MULTIFLORUM* Lam. Poaceae. **Italian ryegrass.**

From France. Seeds presented by Loiseau Freres, Le Mans (Sarthe). Received June 6, 1957.

A local selection.

240633 to 240640. *ORYZA SATIVA* L. Poaceae. **Rice.**

From India. Seeds presented by the Central Rice Research Institute, Cuttack, Orissa. Received June 10, 1957.

240633. No. Ch 2.**240637.** No. GS 481.**240634.** No. Ch 45.**240638.** No. GS 529.**240635.** No. Ch 47.**240639.** No. GS 779.**240636.** No. GS 413.**240640.** No. GS 784.

240641 and 240642. *SECALE CEREALE* L. Poaceae. **Rye.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received June 10, 1957.

240641. Sample A. From the Pesto Agropecuario, Ararangua, State of Santa Catarina.

240642. Sample B. From Estacao Experimental de Horticultura, Domingos Petrolini, State of Rio Grande do Sul. High yield in loose, sandy soil in southern region.

240643 and 240644. *CORCHORUS CAPSULARIS* L. Tiliaceae. **Jute.**

From Brazil. Seeds presented by the Instituto Agronomico do Norte, Belem, Para. Received June 10, 1957.

240643. 'Lisa'.

240644. 'Salimoes'.

240645 to 240648.

From Sicily. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 10, 1957.

From the Botanical Garden, Palermo. May 18, 1957.

240645. *ELAEODENDRON ILICIFOLIA* Tenore Celastraceae.

Col. No. 3976. Evergreen tree to 20 feet high; leaves hollylike.

240646. *ELAEODENDRON AUSTRALE* Vent.

False-olive.

Col. No. 3975. Tree to 30 feet high.

240647. *SAPINDUS MARGINATUS* Willd. Sapindaceae.

Soapberry.

Col. No. 3974. Tree to 40 feet high.

240648. *THUNBERGIA ELEGANS* Borzi Acanthaceae.

Col. No. 3973.

240649 to 240653. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Venezuela. Seeds presented by Manuel Rivero, Apisa Farms, Acarigua. Received June 10, 1957.

240649. AP 433.

240652. AP 444.

240650. AP 430.

240653. AP 447.

240651. AP 433.

240654. *RHODODENDRON DAURICUM* var. *MUCRONULATUM* (Turcz.) Maxim. Ericaceae.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered July 24, 1957.

'Cornell Pink'. From the National Arboretum, Washington, D.C.

240655 to 240657. *SORGHUM VULGARE* Pers. Poaceae.

From Libya. Seeds collected by the United States Operations Mission, Tripoli. Received June 10, 1957.

Baidoa Experiment Station, Somalia.

240655. 'Durra Aburas'.

240656. 'Durra Bianca'. (White.)

240657. 'Durra Rossa'. (Red.)

240658 and 240659.

From Italy. Seeds presented by the Plant Production Branch, Food and Agriculture Organization, Rome. Received June 4, 1957.

Locations given are F.A.O. sources.

240658. *HEDYSARUM FLEXUOSUM* L. Fabaceae. **Sweetvetch.**

No. 2591. Morocco.

240659. *HEDYSARUM CORONARIUM* L. **Sulla sweetvetch.**

No. 2645. Sgaravatti, Italy.

240660. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**

From Canada. Seeds presented by Bodie Seeds, Ltd., Winnipeg, Manitoba. Received June 7, 1957.

'Spanners Allzweck'. Developed by Hermann Spanner, Straubling, Germany.

240661 to 240672. *GLYCINE MAX* (L.) Merr. Fabaceae. **Soybean.**

From the Philippines. Seeds presented by the Bureau of Plant Industry, Manila. Received June 11, 1957.

Grown at the Economic Gardens, Los Banos, Laguna.

240661. 'Acadian'. **240667.** 'Hybrid 2217'.

240662. 'Bilofield'. **240668.** 'Improved Pelican'.

240663. 'Bilomi #1'. **240669.** 'Mis 28 E.B.'.

240664. 'Bilomi #3'. **240670.** 'Mis 33 D 1X1'.

240665. 'Black Manchurian'. **240671.** 'Yellow Biloxi 37'.

240666. 'E. G. 1'. **240672.** 'Yellow Biloxi 12'.

240673 to 240676.

From Uruguay. Seeds presented by the Food and Agriculture Organization, United Nations Technical Adviser, Montevideo. Received June 11, 1957.

240673 and 240674. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

240673. 'Bravianna'. Melo, Cerro Largo.

240674. Common type. Cerro Largo.

240675 and 240676. *SECALE CEREALE* L. Poaceae. **Rye.**

240675. Centeno de "La Estanzuela." Colonia.

240676. Pico M.A.C. Originally from Argentina.

240677 to 240684.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 11, 1957.

Collected at the Botanical Garden, University of Padua. June 7, 1957.

240677. *ACANTHOPANAX HENRYI* (Oliver) Harms Araliaceae.

Col. No. 4064. Deciduous shrub to 10 feet high; leaflets to 5 inches long; fruits black, juicy, in spherical clusters.

240678. *BERNARDIA GRANDIFOLIA* Muel.-Arg. Euphorbiaceae.

Col. No. 4068. Spiny evergreen shrub.

240679. *CELASTRUS PYRACANTHA* L. Celastraceae.

Col. No. 4069. Spiny evergreen shrub; flowers white.

240680. *HYDRANGEA HETEROMALLA* D. Don Hydrangeaceae.

Col. No. 4063. Deciduous shrub to 10 feet high; leaves to 6 inches long; serrate; flowers white.

240677 to 240684—Continued**240681.** *MYRSINE TOMENTOSA* Presl Myrsinaceae.

Col. No. 4067. Large evergreen shrub; leaves tomentose beneath, bullate.

240682. *SCHEFFLERA DIGITATA* Forst. Araliaceae.

Col. No. 4065. Evergreen shrub; leaves digitately divided.

240683. *SCHEFFLERA HORSFIELDII* Harms

Col. No. 4062. Evergreen shrub; leaves digitately divided.

240684. *TETRANTHUS* sp. Asteraceae.

Col. No. 4066. Large evergreen shrub; leaves shiny green above, tomentose beneath.

240685. MALPIGHIA PUNICIFOLIA L. Malpighiaceae.

From Puerto Rico. Seeds presented by the Federal Experiment Station, Mayaguez. Received June 11, 1957.

240686 to 240690.

From Ceylon. Seeds presented by the Royal Botanic Gardens, Peradeniya, through E. A. Menninger, Stuart, Fla. Received June 11, 1957.

240686. *CORDIA MYXA* L. Boraginaceae.**Sebesten.****240687.** *DIPTEROCARPUS ALATUS* Roxb. Dipterocarpaceae.**240688.** *LAFOENSIA VANDELLIANA* Cham. & Schlecht. Lythraceae.**240689.** *MICHELIA NILAGIRICA* Zenker Magnoliaceae.**240690.** *OCHNA SQUARROSA* L. Ochnaceae.**240691 to 240695.**

From India. Seeds presented by the Forest Research Institute, Dehra Dun, through E. A. Menninger, Stuart, Fla. Received June 11, 1957.

Origin unknown.

240691. *DIPTEROCARPUS* sp. Dipterocarpaceae.**240692.** *EHRETIA ACUMINATA* R. Br. Boraginaceae.**240693.** *MILLETTIA PENDULA* Benth. Fabaceae.**240694.** *WENDLANDIA EXCERTA* DC. Rubiaceae.**240695.** *SESBANIA GRANDIFLORA* (L.) Poir. Fabaceae.**240696 and 240697.**

From the Philippines. Cuttings presented by the American Battle Monuments Commission, Fort William McKinley, Rizal. Received June 11, 1957.

240696. *MUSSAENDA PHILIPPICA* A. Rich. Rubiaceae.

'Dona Aurora'.

240697. *MUSSAENDA* (hybrid).'Dona Alicia'. (*M. philippica* × *M. eratropylla*).**240698. LOLIUM MULTIFLORUM** Lam. Poaceae. **Italian ryegrass.**

From France. Seeds presented by Loiseau Freres, Le Mams (Sarthe). Received June 12, 1957.

No. 2. Cultivated in the Department of Mayenne.

240699 to 240730.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 12, 1957.

240699 to 240730—Continued

240699. *ACACIA WILLARDIANA* Rose Mimosaceae.

Col. No. 16479. Rocky volcanic hill, Cojon del Diablo, north of Guaymas, Sonora. Apr. 28, 1957. Tree small, thin, graceful; bark whitish, peeling; wild ornamental.

240700. *LEUCAENA LANCEOLATA* S. Wats. Mimosaceae.

Col. No. 16514. In forest, Tepopa, Sierra Saguaribo, Sonora. February 1957. Wild virgate shrub; stems long, straight.

240701. *ACUAN* sp. Mimosaceae.

Col. No. 16561. Clay soil thicket along highway, near Bacum, Sonora. May 3, 1957. Slender shrublet to 1.8 meter high; apparently wild perennial.

240702. *ARTHROSTYLIIDIUM LONGIFOLIUM* (Fourn.) E. G. Camus Poaceae.

Col. No. 16537. Tepopa, Sierra Saguaribo, Sonora. February 1957. Elevation 1,055 meters. Wild, bamboo-like canes; used locally.

240703. *BIGNONIA* sp. Bignoniaceae.

Col. No. 16494. In canyon, Tepopa, Sierra Saguaribo, Sonora. February 1957. Tree wild.

240704. *CAESALPINIA PLATYLOBA* S. Wats. Caesalpinaceae.

Col. No. 16493. San Bernardo, Sonora; April 1957. Small tree or shrub; single trunk; wild.

240705. *CASSIA BIFLORA* L. Caesalpinaceae.

Senna.

Col. No. 16509. In forest, San Bernardo, Sonora. March 1957. Shrub wild, to 1.5 meter high; crown small, spreading.

240706. *CENCHRUS MYOSUROIDES* H.B.K. Poaceae.

Big sandbur.

Col. No. 16573. Rancho, Carrizal, southwest of Benjamin Hill, Chihuahua. May 5, 1957. Elevation 663 meters. Arroyo margin alluvium. Tall, tough, caney, wild; browsed by cattle.

240707. *CONZATTIA SERICEA* Standl. Mimosaceae.

Col. No. 16482. Tepopa, Sonora. February 1957. Tall tree; crown light, thin; drought deciduous; wild.

240708. *CORNUS DISCIFLORA* Moc. & Sesse Cornaceae.

Dogwood.

Col. No. 16547. Oak forest zone, Tepopa, Sierra Saguaribo, Sonora. February 1957. Wild, wide-spreading, ornamental tree; probably not cold hardy.

240709. *DALEA GRAYI* (Vail) L. O. Williams Fabaceae.

Col. No. 16491. Volcanic slopes, San Bernardo, Sonora. April 1957. Wild virgate perennial, about 2 meters high.

240710. *ACUAN* sp. Mimosaceae.

Col. No. 16549. Along arroya, Tepopa, Sierra Saguaribo, Sonora. February 1957. Large, wild, perennial herb; leaves large, brewed and used locally for rheumatism.

240711. *FICUS RADULINA* S. Wats. Moraceae.

Fig.

Col. No. 16507. Arroyos, San Bernardo, Sonora. February 1957. Very large, wild tree; fruits sweet, edible.

240712. *GOSSYPIUM THURBERI* Todaro Malvaceae.

Cotton.

Col. No. 16585. Arroyo alluvium, Sierra Tesota, near Rancho Palo Alto, Sonora. May 5, 1957. Slender wild plant to 2 meters high.

240713. *HAEMATOKYLUM BRASILETTO* Karst. Caesalpinaceae.

Logwood.

Col. No. 16490. In forest, San Bernardo, Sonora. April 1957. Small stiff tree used in dye making.

240699 to 240730—Continued

240714. *HINTONIA LATIFOLIA* Bullock Rubiaceae.

Col. No. 16542. In forest, San Bernardo, Sonora. February 1957. Slender, wild, ornamental tree; flowers showy in winter; not cold hardy.

240715. *ILEX RUBRA* S. Wats. Aquifoliaceae. **Holly.**

Col. No. 16508. Tepopa, Sierra Saguaribo Sonora. February 1957. Elevation 1,055 meters. Large symmetrical, densely leafy, wild ornamental tree.

240716. *INDIGOFERA SUFFRUTICOSA* Mill. Fabaceae. **Indigo.**

Col. No. 16489. San Bernardo, Sonora. March 1957. Elevation 301 meters. Erect, wild, perennial bush, used as a dye.

240717. *MONTANOA ROSEI* Rob. & Greenm. Asteraceae.

Col. No. 16495. In forest, San Bernardo, Sonora. March 1957. Rapid growing, long-stemmed, cespitose, wild perennial.

240718. *MAHONIA LONGIPES* Standl. Berberidaceae.

Col. No. 16512. In oak forest zone, Tepopa, Sierra Saguaribo, Sonora. February 1957. Elevation 1,055 meters. Wild shrub; wood bright yellow; used in dyeing leather and cloth.

240719. *PITHECELLOBIUM DULCE* (Roxb.) Benth. Mimosaceae. **Guamachil.**

Col. No. 16554. Miramas by Rio Mayo, Sonora. May 2, 1957. Wild tree; seeds unusually large; pulp sweet.

240720 to 240724. *RUMEX HYMENOSEPALUS* Torr. Polygonaceae. **Canaigre.**

Collected 12 miles south of Nogales, Sonora. Apr., 1957.

240720. Col. No. 16473. Low wild plant; several stems; leaves small.

240721. Col. No. 16474. Low, wild, drought-inhibited perennial.

240722. Col. No. 16475. Wild plant, 3 to 4 stems.

240723. Col. No. 16476. Wild plant; late seeding.

240724. Col. No. 16477. Wild, drought-inhibited perennial.

240725. *SALPIANTHUS MACRODONTUS* Standl. Nyctaginaceae.

Col. No. 16500. San Bernardo, Sonora. Apr. 30, 1957. Perennial to 6 feet high; roots fleshy; used as food by Indians.

240726. *SESBANIA* sp. Fabaceae.

Col. No. 16481. Clay soil in flood plain, often standing in water, northwest of Bicam, Sonora. Apr. 28, 1957. Plant to 2 meters high, wild; stalks dry; semi-dehiscent.

240727. *SETARIA MACROSTACHYA* H.B.K. Poaceae. **Plains bristleglass.**

Col. No. 16586. Arroyo alluvium under mesquite, Sierra Tesota near Palo Alto, Sonora. May 5, 1957. Wild, leafy, bunchgrass, rather coarse; browsed by cattle.

240728. *STEVIA* sp. Asteraceae.

Col. No. 16487. Sierra Saguaribo, Sonora. February 1957. Elevation 1,806 meters. Wild, local medicinal herb.

240729. *TABEBUIA PALMERI* Rose Bignoniaceae.

Col. No. 16499. San Bernardo, Sonora. Apr. 30, 1957. Wild ornamental tree; flowers pink.

240730. *TRICHILIA HIRTA* L. Meliaceae.

Col. No. 16485. Sapopa near San Bernardo, Sonora. Mar., 1957.

Wild, subtropical, symmetrical tree.

240731 and 240732. *LOLIUM MULTIFLORUM* Lam. Poaceae.**Italian ryegrass.**

From Italy. Seeds presented by Anselmo Stella, La Foraggera, Bologne. Received June 12, 1957.

240731. No. 1. Province of Reggio Emilia.

240732. No. 2. Province of Udine.

240733. *SIMMONDSIA CHINENSIS* (Link) C. Schneid. Buxaceae.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 12, 1957.

Collected in the Sonora Desert, California.

240734 to 240740.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered June 13, 1957.

240734. *OSMANTHUS AMERICANUS* (L.) Gray Oleaceae.

(Creech 797) Seaside, Norfolk, Va. June 7, 1957.

240735. *STEWARTIA MALACODENDRON* L. Theaceae.

(Creech 798) Cultivated, Norfolk, Va. June 7, 1957.

240736. *SYMPLOCOS TINCTORIA* (L.) L'Herit. Symplocaceae. **Sweetleaf.**

(Creech 799) Seaside, Norfolk, Va. June 7, 1957.

240737. *GELSEMIUM SEMPERVIRENS* (L.) Ait. f. Loganiaceae.

(Creech 800) San dunes, Virginia Beach, Va. June 7, 1957.

240738. *CLEMATIS CRASSIFOLIA* Benth. Ranunculaceae.

B-47221. Originally from Tatsumoto National Forest, Tanegashima, Japan.

240739. *MAGNOLIA X WATSONII* Hook. f. Magnoliaceae.

B-4577. From C. O. Erlanson, Silver Spring, Md. June 11, 1957.

240740. *AMELANCHIER CANADENSIS* (L.) Medic. Malaceae. **Serviceberry.**

B-42161. Collected by J. L. Creech, about 2 miles from Keysville, Charlotte County, Va. Apr. 14, 1950. Flowers flushed pink.

240741 and 240742.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 14, 1957.

Collected at Sgaravatti Nurseries, Padua. June 8, 1957.

240741. *CAMPSIS RADICANS* (L.) Seem. Bignoniaceae.

Col. No. 4070. 'Golden Trumpet'. Rank-growing deciduous climber; flowers golden yellow. (Plants.)

240742. *PANDOREA RICASOLIANA* (Tanf.) Baillon Bignoniaceae.

Col. No. 4071. Flowers soft rose. (Cuttings.)

240743 to 240747. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Experiment Station Brisbane, Queensland. Received June 14, 1957.

240743. No. 45.

240746. No. 58.

240744. No. 55.

240747. No. 59.

240745. No. 56.

240748 to 240751.

From Germany. Seeds presented by the Deutsche Akademie, Munchenberger.
Received June 14, 1957.

240748 and 240749. LUPINUS ANGUSTIFOLIUS L. Fabaceae. **Blue lupine.**

240748. 'Blaue II'.

240749. 'Stamm'.

240750 and 240751. LUPINUS LUTEUS L. **European yellow lupine.**

240750. 'Weiko II'.

240751. 'Weiko III'.

240752 to 240768.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 17, 1957.

From Botanical Garden, University of Genoa. June 10, 1957.

240752. BOEHMERIA MACROPHYLLA D. Don Urticaceae.

Col. No. 4086. Shrub to 3 feet high; stems, petiole, leaf veins reddish; flowers red, nearly 2 inches long.

240753. ARDISIA HUMILIS Vahl Myrsinaceae.

Col. No. 4085. Shrub to 10 feet high; leaves obovate, to 8 inches long, leathery, acute; flowers rose-pink, in umbels; fruit berrylike, black.

240754. BANKSIA VERTICILLATA R. Br. Proteaceae.

Col. No. 4076. Evergreen shrub to 10 feet high; leaves green above, silvery-white beneath; inflorescence conelike; flowers mauve.

240755. BUXUS MICROPHYLLA var. JAPONICA (Muell.-Arg.) Rehd. & Wils. Buxaceae. **Japanese box.**

Col. No. 4083. Evergreen shrub; branches spreading, somewhat drooping; leaves to 1 inch long.

240756. BUXUS MICROPHYLLA Sieb. & Zucc. **Box.**

Col. No. 4081. Evergreen shrub to 8 feet high; leaves to 1 inch long.

240757. CITHAREXYLUM PEOPPIGII Walp. Verbenaceae.

Col. No. 4075. Evergreen shrub to 6 feet high; leaves lanceolate, shining above; flowers in racemes, small, bluish.

240758. COLEUS PENZIGII Baker Menthaceae.

Col. No. 4082. Soft, white hairy, perennial herb to 18 inches high; leaves to 3 inches long; flowers bright violet, late summer.

240759. CURTISIA FAGINEA Ait. Cornaceae.

Col. No. 4077. Evergreen tree to 40 feet high; leaves digitately then pinately divided.

240760. CUSSONIA THYRSIFLORA Thunb. Araliaceae.

Col. No. 4073. Evergreen shrub or tree to 12 feet high; leaves digitately 5-lobed, deep green, lustrous; flowers small, white, in spikes.

240761. DEBREGEASIA HYPOLEUCA Wedd. Urticaceae.

Col. No. 4088. Herb to 18 inches high; leaves narrowly elliptic, rugose, strongly raised veins beneath, impressed above.

240762. FICUS ARBUTIFOLIA Link Moraceae.

Fig.

Col. No. 4074. Evergreen shrub; leaves to 4 inches long, ovate, variegated.

240763. IPOMOEA × HARDINGII Paxt. Convolvulaceae.

Col. No. 4090. Tuberous-rooted perennial twiner; leaves 3-lobed; flowers rose-purple, deep purple throat; garden hybrid.

240752 to 240768—Continued

240764. *NOTELAEA EXCELSA* Webb & Berth. Oleaceae.

Col. No. 4089. Much-branched evergreen shrub or tree to 25 feet high; leaves hollylike, leathery, deep green, lustrous; fruit olivelike, black.

240765. *SAURAUJA SERRATA* DC. Dilleniaceae.

Col. No. 4080. Small evergreen tree; leaves to 10 inches long, serrate, green above, tomentose beneath.

240766. *STROBILANTHES LACTATUS* Hook. Acanthaceae.

Col. No. 4079. Herb with ovate mottled leaves, green above, whitish below.

240767. *TRICHOCLADUS CRINITUS* Pers. Hamamelidaceae.

Col. No. 4078. Rusty-tomentose, evergreen shrub; leaves dark green above; flowers whitish; witch hazel relative. Native to South Africa.

240768. (Undetermined).

Col. No. 4087. Evergreen subshrub; leaves elliptic, shiny green above.

240769 to 240784. *ZEA MAYS* L. Poaceae. **Corn.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 17, 1957.

Grown at Adelaide, South Australia.

240769. 187.1 × 191.1. **240777.** 397.3 0.

240770. 311.39 × 311.38. **240778.** 409.34 × 410.3.

240771. 32.18 0. **240779.** 438.6 × 438.4.

240772. 330.2 × 316.6. **240780.** 439.2 × 439.1.

240773. 331.1 × 313.17. **240781.** 440.5 0.

240774. 331.2 × 331.6. **240782.** 441.1 0.

240775. 358.20. **240783.** 518.9 0.

240776. 359.20. **240784.** 392.5 0.

240785 to 240794.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 18, 1957.

240785. *SACCHARUM EDULE* Hassk. Poaceae. **Sugarcane.**

Col. No. 211. 'Ken'. Dumpu, Ramu River. June 3, 1957. Elevation 800 feet.

240786 to 240792. *SACCHARUM OFFICINARUM* L. **Sugarcane.**

240786 to 240790. Dumpu, Ramu River. June 3, 1957. Elevation 800 feet.

240786. Col. No. 209. 'Om'. **240789.** Col. No. 213. 'Be'.

240787. Col. No. 210. 'Kwis'. **240790.** Col. No. 214. 'Mom'.

240788. Col. No. 212. 'Ogoro'.

240791 and 240792. Aiome, Ramu River. June 4, 1957. Elevation 350 feet.

240791. Col. No. 215. 'Indupin'.

240792. Col. No. 216. 'Comus'.

240793 and 240794. *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.**

240793. Col. No. 208. Dumpu, Ramu River bank. June 3, 1957. Elevation 800 feet.

240794. Col. No. 217B. Atemble, Ramu River. June 5, 1957.

(57 NG 217 B.)

240795. DIOSCOREA COMPOSITA Hemsl. Dioscoreaceae. **Yam.**

From Mexico. Seeds presented by Don K. Cox, Syntex, District Federal. Received June 18, 1957.

'CR-92'. Tierra Blanca, Veracruz.

240796 to 240803.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 18, 1957.

From the Stazione Sperimentale di Floricoltura "O. Raimondo" San Remo. June 12, 1957. Cuttings unless otherwise noted.

240796. CALLICARPA MACROPHYLLA Vahl Verbenaceae. **Beautyberry.**

Col. No. 4111. Semideciduous, tomentose shrub to 8 feet high; leaves elliptic, serrate; berries pure white, in dense clusters.

240797. EUCOMMIA ULMOIDES Oliv. Trochodendraceae.

Col. No. 4099. Deciduous tree to 30 feet high; leaves elmlike.

240798. HYPOESTES SANGUINOLENTA Hook. Acanthaceae.

Col. No. 4097. Perennial herb to 18 inches high; leaves green and mottled pink above; flowers rose pink.

240799. LOPEZIA MINIATA DC. Onagraceae.

Col. No. 4098. Much-branched perennial to 3 feet high; flowers rose; excellent bedding plant.

240800. PHYGELIUS CAPENSIS E. Mey. Scrophulariaceae.

Col. No. 4092. Much-branched perennial to 3 feet high; flowers brick red, tubular, penstemonlike.

240801. PHYTOLACCA DODECANDRA L'Her. Phytolaccaceae.

Col. No. 4095. Shrub to 20 feet high; flowers white.

240802. ROSMARINUS OFFICINALIS L. Menthaceae. **Rosemary.**

Col. No. 4100. 'Prostratus'. Prostrate evergreen shrub; leaves narrow.

240803. (Undetermined.)

Plant. (No field note.)

240804 to 240808. ZEA MAYS L. Poaceae. **Corn.**

From the United States. Seeds presented by the University of Illinois, Urbana, Illinois. Received June 18, 1957.

'Black Mexican' sweet corn.

240804. 56-150-1.

240807. 56-151-11.

240805. 56-150-4.

240808. 56-151-12.

240806. 56-151-6.

240809. VITIS TILIAEFOLIA Humb. & Bonpl. Vitaceae. **Grape.**

From Costa Rica. Presented by the Instituto Inter-Americano de Ciencias, Agricolas, Turrialba. Received June 18, 1957.

From farm of Jose Ma Arios, Rio Segundo.

240810 to 240814.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 18, 1957.

From Stazione Sperimentale di Floricoltura "O. Raimondo," San Remo. June 12, 1957.

240810. BOSEA AMHERSTIANA Hook. f. Amaranthaceae.

Col. No. 4106. Scrambling shrub; leaves small, white-variegated.

240810 to 240814—Continued

240811. *CROSSANDRA NILOTICA* Oliver Acanthaceae.

Col. No. 4096. Perennial to 2 feet high; leaves ovate-acuminate, about 4 inches long, pubescent; flowers in dense spikes, salmon-red.

240812. *MAESA* sp. Myrsinaceae.

Col. No. 4110. Perennial; leaves alternate, ovate.

240813. *PELARGONIUM ZONALE* (L.) L'Her. Geraniaceae.

Horseshoe geranium.

Col. No. 4094. 'Millionaire'. Extremely vigorous cultivar; inflorescence 6 inches across and flowers to 2 inches in diameter; salmon-pink.

240814. *MONTANAO TOMENTOSA* Cerv. Asteraceae.

Col. No. 4112. Much-branched shrub to 12 feet high; leaves pubescent; ray flowers white.

240815 and 240816. *MALPIGHIA PUNICIFOLIA* L. Malpighiaceae.

From Puerto Rico. Plants presented by the Federal Experiment Station, Mayaguez. Received June 19, 1957.

240815. B-15.

240816. B-17.

240817 and 240818.

From Algeria. Presented by the Station Experimentale de Ferme Blanche, Perregaux, Oran. Received June 19, 1957.

240817. *MALUS SYLVESTRIS* Mill. Maleceae.

Common apple.

'Pommier Llorca'.

240818. *PRUNUS ARMENIACA* L. Amygdalaceae.

Apricot.

'Boullida'.

240819 to 240825.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 19, 1957.

From the Stazione Sperimentale di Floricoltura "O. Raimondo," San Remo. June 12, 1957.

240819. *CHRYSANTHEMUM* sp. Asteraceae.

Col. No. 4109. Much-branched perennial to 3 feet high; leaves finely divided, glaucous; flowers white.

240820. *CISSUS STRIATA* Ruiz & Pav. Vitaceae.

Striped treebine.

Col. No. 4108. Perennial climber; leaves digitately 5-lobed, the leaflets to 2 inches long, dark reddish-green.

240821. *CONVOLVULUS MAURITANICUS* Boiss. Convolvulaceae.

Morocco convolvulus.

Col. No. 4104. 'Sabatius'. Creeping perennial; flowers deep blue.

240822. *DISCHIDIA BENGALENSIS* Colebr. Asclepidaceae.

Col. No. 4102. Succulent-leaved epiphyte; leaves oblong-lanceolate, flat; flowers inconspicuous.

240823. *PEPEROMIA RESEDAEFLORA* Linden & Andre Piperaceae.

Col. No. 4103. Perennial to 6 inches high; stems succulent; leaves metallic, green above, glistening green below.

240824. *PILEA NUMMULARIAEFOLIA* Wedd. Urticaceae.

Col. No. 4105. Much-branched creeping perennial.

240819 to 240825—Continued

- 240825.** *SENECIO SAXIFRAGA* DC. Asteraceae. **Groundsel.**
Col. No. 4101. Perennial to 12 inches high; leaves serrate-dentate, long-petiolate; ray flowers yellow.

240826 to 240828.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 19, 1957.

- 240826.** *GLYCINE MAX* (L.) Merr. Fabaceae. **Soybean.**
Col. No. 784. Wissel Lakes. May 17, 1957.
- 240827.** *NICOTIANA TABACUM* L. Solanaceae. **Common tobacco.**
Col. No. 790. Near Kota Nico, Hollandia. May 27, 1957.
- 240828.** *PIPER NIGRUM* L. Piperaceae. **Black pepper.**
Col. No. 757. 'Bangka'. Wosi Experiment Station, near Manokwari. May 7, 1957.

240829 to 240841.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 19, 1957. Localities mentioned are Australian sources.

- 240829.** *ASTREBLA* sp. Poaceae.
No. 2. West of Toowoomba.
- 240830.** *BOTHRIODCHLOA DECIPIENS* (Hack.) C. E. Hubb. Poaceae.
No. 10. From Lawes.
- 240831 to 240833.** *BOTHRIODCHLOA INTERMEDIA* (R. Br.) A. Camus.
240831. No. 4. Lawes.
240832. No. 8. Lawes.
240833. No. 11. Bowenville.
- 240834.** *CAPILLIPEDIUM PARVIFLORUM* (R. Br.) Stapf. Poaceae.
No. 9. Lawes.
- 240835 to 240837.** *DICHANTHIUM SERICEUM* (R. Br.) A. Camus Poaceae.
240835. No. 1. Bowenville.
240836. No. 5. Lawes.
240837. No. 13. Bowenville.
- 240838.** *EULALIA FULVA* (R. Br.) Kuntze Poaceae. **Sugar grass.**
No. 6. Bowenville.
- 240839.** *HETEROPOGON CONTORTUS* (L.) Beauv. Poaceae. **Tanglehead.**
No. 7. Lawes.
- 240840.** *ISEILEMA MEMBRANACEUM* Domin Poaceae.
No. 3. Jondaryan.
- 240841.** *THEMEDA* sp. Poaceae.
No. 12. Lawes.

240842. *LUCULIA GRATISSIMA* (Wall.) Sweet Rubiaceae.

From India. Seeds presented by the Chandra Nursery, N. Bengal, through E. A. Menninger, Stuart, Fla. Received June 19, 1957.

240843 to 240856.

From Turkey. Seeds presented by the International Cooperation Administration, United States Operations Mission, Ankara. Received June 19, 1957. Localities given are Turkish sources.

240843. LUPINUS ALBUS L. Fabaceae. **White lupine.**

'Guruh'. Geleman State Seed Increase Farm near Samsun on the Black Sea.

240844 to 240856. SESAMUM INDICUM L. Pedaliaceae. **Sesame.**

240844. No. 1966. Mersin, Iscel and Tarsus.

240845. No. 1967. Imroz, an Island in the Aegean Sea.

240846. No. 1968. Manisa, Noma.

240847. No. 1969. Izmir, Kariz.

240848. No. 1970. Izmir, Kariz.

240849. No. 1971. Kinar, Genceli.

240850. No. 1972. Menemen.

240851. No. 1978. Yugoslavia.

240852. No. 1979. Yenice.

240853. No. 1980. Yenice and Inegol, Bursa.

240854. No. 1987.

240855. No. 1988.

240856. No. 1989.

240857 to 240873.

From Great Britain. Seeds presented by Dr. F. R. Irvine, London, England. Received June 19, 1957. Localities given are Dr. Irvine's sources.

240857 to 240862. CERATOTHECA SESAMOIDES Endl. Pedaliaceae.

240857 to 240859. From Uganda, East Africa.

240857. Seeds brown. Lango.

240858. Seeds dark brown. Palaro, Acholi District.

240859. Seeds light brown. Palaro, Acholi District.

240860 to 240862. From Ghana, West Sahara, Africa.

240860. 'Bungu'. (i) South Mamprussi.

240861. 'Bungu'. (ii) South Mamprussi.

240862. 'Zinzam'. South Mamprussi.

240863 to 240873. VOANDZEIA SUBTERRANEA (L.) Thouars Fabaceae.

240863 to 240866. From Mount Makuru Research Station, Northern Rhodesia.

240863. Seeds brown. Southern Province.

240864. Seeds white. Southern Province.

240865. Seeds brown. Eastern Province.

240866. Seeds brown. Northern Province.

240867 to 240869. From Uganda, East Africa.

240867. Seeds light reddish brown.

240868. Seeds darker reddish brown.

240869. Seeds black.

240870. Seeds light brown. From Angola.

240857 to 240873—Continued**240863 to 240873—Continued**

240871 to 240873. From Ghana, W. Sahara, Africa.

240871. Seeds white. Babile/Lawra District.

240872. Seeds black. Babile/Lawra District.

240873. Seeds white. Northwest Ashanti.

240874 and 240875.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 20, 1957.

240874. *CASSIA LEPTOCARPA* Benth. Caesalpineaceae. **Senna.**

Col. No. 16673. Boyce Thompson Arboretum, Superior, Arizona. April 1957.

240875. *HEIMIA SALICIFOLIA* (H.B.K.) Link Lythraceae.

Col. No. 16677. Boyce Thompson Arboretum, Superior, Arizona. April 1957. Bushy, ornamental shrub; used medicinally.

240876. *RUMEX HYMENOSEPALUS* Torr. Polygonaceae. **Canaigre.**

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 20, 1957.

Col. No. 16680. Five miles south of Sage along road to Aguanga, California. April 1957.

240877 to 240892.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 20, 1957.

240877. *BRONGNIARTIA* sp. Caesalpineaceae.

Col. No. 16604. Garboncillo. Ahuaje Pescado, east of Matape, Sonora. May 13, 1957. Short woody perennial, branching from base; flowers dark red; seeds edible when young.

240878. *BURSERA FAGAROIDES* Engl. Burseraceae.

Col. No. 16598. Sierra de Mazatan, Sonora. May 12, 1957. Elevation 2,500 feet. Low, spreading, leafless, fruiting tree.

240879. *CUCURBITA DIGITATA* A. Gray Curcubitaceae.

Col. No. 16589. Los Posos, northwest Sonora. Apr. 7, 1957. Elevation 1,500 feet. Wild ground vine.

240880. *DALEA GRAYI* (Vail) L. O. Wms. Fabaceae.

Col. No. 16614. Rancho Guitarra, south of Bacanor, Sonora. May 16, 1957. Elevation 2,500 feet. Wild, slender, virgated perennial; browsed by animals.

240881. *GOSSYPIUM THURBERI* Todaro Malvaceae. **Cotton.**

Col. No. 16662A. Sierra between Ures and Moctezuma, Sonora. May 22, 1957. Elevation 3,000 feet. Single stem shrub to 6 feet high.

240882. *GUARDIOLA* sp. Asteraceae.

Col. No. 16610. Ahuaji Pescado, east of Matape, Sonora. May 13, 1957. Elevation 2,700 feet. Leafy, wild, ornamental bush to 5 feet high.

240877 to 240892—Continued

- 240883 and 240884.** *IPOMOEA ARBORESCENS* (Willd.) Don. Convolvulaceae. **Tree morning-glory.**
240883. Col. No. 16592. East of Hermosillo. Wild, ornamental tree; branches arching; bark shining white.
240884. Col. No. 16636. Scattered on rocky slopes, east of Moctezuma, Sonora. May 19, 1957. Elevation 3,000 feet. Small wild tree; bark white.
- 240885.** *JACQUINIA PUNGENS* A. Gray. Theophrastaceae.
 Col. No. 16670. San Bernardo, Sonora. Apr., 1957. Low, dense, wild, evergreen shrub, sensitive to hard frost; leaves pungent-tipped.
- 240886.** *LOTUS GREENEI* (Woot. & Standl.) Ottley. Fabaceae. **Trefoil.**
 Col. No. 16654. Sierra Murrieta, east of Bacanora, Sonora. May, 1957. Low, spreading, perennial herb; seeding freely.
- 240887.** *LUFFA* sp. Cucurbitaceae.
 Col. No. 16429. Limestone soil east of Cardenez, along road to Villa Flores, Chiapas. Mar. 20, 1957. Climbing vine; fruits numerous, brindled.
- 240888.** *MARSDENIA EDULIS* S. Wats. Aselepiadaceae.
 Col. No. 16671. San Bernardo, Sonora. Mar., 1957. Vine climbing on shrubs and trees; green fruits edible.
- 240889.** *RANDIA LAEVIGATA* Standley. Rubiaceae.
 Col. No. 16595. Sierra de Mazatan, Sonora. May 12, 1957. Low spreading tree or shrub.
- 240890.** *TECOMA STANS* (L.) Juss. Bignoniaceae.
 Col. No. 16597. Caballitos. Sierra di Mazatan, Sonora. May 12, 1957. Wild, spreading, fine-leaved shrub.
- 240891.** *TEPHROSIA* sp. Fabaceae.
 Col. No. 16566. About 45 miles north of Guaymas, Sonora. Perennial wild herb; flowers reddish purple; browsed by cattle when tender.
- 240892.** (Undetermined).
 Col. No. 16640. Mountain east of Guasabas, Sonora. May 21, 1957. Elevation 4,000 feet. Spreading shrub.
- 240893.** *ADENIUM OBESUM* (Forsk.) Roem. & Schult. Apocynaceae.
 From Cuba. Plants presented by the Atkins Gardens and Research Laboratory, Cienfuegos. Received June 21, 1957.
- 240894.** *DENDROCALAMUS STRICTUS* (Roxb.) Nees. Poaceae. **Bamboo.**
 From Cuba. Seeds presented by the Atkins Institution, Soledad. Received June 24, 1957.
- 240895 to 240897.** *GOSSYPIUM* (hybrids). Malvaceae. **Cotton.**
 From Argentina. Seeds presented by the Estacion Experimental, Saenz Pena, Chaco. Received June 24, 1957.
- 240895.** 'J. Brebbia 83'.
240896. 'Saenz Pena M 58'.
240897. 'Saenz Pena 85'.
- 240898 to 240913.**
 From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 24, 1957.

240898 to 240913—Continued

240898 to 240909. *SACCHARUM OFFICINARUM* L. Poaceae. **Sugarcane.**

From Bainyik, except where noted. June 7, 1957.

240898. Col. No. 218. **240905.** Col. No. 225.

240899. Col. No. 219. **240906.** Col. No. 226.

240900. Col. No. 220. **240907.** Col. No. 227.

240901. Col. No. 221. **240908.** Col. No. 228.

240902. Col. No. 222. **240909.** Col. No. 229.

240903. Col. No. 223. Japanout village near Pagwi on
Sepik River.

240904. Col. No. 224.

240910 to 240912. *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.**

240910. Col. No. 230. Near Sepik River near Pagwi. June 9, 1957.

240911. Col. No. 231. Near Sepik River at Angoram. June 12, 1957.

240912. Col. No. 232. Edge of Sepik River at Angoram. June 12, 1957.

240913. *SACCHARUM EDULE* Hassk. **Sugarcane.**

Col. No. 233. 'Singangan'. Near Angoram. June 12, 1957.

240914. *EURYA EMARGINATA* var. *MICROPHYLLA* Makino Theaceae.

From Japan. Cuttings presented by the Kyusyu Agricultural Experiment Station, Kurume, Fukuoka. Received June 24, 1957.

240915 to 240922.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 24, 1957.

240915 to 240921. *SACCHARUM ROBUSTUM* Brandes & Jesw. Poaceae.

Sugarcane.

240915. Col. No. 795. River bank of Ramu River at Dumpu. June 3, 1957.

240916. Col. No. 796. Edge of Ramu River at Dumpu. June 3, 1957.

240917. Col. No. 801. Edge of Ramu River at Atembre. June 5, 1957.

240918. Col. No. 802. Edge of airstrip at Awar. June 6, 1957.

240919. Col. No. 806. Sepik River near Pagwi. Yellow form. June 9, 1957.

240920. Col. No. 807. Near Japanout village opposite Pagwi on Sepik River. June 9, 1957.

240921. Col. No. 808. Near Japanout village opposite Pagwi on Sepik River. June 9, 1957.

240922. *SACCHARUM SPONTANEUM* L.

Sugarcane.

Col. No. 797. Edge of Ramu River at Dumpu. June 3, 1957.

240923 and 240924.

From France. Plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 21, 1957. Collected June 15, 1957.

240923. *BUXUS SEMPERVIRENS* L. Buxaceae.

Common box.

Col. No. 4118. Steep rocky mountain slopes near Turini, 40 miles north of Nice, Alpes-Maritimes. Elevation 4,000 feet. Evergreen shrub to 8 feet high.

240924. *LILIUM POMPONUM* L. Liliaceae.

Lily.

Col. No. 4120. Talus slopes above the River Vesubie near Lantosque, 25 miles north of Nice, Alpes-Maritimes. Robust plant to 3 feet high; leaves grasslike; flowers deep orange-red.

240925 to 240927. NARCISSUS TAZETTA L. Amaryllidaceae.

From Italy. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 25, 1957.

From Botanical Garden, University of Pisa, Pisa.

240925. Col. No. 4046.

240926. Col. No. 4057. 'Barlae'.

240927. Col. No. 4058. 'Chrysanthus'.

240928 to 240931. PRUNUS PERSICA (L.) Batsch Amygdalaceae.**Peach.**

From the United States. Plants growing at the United States Plant Introduction Station, Chico, California. Numbered June 25, 1957.

Seedling of P.I. 107838, 'Mas Tas'. Collected by Peter Liu, Peiping, China, in the vicinity of Feicheng, 1935.

240928. JL-94.

240930. JL-104.

240929. JL-100.

240931. JL-116.

240932 to 240936. COFFEA ARABICA L. Rubiaceae.**Arabian coffee.**

From Ethiopia. Seeds presented by Arthur Bechtel, Addis Ababa.

Received June 26, 1957.

240932. BE-5. 'Wush-wush'. Dokia forest, west of the town of Bonga. Elevation 6,000 feet.

240933 to 240935. Cuti region, west of the town of Chembo on the Bonga Road. Elevation 5,000 feet.

240933. BE-6. 'Moderalo'. Beans large; susceptible to *Hemileia*.

240934. BE-7. 'Boggia'. Beans and leaf medium size; good producer; resistant to local strain of *Hemileia*.

240935. BE-8. 'Era'. Beans small; leaves long-strap; good producer; primitive type; resistant to local strain of *Hemileia*.

240936. BE-9. 'Shebe'. Bellete Forest, near the town of Shebe. Elevation 5,500 feet. Plants with no disease.

240937 to 240971.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered June 26, 1957.

Presented by Henry J. Hohman, Kingsville, Md.

240937. BUXUS BALEARICA Lam. Buxaceae.

Spanish box.

240938. BUXUS HARLANDII Hance

Box.

240939 to 240944. BUXUS MICROPHYLLA Sieb. & Zucc.

Box.

240939. Typical form.

240942. 'Kingsville 2A'.

240940. 'Compacta'.

240943. 'Curly Locks'.

240941. 'Green Pillow'.

240944. 'Kingsville 4A'.

240945. BUXUS MICROPHYLLA var. JAPONICA (Muell.-Arg.) Rehd. & Wils.

Japanese box.

240946. BUXUS MICROPHYLLA var. KOREANA Nakai ex Rehder

Box.

240947. BUXUS MICROPHYLLA var. SINICA Rehd. & Wils.

Box.

240948. BUXUS SEMPERVIRENS var. MYRTIFOLIA Sweet ex Rehder

Box.

240937 to 240971—Continued**240949 to 240971.** BUXUS SEMPERVIRENS L.**Common box.**

240949. 'Angustifolia Salicifolia'.
 240950. 'Arborescens'.
 240951. 'Aurea Maculata'.
 240952. 'Aurea Maculata Pendula'.
 240953. 'Elegantissima Argenteo Variegata'.
 240954. 'Glauca'.
 240955. 'Handsworthii'.
 240956. 'Joe Gable'.
 240957. 'Marginata Aurea'.
 240958. 'Latifolia Maculata'.
 240959. 'Latifolia Macrophylla-Rotundifolia'.
 240960. 'Myosotifolia'.
 240961. 'Navicularis'.
 240962. 'Northern New York'.
 240963. 'Pendula'.
 240964. 'Prostrata'.
 240965. 'Hardwickensis'.
 240966. 'Pyramidalis Variegata'.
 240967. 'Rosmarinifolia Thymifolia'.
 240968. 'Salicifolia'.
 240969. 'Salicifolia Elata'.
 240970. 'Varifolia'.
 240971. 'Welleri'.

240972 to 240976.

From Australia. Seeds presented by E. A. Menninger, Stuart, Fla. Received June 27, 1957.

From Epping, New South Wales, Australia.

240972. CASSIA EREMOPHILA A. Cunn. Caesalpinaceae. **Senna.**
 240973. CLIANTHUS SPECIOSUS (Endl.) Steud. Fabaceae. **Parrotbeak.**
 240974. EREMOPHILA LONGIFOLIA (R. Br.) F. Muell. Myoporaceae.
 240975. MELALEUCA ELLIPTICA Labill. Myrtaceae.
 240976. MELALEUCA WILSONII F. Muell.

240977 to 240984.

From Great Britain. Seeds presented by the Welsh Plant Breeding Station, Plas Gogerddan, Aberystwyth, Wales. Received June 27, 1957.

240977. LOLIUM MULTIFLORUM Lam. Poaceae. **Italian ryegrass.**
 No. S.22/KS/56.
 240978 to 240980. LOLIUM PERENNE L. **Perennial ryegrass.**
 240978. S.23/AB/56 F.S.
 240979. S.24/BM/56.
 240980. S.101/BG/56.

240977 to 240984—Continued

- 240981.** *LOLIUM REMOTUM* Schrank Ryegrass.
Bar 6301.
- 240982.** *LOLIUM RIGIDUM* Gaud. Wimmera ryegrass.
Ba 6154.
- 240983.** *LOLIUM TEMULENTUM* L. Darnel.
Bat 6304.
- 240984.** *LOLIUM STRICTUM* Presl Ryegrass.
Bal 6298.

240985 to 240991.

From New Guinea. Collected by C. O. Grassl and John Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 27, 1957.

- 240985 to 240989.** *SACCHARUM OFFICINARUM* L. Poaceae. Sugarcane.
From Keravat, New Britain Island. June 14, 1957. (Cuttings.)
- 240985.** Col. No. 234.
- 240986.** Col. No. 235.
- 240987.** Col. No. 236.
- 240988.** Col. No. 237.
- 240989.** Col. No. 239.

240990 and 240991. *SACCHARUM ROBUSTUM* Brandes & Jesw. Sugarcane.

- 240990.** Col. No. 238. Keravat, New Britain Island, June 14, 1957. (Cuttings.)
- 240991.** Col. No. 809. Bank of Sepik River, below Pagwi. June 9, 1957. Red form. (Seeds.)

240992 to 240994. *NARCISSUS TAZETTA* L. Amaryllidaceae.

From Italy. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 28, 1957.

Botanical Garden, University of Pisa, Pisa. June 1, 1957.

- 240992.** Col. No. 4060. 'Aureus'.
- 240993.** Col. No. 4056. 'Italicus'.
- 240994.** Col. No. 4059. 'Papyraceus'.

240995. *CASSIA* sp. Caesalpinaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 28, 1957.

Col. No. 16627. Oak woodland, limestone soil, Sierra Murrieta near Toribus, west of Bacanora, Sonora. Elevation 4,500 feet. May 17, 1957. Perennial herb with several divergent stems, silky new leaves and fetid odor.

240996. *SORGHUM ALMUM* Parodi Poaceae.

From Argentina. Seeds presented by the Agricultural Attache, United States Embassy, Buenos Aires. Received June 28, 1957.

240997 to 241000. *CORCHORUS CAPSULARIS* L. Tiliaceae. Jute.

From Brazil. Seeds presented by the Instituto Agronomico do Norte, Belem, Para. Received July 1, 1957.

- 240997.** 'Branca'. **240999.** 'Roxa'.
- 240998.** 'Lisa'. **241000.** 'Solimoes'.

241001 to 241017.

From Australia. Seeds presented by the Commonwealth Scientific & Industrial Research Organization, Canberra. Received July 1, 1957.

241001 and 241002. *NICOTIANA EXIGUA* Wheeler Solanaceae.

241001. No. TS 255. Augethella, southwestern Queensland.

241002. No. TS 274. St. George, Queensland.

241003. *NICOTIANA FRAGRANS* Hook. Solanaceae.

C.P.I. 21285. Tongatabu, Pacific Ocean.

241004 to 241006. *NICOTIANA GOODSPEEDII* Wheeler

241004. No. TS 55. Penong.

241005. No. TS 100. Port Pirie.

241006. No. TS 222. Watson.

241007 to 241010. *NICOTIANA MEGALOSIPHON* Heurck & Muell.—Arg.

241007. No. TS 241. South of Wiluna.

241008. No. TS 283. Muttaborra, Blackall-Rolleston areas, Queensland.

241009. No. TS 284. Blackall, Longreach, Emerald Region, Queensland.

241010. No. TS 285. Barcaldine area, Queensland.

241011. *NICOTIANA* sp.

No. TS 122. Murchison Gold Field.

241012. *NICOTIANA GOODSPEEDII* Wheeler.

No. TS 45. Blue Mountains, New South Wales.

241013. *NICOTIANA GOODSPEEDII* Wheeler.

No. TS 115. Port Augusta.

241014. *NICOTIANA EXIGUA* Wheeler.

No. TS 168. Port Augusta.

241015. *NICOTIANA* sp.

No. TS 162. Marta Bore.

241016. *NICOTIANA* sp.

No. TS 177. Leonora.

241017. *NICOTIANA* sp.

No. TS 179. Leonora.

241018 to 241025.

From France. Seeds and plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 1, 1957.

From the garden of Major Lawrence Johnston, Sere de la Madone, Val du Gorbio, Menton, Alpes Maritimes.

241018. *BUDDLEIA CRISPA* var. *FARRERI* (Balf. & W. W. Sm.) Hand.—Mazz. Loganiaceae.

Col. No. 4421. Deciduous shrub to 8 ft. high; leaves densely white, tomentose. Plant very handsome. (Seeds.)

241019. *DESFONTAINEA* sp. Loganiaceae.

Col. No. 4425. Evergreen shrub to 3 ft. high; branches pendulous; leaves nearly oval, sharp-toothed. (Cuttings.)

241020. *CORDYLINE TERMINALIS* (L.) Kunth Liliaceae. **Common dracena.**

Col. No. 4422. Woody perennial to 8 ft. high; rhizomatous; stem thick. (Cuttings.)

241018 to 241025—Continued

241021. *SEDUM* sp. Crassulaceae.

Col. No. 4420. Leaves succulent, pubescent. (Cuttings.)

241022. *SEDUM* sp.

Col. No. 4420. (Seeds.)

241023. *SEDUM* sp.

Col. No. 4426. Succulent perennial to 10 in. high; flowers white. Viviparous propagules appear at the nodes throughout the inflorescence. (Cuttings.)

241024. *BALLOTA ACETABULOSA* Benth. Menthaceae.

Col. No. 4424. Perennial to 4 feet high; much-branched; leaves densely white-woolly; flowers lavender. (Cuttings.)

241025. (Undetermined.)

(No field note.) (Rhizome.)

241026 to 241030.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 2, 1957.

241026. *CHASMANTHE AETHIOPICA* (L.) N.E. Br. Iridaceae.

Col. No. 4113. Garden of Domenico Arcardi, Villa Minerva, Poggio, San Remo. Perennial; foliage lush, gladioluslike; flowers in February. (Corms.)

241027. *PHYGELIUS CAPENSIS* E. Mey. Scrophulariaceae.

Col. No. 4092. Brick red perennial; flowers penstemonlike. San Remo. (Cuttings.)

241028. *PODRANEA BRYCEI* (N.E. Brown) Sprague Bignoniaceae.

Col. No. 4107. Stazione Sperimentale di Floricoltura "O. Raimondo", San Remo. Large vigorous vine; flowers pink. (Seed pods.)

241029. *ROSA* sp. Rosaceae.

Col. No. 4091. 'Ophelia'. Garden of Domenico Arcardi, Villa Minerva, Poggio, San Remo. Bush to 6 ft. high; flowers pink. A tea rose hybrid used as a seed parent for breeding greenhouse roses.

241030. *VIOLA CORNUTA* L. Violaceae.

Tufted pansy.

Col. No. 4093. 'San Remo'. Stazione Sperimentale di Floricoltura "O. Raimondo," San Remo. Plant vigorous to 8 inches high; flowers blue, blotched white, floriferous, showy. (Seed.)

241031. *SCHOENOCAULON OFFICINALE* (Schlecht.) A. Gray ex Benth. Melanthiaceae. **Cebadilla.**

From Venezuela. Seeds presented by the Centro de Investigaciones Agronomicas, Maracay. Received July 2, 1957.

Grown at La Victoria, Aragua.

241032 to 241034.

From Guatamala. Plants presented by M. Pacheco, Guatamala City. Received July 2, 1957.

241032. *CATASETUM SCURRA* Reichb. f. Orchidaceae.

241033. *CYPRIPEDIUM CAUDATUM* Lindl. Orchidaceae.

241034. *LYCASTE SKINNERI* Lindl. Orchidaceae.

241035 to 241082.

From the United States. Collected by F. J. Hermann and B. M. Leese, agricultural explorers, Plant Introduction Station, Crops Research Division, Beltsville, Md. Received August 1955.

241035 and 241036. *ALOPECURUS ALPINUS* J. E. Smith Poaceae.

241035. Col. No. 12424. Belly River Valley, Glacier County, Montana. Plant to 7 feet high; matures earlier than the common timothy. Animals prefer this when in flower. (Seed.)

241036. Col. No. 12486. In sedge meadow about 4 miles north of Jackson Mountain, Beaverhead County, Montana. (Seed.)

241037. *AMELANCHIER ALNIFOLIA* Nutt. ex Roemer Malaceae

Col. No. 12149. White River Valley, 4 miles northeast of Buford, Rio Blanco, Colorado. (Seed.)

241038. *ASTRAGALUS AMERICANUS* (Hook.) M. E. Jones. Fabaceae.

Col. No. 12429. Belly River Valley, Glacier County, Montana. (Seed.)

241039. *ASTRAGALUS BISULCATUS* (Hook.) Gray

Col. No. 12123. Near Huntsville, Daggett County, Utah. Spreading habit. (Seed.)

241040. *ASTRAGALUS CANADENSIS* var. *BREVIDENS* (Gand.) Barneby

Col. No. 12120. Sheep Creek Canyon, Daggett County, Utah, Upright, rather woody, along stream, Plant 1.5 feet high. Elevation 7,500 feet. (Seed.)

241041. *ASTRAGALUS LENTIGINOSUS* var. *TREMULATORUM* Barneby

Milkvetch.

Col. No. 12074. Lamoille Canyon, Elko County, Nevada. Aspen wooded area along stream. (Seed.)

241042. *ASTRAGALUS MISER* var. *OBLONGIFOLIUS* (Rydb.) Cronquist

Milkvetch.

Col. No. 12139. Summit of Springs Ranger Station, Daggett County, Utah. Elevation 8,500 feet. (Seed.)

241043. *BECKMANNIA SYZIGACHNE* (Steud.) Fernald Poaceae.

Col. No. 101-12066. Growing in ditch in field, north of Independence Mountain, Elko County, Nevada. Elevation 7,000 feet. Plant to 4 feet high, green and succulent. (Seed.)

241044. *BECKMANNIA* sp. Poaceae.

Along Belly River, Glacier County, Montana. (Seed.)

241045. *BOUTELOUA CURTIPENDULA* (Michx.) Torr. Poaceae.

Yellowstone National Park, near Tower Junction, Wyoming. (Seed.)

241046. *BOUTELOUA GRACILIS* (H.B.K.) Lag.

Yellowstone National Park, near Tower Junction, Wyoming. (Seed.)

241047 and 241048. *BROMUS MARGINATUS* Nees Poaceae. **Mountain brome.**

241047. Klamath County, Oregon. South entrance to Rogue River National Forest, Route 62. Elevation 5,500 feet. Plant to 3 feet high. (Seed.)

241048. In dry meadow with ponderosa pine and Douglas-fir, 6 miles north of Union Creek, Route 62, Klamath County, Oregon. Plant to 4.5 feet high. (Seed.)

241049. *CAREX ARCTA* Boott Cyperaceae.

Along Lake McDonald, Glacier National Park, Glacier County, Montana. (Seed.)

241035 to 241082—Continued

241050. *DANTHONIA* sp. Poaceae.

Fremont County, Wyoming. (Seed.)

241051. *DESCHAMPSIA CAESPITOSA* (L.) Beauv. Poaceae. **Tufted hair grass.**

Col. No. 12454. One-half mile off North Fork road up Camus Creek Valley, Flathead County, Montana. (Seed.)

241052. *DESCHAMPSIA ELONGATA* (Hook.) Munro

Col. No. 12325. Stemple Pass, Helena National Forest, Lewis and Clark County, Montana. (Seed.)

241053. *DISTICHLIS STRICTA* (Torr.) Rydb. Poaceae.

Col. No. 12064. Alkaline greasewood plain, 30 miles east of Wennimucea, Idaho. (Seed.)

241054. *ECHINOPANAX HORRIDUM* Cooper Araliaceae.

East of Lake McDonald, Glacier National Park, Montana. (Seed.)

241055. *ENNEAPOGON DESVAUXII* Beauv. Poaceae.

Col. No. 12586. 11 miles east of Jacob Lake, Kaibab, Coconino County, Arizona. Plant 8 inches high; abundant. (Seed.)

241056. *HEDYSARUM* sp. Fabaceae.

Near boundary line 1 mile below International Highway along Belly River, Alberta, Canada. (Seed.)

241057 and 241058. *LUPINUS ARGENTUS* Pursh Fabacea.

241057. Col. No. 12140. Summit Springs Ranger Station, Ashley Forest, Daggett County, Utah. Elevation 8,500 feet. (Seed.)

241058. Col. No. 12186. 5 miles north of Mesa Lakes in Asper Grove, Mesa County, Colorado. Elevation 8,500 feet. (Seed.)

241059 and 241060. *LUPINUS CAUDATUS* Kell.

241059. Col. No. 11951. Beckwourth School, Beckwourth, California. Elevation 4,945 feet. (Seed.)

241060. Col. No. 12070. Two or 3 isolated plants on Tuscorora Mountains. Route 11, Elko, Humboldt County, Nevada. (Seed.)

241061. *LUPINUS HUMICOLA* A. Nels.

Col. No. 12306. Near Togwater Pass, Fremont County, Wyoming. (Seed.)

241062. *LUPINUS SERICUES* Pursh

Col. No. 12169. 19 miles west of Tragyura Lake, Route 132. Rio Blanco County, Colorado. Elevation 8,050 feet. Flowers purple with tinge of white. (Seed.)

241063. *PETALOSTEMUM MOLLE* Rydb. Fabaceae.

Col. No. 12343. Stemple Pass, Lewis and Clark County, Montana. (Seed.)

241064 and 241065. *PHALARIS ARUNDINACEA* L. Poaceae.

Reed canarygrass.

241064. 5 miles north of Oregon border, Route 97, Klamath County, Oregon. Abundant, to 4 feet high, along irrigation ditch. (Seed.)

241065. (No data.) (Seed.)

241066 and 241067. *POA CANBYI* (Scribn.) Piper Poaceae. **Bluegrass.**

241066. Col. No. 11947. Seirra Valley Grange, Winton, Plumas County, California. Abundant. (Seed.)

241067. Col. No. 11943. Road to Squaw Valley, Truckee Valley, Placer County, California. (Seed.)

241035 to 241082—Continued

241068. *POA PRATENSIS* L. **Kentucky bluegrass.**

Col. No. 11959. Fort Creek Motel, Route 62, 3 miles south of Fort Klamath, Klamath County, Oregon. Elevation 5,500 feet. (Seed.)

241069. *SAMBUCUS* sp. *Caprifoliaceae*.

Between Buford and New Castle, Rio Blanco County, Colorado. Fruit yellow. (Seed.)

241070. *SCHEDONNARDUS PANICULATUS* (Nutt.) Trel. *Poaceae*.

Col. No. 12212. Emery Creek, Rabbit Bush Plains, 18 miles northwest of Woodside, Carbon County line, Utah. (Seed.)

241071. *SITANION HYSTRIX* (Nutt.) J. G. Smith *Poaceae*.

Col. No. 11937. Donner Lake, Nevada County, California. Elevation 6,000 feet. (Seed.)

241072. *SPOROBOLUS AIROIDES* (Torr.) Torr. *Poaceae*.

Col. No. 12213. 17 miles west of Woodside along the Carbon County line, Utah. (Seed.)

241073. *SPOROBOLUS CONTRACTUS* Hitchc.

Col. No. 12585. Yellowstone National Park, Wyoming. (Seed.)

241074. *STIPA COLUMBIANA* var. *NELSONII* (Scribn.) Hitchc. *Poaceae*.

Col. No. 11965. Fort Creek Motel, Klamath County, Oregon. (Seed.)

241075. *STIPA OCCIDENTALIS* Thurb.

Western needlegrass.

Col. No. 11939. Nevada County, California. Elevation 6,000 feet. (Seed.)

241076. *THERMOPSIS RHOMBIFOLIA* (Nutt.) Richards. *Fabaceae*.

Col. No. 12129. West of Sheep Creek Canyon, Daggett County, Utah. (Seed.)

241077. *THERMOPSIS XYLORRHIZA* A. Nels.

Col. No. 81-12042. Cold Spring Mountain, Idaho County, Idaho. Elevation 6,600 feet. (Seed.)

241078. *TRIFOLIUM REPENS* L. *Fabaceae*.

White clover.

Little Salmon River, Route 95, Idaho County, Idaho. Elevation 4,000 feet. Creeping plant on a mica outcrop. (Seed.)

241079. *TRIDENS MUTICUS* (Torr.) Nash *Poaceae*.

(No data.) (Seed.)

241080 and 241081. *VICIA AMERICANA* Muhl. *Fabaceae*.

241080. Col. No. 12115. Wheeler Spring at Snow Basin in mountains, Ogden County, Utah. (Seed.)

241081. Col. No. 12421. Near International Border, 1 mile below Route 17, Belly River, Glacier National Park, Montana. (Seeds.)

241082. *VICIA OREGANA* Nutt.

5 miles north of Mesa Lake, Asper Grove, Mesa County, Colorado. Elevation 8,500 feet. (Seed.)

241083 to 241099.

From countries as indicated. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 2, 1957.

From La Mortola, Villa Hanbury, near Ventimiglia, Italy.

241083. *CANTUA BUXIFOLIA* Lam. *Polemoniaceae*.

Col. No. 4642. Evergreen shrub to 6 feet high; branches pendulous; flowers long, tubular, purplish-red, tube striped yellow. (Cuttings.)

241083 to 241099—Continued

241084. *OREOPANAX FLORIBUNDUM* (H.B.K.) Decne. & Planch. Araliaceae.

Col. No. 4641. Evergreen shrub to 30 feet high; much-branched; leaves waxy green above, lighter beneath. (Cuttings.)

241085. *PELARGONIUM PELTATUM* (L.) Ait. Geraniaceae.

Col. No. 4637. Double-flowered, lavender form of ivy-leaved geranium.

241086 to 241088. From Monaco. Received July 2, 1957.

241086. *LIMONIASTRUM MONOPETALUM* (L.) Boiss. Plumbaginaceae.

Col. No. 4497. On rocks in the public gardens. Shrub to 10 feet high; branches pendulous; flowers lavender, pink and showy. (Cuttings.)

241087. (Undetermined.)

Col. No. 4635. Greenhouse of the Municipal Gardens. Plant coarse; leaves leathery; fronds strap-shaped. (Plant.)

241088. (Undetermined.) Brassicaceae.

Col. No. 4498. Palace garden. Annual to 6 inches high. (Seeds.)

241089 to 241092. Botanical Garden, Les Cedres, St. Jean, Cap Ferrat (Alpes Maritimes.) France.

241089. *KALANCHOE LONGIFOLIA* Geddes Crassulaceae.

Col. No. 4115. Plant erect, to 4 feet high, much-branched towards the top. (Seed.)

241090. *KALANCHOE MANGINII* R. Ham. & Perr.

Col. No. 4117. Flowers scarlet. (Seed.)

241091. *SENECIO GLASTIFOLIUS* L. f. Asteraceae.

Col. No. 4114. Plant to 5 feet high, much-branched, flat-topped; flowers lavender to white. (Seed.)

241092. *CINERARIA SAXIFRAGA* DC. Asteraceae.

Col. No. 4416. Plant much-branched, spreading; leaves to 2 inches long; flowers yellow. (Seed.)

241093 to 241099. From Italy. Received July 3, 1957. La Mortola, near Ventimiglia.

241093. *ACACIA PENDULA* A. Cunn. Mimosaceae.

Wattle.

Col. No. 4638. Branches pendulous. (Cuttings.)

241094. *BANKSIA LATIFOLIA* R. Br. Proteaceae.

Col. No. 4640. Hardy shrub, much-branched, inflorescence creamy-white. (Cuttings.)

241095. *BOWKERIA GERRARDIANA* Harv. ex Hiern Scrophulariaceae.

Col. No. 4637. Large shrub; flowers viscid, white, with a resinous odor. (Cuttings.)

241096. *JACOBINIA SUBERECTA* Andre Acanthaceae.

Col. No. 4647. Perennial herb to 18 inches high, much-branched; leaves tomentose; flowers orange. (Cuttings.)

241097. *ROSMARINUS OFFICINALIS* L. Menthaceae.

Rosemary.

Col. No. 4643. 'Prostratus'. Prostrate evergreen shrub. (Cuttings.)

241098. *ARAUJIA SERICIFERA* Brot. Asclepiadaceae.

Col. No. 4636. Rampant woody climber; leaves green above, white beneath; flowers pink. (Cuttings.)

241099. *OREOPANAX FLORIBUNDUM* (H.B.K.) Decne. & Planch. Araliaceae.

Col. No. 4644. Evergreen shrub; leaves digitate. (Cuttings.)

241100 to 241113.

From the Solomon Islands. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 3, 1957.

241100 to 241106. *SACCHARUM OFFICINARUM* L. Poaceae. **Sugarcane.**

241100. Col. No. 240. 'Tovu Sole'. Betikama, Guadalcanal.

241101. Col. No. 241. 'Malases'. Betikama, Guadalcanal.

241102. Col. No. 242. 'Orfu-Buru'. Malaita.

241103. Col. No. 243. 'Orfu-Sari'. Malaita.

241104. Col. No. 244. Nggela, Florida Island.

241105. Col. No. 245. Nggela, Florida Island.

241106. Col. No. 247. 'Doma'.

241107. *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.**

Col. No. 246. Tenaru, Guadalcanal. (Cuttings.)

241108. *SACCHARUM* sp.

Col. No. 248. Takambaro, Visale, Guadalcanal. (Cuttings.)

241109 to 241113. From indicated countries.

241109 and 241110. *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.**

241109. Col. No. 812. Edge of Sepik River, Angoram, New Guinea. Red-fleshed.

241110. Col. No. 818. Betekama, on Lunga River, Guadalcanal.

241111 to 241113. *SACCHARAUM SPONTANEUM* L.

241111. Col. No. 813. Low field, along Sepik River, Angoram, New Guinea.

241112. Col. No. 819. Edge of roads and airfield, Honiara, Guadalcanal.

241113. Col. No. 822. Roadside near Kokopo, 20 miles from Rabaul, New Guinea.

241114. *ACACIA BONARIENSIS* Gillies ex Hook. & Arn. Mimosaceae.

From Cuba. Seeds presented by the Atkins Institution, Cienfuegos. Received July 5, 1957.

241115. *BETA MACRORHIZA* Stev. Chenopodiaceae.

From Great Britain. Seeds presented by the Plant Breeding Institute, Trumpington, Cambridge, England. Received July 5, 1957.

241116. *INDIGOFERA* sp. Fabaceae.

Indigo.

From French Equatorial Africa. Seeds presented by the Institut d'Etudes Central Africaines, Brazzaville. Received July 5, 1957.

241117. *TRIFOLIUM MEDIUM* Huds. Fabaceae. **Mammoth clover.**

From New Zealand. Seeds presented by the Grasslands Division, Palmerston North. Received July 7, 1957.

241118 to 241137.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 5, 1957.

241118. *CITRUS* sp. Rutaceae.

Col. No. 816. Kusawun near Wewak. Plant wild; fruit large; rind very thick.

241118 to 241137—Continued

- 241119 and 241120.** SACCHARUM OFFICINARUM L. Poaceae. **Sugarcane.**
 241119. Col. No. 251. 'Amoe'. Hangan, Buka.
 241120. Col. No. 252. 'Tohu'. Hangan, Buka.
- 241121 and 241122.** SACCHARUM ROBUSTUM Brandes & Jesw.
 241121. Col. No. 249. Honiara, Guadalcanal.
 241122. Col. No. 250. Buka, near airfield.
- 241123 to 241128.** SACCHARUM OFFICINARUM L. **Sugarcane.**
 241123. Col. No. 256. 'Muumu'. Epo airfield.
 241124. Col. No. 257. 'Oe'. Epo. Mekio.
 241125. Col. No. 258. 'Kipili'. Epo.
 241126. Col. No. 259. 'Egepio'. Epo.
 241127. Col. No. 260. 'Imau-opo'. Epo.
 241128. Col. No. 262. 'Gobe'. Popondetta.
- 241129 and 241130.** SACCHARUM ROBUSTUM Brandes & Jesw.
 241129. Col. No. 255. Medio, Epo.
 241130. Col. No. 261. Popondetta. Not hairy.
- 241131.** (Undetermined.)
 Col. No. 835. Popondetta.
- 241132 and 241133.** SACCHARUM OFFICINARUM L. **Sugarcane.**
 241132. Col. No. 253. Kerevat.
 241133. Col. No. 254. Bitagunan, near Kerevat.
- 241134 to 241136.** SACCHARUM SPONTANEUM L.
 241134. Col. No. 831. Epo. Typical, but largest seen.
 241135. Col. No. 832. Epo, near airfield. Typical of great mass of plants. Very abundant.
 241136. Col. No. 835. Popondetta. In grassy plains on sandy well-drained areas.
- 241137.** SACCHARUM sp.
 Col. No. 833. Epo. One large patch, late flowering, somewhat intermediate between *Saccharum spontaneum* and *Saccharum robustum*.
- 241138 to 241166.**
 From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 8, 1957. Cuttings unless otherwise noted.
 Jardin Botanique, "Les Cedres", St. Jean, Cap Ferrat, Alpes Maritimes.
- 241138.** ARISAEMA FARGESII Buchet Araceae.
 Col. No. 4856. Thick rhizomatous perennial; leaves deeply 3-lobed on the flowering stalks. (Plant.)
- 241139.** BEGONIA FUSCA Klotzsch Begoniaceae.
 Col. No. 4857. 'Maculata'. (Cuttings.)
- 241140.** BEGONIA SCHARFFII Hook. f.
 Col. No. 4854. Rhizomatous; leaves produce offsets from the veins.
- 241141.** BEGONIA sp.
 Col. No. 4853. Apparently a 'Rex' begonia, but unlike most of this group.

241138 to 241166—Continued

241142. *BEGONIA* sp.

Col. No. 4863. 'Monsieur Moneyron'. (Leaves.)

241143. *CAREX MORROWII* Boott Cyperaceae.

Morrow sedge.

Col. No. 4852. Tufted perennial; leaves to 1 foot long, grasslike, white-margined. (Plant.)

241144. *CISSUS CIRRHOSA* (Thunb.) Pers. Vitaceae.

Col. No. 4782. Rampant climber with tendrils; leaves rather fleshy; flowers very small. (Plant.)

241145. *GREVILLEA ROSMARINIFOLIA* A. Cunn. Proteaceae.

Col. No. 4849. Evergreen shrub to 5 feet high; leaves narrow.

241146. *HEDYCHUM CORONARIUM* × *H. GREENII* Zingiberaceae.

Col. No. 4818. (Rhizome and plant.)

241147. *HEDYCHUM GREENII* W. W. Smith.

Col. No. 4814. Plant rhizomatous, to 6 feet high; leaves hairy; flowers yellow, streaked red. (Plant.)

241148. *IODINA RHOMBIFOLIA* Hook. & Arn. ex Reissek Santalaceae.

Col. No. 4851. Low, much-branched evergreen shrub; leaves prickly, hollylike; fruit with a white fleshy aril.

241149. *MELOTHRIA HEDERACEA* Cogn. Cucurbitaceae.

Col. No. 4824. Weak-stemmed vine; leaves to 1 inch wide, very thick, succulent.

241150. *MUCUNA ATROPURPUREA* (Roxb.) DC. Fabaceae.

Col. No. 4793. Rampant climber to 50 feet long; inflorescence pendulous; flowers purplish. (Seed pods.)

241151. *NEMATANTHUS LONGIPES* DC. Gesneriaceae.

Col. No. 4847. Erect perennial, often shrubby; flowers scarlet.

241152. *OREOPANAX ECHINOPS* (Schl. & Cham.) Decne. & Planch. Araliaceae.

Col. No. 4865. Evergreen tree to 20 feet high; leaves digitately 3-foliolate, hairy.

241153. *OREOPANAX XALAPENSE* (H.B.K.) Decne. & Planch.

Col. No. 4866. Large evergreen bush; leaves dull; flowers greenish.

241154. *PELARGONIUM SALMONEUM* R. A. Dyer. Geraniaceae.

Col. No. 4860. Flowers pink.

241155. *PEPEROMIA BREVIPES* C. DC. Piperaceae.

Col. No. 4838. Plant prostrate; leaves 0.25 inch long.

241156. *PHILODENDRON* sp. Araceae.

Col. No. 4848.

241157. *PHILODENDRON LONGIPETIOLATUM* Engl.

Col. No. 4864. (Plant.)

241158. *PIPER KADZURA* (Choisy) Ohwi Piperaceae.

Col. No. 4859. Rampant evergreen climber.

241159. *SALVIA COCCINEA* Jacq. Menthaceae.

Sage.

Col. No. 4861. Rhizomatous perennial; flowers scarlet.

241160. *SCILLA PAUCIFOLIA* Baker Liliaceae.

Col. No. 4846. Plant; leaves pale green, spotted; flowers greenish. (Bulbs.)

241138 to 241166—Continued

241161. *SCILLA VIOLACEA* Hatch.

Col. No. 4812. (Bulbs.)

241162. *SCHIZOCENTRON ELEGANS* (Schlecht.) Meisner Melastomataceae.

Col. No. 4836. (Plant.)

241163. *STROBILANTHES GLOMERATUS* (Nees) T. Anders. Acanthaceae.

Col. No. 4862. Perennial; leaves soft-pubescent, green above, lighter below.

241164. *THUNBERGIA CORDATA* Colla Acanthaceae.

Col. No. 4855. Vigorous vine; flower 3 inches across, indigo blue.

241165. *TREVASIA PALMATA* Vis. Araliaceae.

Col. No. 4850. Small evergreen tree; leaves demorphic; juvenile leaves digitately divided. (Plant.)

241166. *WOODWARDIA RADICANS* (L.) J. E. Sm. Polypodiaceae.

Col. No. 4858. Plant robust; leaves leathery; buds viviparous, formed on the fronds; fronds to 4 feet long. (Leaves.)

241167. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit Mimosaceae.

Leadtree.

From the Philippines. Seeds presented by the Bureau of Forestry, Manila. Received July 8, 1957.

241168 to 241201. *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**

From the United States. Plants growing at the United States Plant Introduction Garden, Coconut Grove, Florida. Numbered July 9, 1957.

(Clones, of Mexican origin, collected in Guatemala in March 1947, by E. P. Imle, at the Rubber-Cacao Station, Cuyontenango, Suchitepeques.) Yields are in kilos of dry seeds per tree per year taken on mother trees. The budwood was cut on April 27, 1955, at Finca "La Rioja", Tapachula, Chiapas, Mexico, except for clones 113-R and 117-R which were obtained from the Mexican Cacao Experiment Station, Tapachula.

- 241168.** 15794 9-R. Over 10 kg.
- 241169.** 15810 75-R. Over 9 kg.
- 241170.** 15817 106-R. Over 9 kg.
- 241171.** 15819 117-R. Over 9 kg.
- 241172.** 15812 78-R. Over 8 kg.
- 241173.** 15797 15-R. Over 8 kg.
- 241174.** 15815 101-R. Over 8 kg.
- 241175.** 15792 6-R. Over 8 kg.
- 241176.** 15799 23-R. Over 8 kg.
- 241177.** 15816 105-R. Over 8 kg.
- 241178.** 15795 10-R. Over 8 kg.
- 241179.** 15818 113-R. Over 7 kg.
- 241180.** 15798 19-R. Over 7 kg.
- 241181.** 15814 100-R. Over 7 kg.
- 241182.** 15808 56-R. Over 7 kg.
- 241183.** 15807 52-R. Over 7 kg.
- 241184.** 15793 8-R. Over 7 kg.
- 241185.** 15785 8-P. Over 7 kg.
- 241186.** 15786 10-P. Over 7 kg.
- 241187.** 15788 22-P. Over 7 kg.

241168 to 241201—Continued

241188. 15789 23-P. Over 7 kg.
 241189. 15790 43-P. Over 7 kg.
 241190. 15791 2-R. Over 6 kg.
 241191. 15809 71-R. Over 6 kg.
 241192. 15805 44-R. Over 6 kg.
 241193. 15800 24-R. Over 6 kg.
 241194. 15796 13-R. Over 6 kg.
 241195. 15801 30-R. Over 6 kg.
 241196. 15811 76-R. Over 6 kg.
 241197. 15803 39-R. Over 6 kg.
 241198. 15802 34-R. Over 6 kg.
 241199. 15806 48-R. Under 6 kg.
 241200. 15804 41-R. Under 6 kg.
 241201. 15787 21-P. Under 6 kg.

241202 to 241269.

From France, unless otherwise noted. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 9, 1957.

241202. *ARDISIA HUMILIS* Vahl Myrsinaceae.

Col. No. 4085. (No field note.) Italy.

241203. *CONIOGRAMME JAPONICA* Hayata Polypodiaceae.

Col. No. 4084. Greenhouse, Botanical Garden, University of Genoa, Italy. Fern; leaves bi-pinnate, leathery, shiny above.

241204. *HYPOESTES SANGUIOLENTA* Hook. Acanthaceae.

Col. No. 4097. Perennial herb to 18 inches high; leaves green and mottled pink above; flowers rose pink. Italy.

241205. *IODINA RHOMBIFOLIA* Hook. & Arn. ex Reissek Santalaceae.

Col. No. 4851. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat. Low much-branched evergreen shrub; leaves prickly; fruit with a white fleshy aril.

241206. *IPOMOEA* × *HARDINGII* Paxt. Convolvulaceae.

Col. No. 4090. Italy. Tuberos-rooted twining perennial; leaves 3-lobed; flowers rose-purple with deep purple throat.

241207 to 241269. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat. (Cuttings.)

241207. *ACACIA PENDULA* A. Cunn. Mimosaceae.

Wattle.

Col. No. 4801. Branches pendulous; leaves and branches silvery.

241208. *ACACIA DEALBATA* Link

Silver wattle.

Col. No. 4797. 'Mirandale'. Small evergreen tree; leaves more finely divided than in the common type.

241209. *BARNARDESIA SPINOSA* L. f. Asteraceae.

Col. No. 4783. Spiny evergreen shrub; leaves dark green, lustrous, fleshy.

241210. *BEGONIA ACETOSA* Vell. Begoniaceae.

Col. No. 4825. Perennial; leaves to 6 inches long, bronze-green above, lustrous, reddish below.

241202 to 241269—Continued**241207 to 241269—Continued****241211.** *BEGONIA BARKERI* Knowl. & Weste.

Col. No. 4832.

241212. *BEGONIA* (hybrid).Col. No. 4820. (*B. cathayana* × *B. imperialis*).**241213.** *BEGONIA CONVULVULACEA* A. DC.

Col. No. 4835. Bush; aerial roots to 6 inches long; leaves to 6 inches wide, dark green; flowers white.

241214. *BEGONIA GIGANTEA* Wall.

Col. No. 4823. Rhizomatous plant to 24 inches high; stems robust; leaves oblique, deep green above.

241215. *BEGONIA HERBACEA* Vell.

Col. No. 4839.

241216. *BEGONIA MEXICANA* Karst. & C. Cheval.

Col. No. 4830.

241217. *BEGONIA MASONIANA* Irmscher

Col. No. 4816. Leaves hairy, light green, blackish along the main veins.

241218. *BEGONIA SERRATIPETALA* Irmscher

Col. No. 4826. Fibrous-rooted perennial, much-branched from base; leaves to 4 inches long, undulate crispate, deep bronze green above.

241219. *BEGONIA VENUSTA* King

Col. No. 4806. (Plant.)

241220. *BEGONIA* sp.

Col. No. 4834. 'General Jacques'.

241221. *BUDDLEIA FALLOWIANA* Balf. f. & W. W. Smith Loganiaceae.

Col. No. 4789. Shrub to 5 feet high; leaves lanceolate-acuminate and tomentose; flowers rose-purple with orange eye.

241222. *CENTRADENIA GRANDIFOLIA* Endl. Melastomataceae.

Col. No. 4837. Subshrub to 2 feet high; branches 4-angled; leaves bright red beneath; flowers rose-pink.

241223. *KOPSIA FRUTICOSA* (L.) A. DC. Apocynaceae.

Col. No. 4810. Evergreen shrub; leaves obovate, to 8 inches long; flowers deep pink.

241224. *CORDYLINE* sp. Liliaceae.

Col. No. 4792. Small evergreen tree; leaves uniformly reddish.

241225. *CORDYLINE STRICTA* Endl.

Col. No. 4791. Large evergreen shrub; leaves to 2 feet long 1.25 inches wide; flowers lilac to blue.

241226. *CULCASIA SCANDENS* Beauv. Araceae.

Col. No. 4829. Vine to 50 feet long; leaves evergreen to 10 inches long.

241227. *PEPEROMIA* sp. Piperaceae.

Col. No. 4833.

241228. *DIEFFENBACHIA* × *MEMORIA-CORSII* Fenzi Araceae.

Col. No. 4834.

241202 to 241269—Continued**241207 to 241269—Continued**

- 241229.** *ADENANDRA UMBELLATA* Willd. Rutaceae.
Col. No. 4803. Low evergreen shrub; leaves small.
- 241230.** *DISCHIDIA BENGALENSIS* Colebr. Asclepiadaceae.
Col. No. 4819. Succulent-leaved epiphyte; flowers inconspicuous.
- 241231.** *DISCHIDIA SAGITTATA* (Bl.) Decne.
Col. No. 3835.
- 241232.** *DISCHIDIA SAGITTATA* (Bl.) Decne.
Col. No. 4835.
- 241233.** *FICUS PUMILA* L. Moraceae.
Col. No. 4784. 'Variegata'. Creeping evergreen shrub; foliage variegated white.
- 241234.** *GREYA SUTHERLANDII* Hook. & Harv. Melianthaceae.
Col. No. 4804. Evergreen shrub; much-branched; leaves broadly ovate, resemble a *Pelargonium*.
- 241235.** *HEDYCHIUM DENSIFLORUM* Wall. Zingiberaceae.
Col. No. 4815. (Plant).
- 241236.** *HEDYCHIUM GREENII* W. W. Smith.
Col. No. 4814. Rhizomatous plant to 6 inches high; leaves hairy; flowers yellow, streaked red. (Plant.)
- 241237.** *HEDYCHIUM CORONARIUM* × *H. GREENII*
Col. No. 4818. (Plant.)
- 241238.** *HELICHRYSUM SEROTINUM* Boiss. Asteraceae.
Col. No. 4798. Much-branched at base; leaves gray tomentose, inflorescence yellow.
- 241239.** *HEPTAPLEURUM* sp. Araliaceae.
Col. No. 4794. Small evergreen tree to 20 feet high.
- 241240.** *HIPPOBROMUS ALATUS* Eckl. & Zeyr. Sapindaceae.
Col. No. 4790. Tree to 20 feet high; leaves pinnately divided; foliage quite striking.
- 241241.** *HOYA ANGUSTIFOLIA* Traill Asclepiadaceae.
Col. No. 4831. Scrambling; leaves to 3 inches long, lanceolate, fleshy; flowers pinkish white.
- 241242.** *HOYA GLOBULOSA* Hook. f. **Wax plant.**
Col. No. 4836.
- 241243.** *HOYA OBOVATA* Decne.
Col. No. 4840. Leaves thick, fleshy, obcordate; unusual leafy.
- 241244.** *IMPATIENS REPENS* Moon Impatiensaceae.
Col. No. 4811. Succulent-stemmed perennial, reddish green; flowers bright yellow.
- 241245.** *JASMINUM POLYANTHUM* Franch. Oleaceae.
Col. No. 4796. Strong growing evergreen scrambler; flowers white to pinkish; fragrant.
- 241246.** *LEPTOSPERMUM* sp. Myrtaceae.
Col. No. 4799. Evergreen shrub, nearly prostrate; flowers pink.

241202 to 241269—Continued**241207 to 241269—Continued**

- 241247.** *MARCGRAVIA PICTA* Willd. Marcgraviaceae.
Col. No. 4817.
- 241248.** *MELOTHRIA HEDERACEA* Cogn. Cucurbitaceae.
Col. No. 4824. Vine; leaves ivy-shaped, to 1 inch wide, very thick.
- 241249.** *MITRARIA COCCINEA* Cav. Gesneriaceae.
Col. No. 4802. Creeping evergreen shrub; flowers pendulous, orange-red.
- 241250.** *NOTHOPANAX DAVIDII* (Franch.) Harms Araliaceae.
Col. No. 4813. Evergreen shrub to 8 feet high. (Plant.)
- 241251.** *NOTHOPANAX LAETUS* Cheesem.
Col. No. 4785. Evergreen shrub; leaves lustrous.
- 241252.** *OREOPANAX FLORIBUNDUM* (H.B.K.) Decne. & Planch. Araliaceae.
Col. No. 4786. Large branched evergreen, shrub to small tree; leaves digitately divided and leathery.
- 241253.** *PASSIFLORA CORIACEA* Juss. Passifloraceae.
Col. No. 4808. Vine; flowers greenish.
- 241254.** *PASSIFLORA SUBEROSA* L. **Cork passionflower.**
Col. No. 4807. Vine; flowers greenish; fruit black. (Plant.)
- 241255.** *PELLIONIA* sp. Urticaceae.
Col. No. 4842. 'Argentea'.
- 241256.** *PEPEROMIA PROSTRATA* Williams Piperaceae.
Col. No. 4833.
- 241257.** *PEPEROMIA RESEDAEFLORA* Linden & Andre
Col. No. 4827. Perennial to 6 inches high; stems succulent; leaves metallic, green above, glistening green below.
- 241258.** *NOTHOPANAX ARBOREUM* (Forst.) Seem. Araliaceae.
Col. No. 4805. Large evergreen shrub; leaves digitately divided.
- 241259.** *PSEUDOPANAX CRASSIFOLIUM* C. Koch Solanaceae.
Col. No. 4800. Strong evergreen shrub, leaves divided.
- 241260.** *SCHEFFLERA DELAVAYI* (Franch.) Harms Araliaceae.
Col. No. 4787. Small tree to 20 feet high; leaves digitately divided, tomentose.
- 241261.** *SCILLA SOCIALIS* Baker Liliaceae.
Col. No. 4822. 'Glesnevius'. (Bulb.)
- 241262.** *HETEROCENTRON ELEGANS* (Schl.) Kuntze Melastomataceae.
Col. No. 4836. Perennial; flowers deep purple.
- 241263.** *SPATHICARPA SAGGITIFOLIA* Schott Araliaceae.
Col. No. 4828. (Plant.)
- 241264.** *STROPHANTHUS SPECIOSUS* (Ward & Harv.) Reber Apocynaceae.
Col. No. 4809. Large evergreen shrub; leaves shiny lanceolate acuminate; flowers chartreuse, rim of cup, orange.
- 241265.** *TECOMARIA CAPENSIS* (Thunb.) Spach Bignoniaceae.
Cape-honeysuckle.
Col. No. 4788. Scrambling shrub; flowers orange-scarlet. (Plants.)

241202 to 241269—Continued**241207 to 241269—Continued**

241266. *TETRASTIGMA VOINIERIANUM* (Balt.) Pierre ex Pitard Vitaceae.

Col. No. 4795. Climbing strong evergreen vine to 30 feet long with tendrils; leaves leathery.

241267. *TRADESCANTIA FUSCATA* Lodd. Commelianaceae.

Col. No. 4821. Stems brown-hairy; leaves to 8 inches long; flowers blue. (Plant.)

241268. *TRICHOSPORUM BRACTEATUM* (Wall.) Kuntze Gesneriaceae.

Col. No. 4838.

241269. (Undetermined.)

Col. No. 35. (No field note.)

241270. *CHLORIS GAYANA* Kunth Poaceae. **Rhodesgrass.**

From Uganda. Seeds presented by C. R. Horrell, Department of Agriculture, Serere Experiment Station, Soroti. Received July 10, 1957.

'Teso'.

241271 to 241276.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 10, 1957.

Collected in California.

241271 to 241274. Murrieta.

241271. *LUPINUS* sp. Fabaceae.

Col. No. 16686. Elevation 1200 feet. Tall annual herb with spreading top; flowers lavender.

241272. *LUPINUS* sp.

Col. No. 16692. Elevation 1400 feet. Annual herb; flowers pale-lavender.

241273 and 241274. *MELICA IMPERFECTA* Trin. Poaceae.

241273. Col. No. 16690. Elevation 1400 feet. Perennial bunchgrass; blades green.

241274. Col. No. 16691. Elevation 1400 feet. On land ungrazed for 50 years.

241275. *STIPA SPECIOSA* Trin. & Rupr. Poaceae. **Desert needlegrass.**

Col. No. 16696. Aguanga. Elevation 2400 feet. Tough perennial bunchgrass.

241276. *STIPA* sp.

Col. No. 16689. Murrieta. Elevation 1400 feet. Vigorous perennial; blades thin.

241277 and 241278.

From Mexico. Collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 10, 1957.

241277. *LOMATIUM LUCIDUM* (Nutt.) Jepson Apiaceae.

Col. No. 16729. Chuchupate. Valle de la Trinidad, Baja California. (Roots.)

241278. *DUDLEYA* sp. Crassulaceae.

Col. No. 16707. East of Rosario, Baja California. Single ashy white rosettes with ashy circinate panicle; flowers red.

241279 to 241292. SECALE CEREALE L. Poaceae.

Rye.

From Brazil. Seeds presented by the Secretaria da Agricultura, Instituto Agronomico de Sao Paulo, Campinas, Sao Paulo.

241279. No. 38.	241286. No. 45.
241280. No. 39.	241287. No. 46.
241281. No. 40.	241288. No. 47.
241282. No. 41.	241289. No. 48.
241283. No. 42.	241290. No. 49.
241284. No. 43.	241291. No. 50.
241285. No. 44.	241292. No. 51.

241293 to 241304.

From France. Collected by F. G. Myer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 11, 1957.

Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, Alpes Maritimes.

241293. BEGONIA MANICATA Cels Begoniaceae.

Col. No. 4867. 'Variegata'. Petioles 6 inches long; leaves spotted white. (Leaf.)

241294. CYPERUS ALTERNIFOLIUS L. Cyperaceae.

Col. No. 4872. 'Gracilis'. Plant to 12 inches high. (Cuttings.)

241295. EUGENIA GUABIJU Berg Myrtaceae.

Col. No. 4938. Small evergreen tree, round-headed; leaves shiny ovate. (Cuttings.)

241296 and 241297. GAZANIA (hybrids). Asteraceae.

241296. Col. No. 4871. Much-branched perennial; leaves white tomentose below; flowers yellow with a black eye. (Cuttings.)

241297. Col. No. 4871. (Seeds.)

241298 and 241299. GAZANIA X SPLENDENS Henderson Asteraceae.

241298. Col. No. 4873. Essentially acaulescent perennial; leaves green above, silvery beneath; flowers clear yellow to base. (Cuttings.)

241299. Col. No. 4873. (Seeds.)

241300. MAURANDIA ERUBESCENS (D. Don) A. Gray Scrophulariaceae.

Col. No. 4937. Scrambling perennial; leaves pubescent; flowers tubular rose-pink. (Seeds.)

241301. NEPTUNIA PROSTRATA (Lam.) Baill. Mimosaceae.

Col. No. 4868. Annual; stems spongy white; leaves sensitive to the touch. Grown in shallow water. (Cuttings.)

241302. PELARGONIUM CAYLAE Humbert Geraniaceae.

Col. No. 4869. Perennial to 24 inches high. (Cuttings.)

241303. PELARGONIUM SALMONEUM R. A. Dyer

Col. No. 4860. Leaves green; flowers delicate pink, single. (Cuttings.)

241304. LIGUSTRUM SEMPERVIRENS (Franch.) Lingels. Oleaceae.

Col. No. 4870. Evergreen shrub to 6 inches high, spreading; flowers white, short, tubular, and fragrant. (Cuttings.)

241305. PRUNUS PERSICA var. NECTARINA (Ait.) Maxim.

Amygdalaceae.

Nectarine.

From Tunisia. Budsticks presented by the Director of Botany Service, Ariana. Received July 11, 1957.

'Birzgane'.

241306 and 241307. *ANGELICA ATROPURPUREA* L. **Apiaceae.**

From the United States. Seeds presented by C. F. Reed, Winstead, Connecticut. Received July 11, 1957.

241306. No. 57-63.

241307. No. 57-64.

241308. *EUGENIA CARYOPHYLLATA* Thunb. **Myrtaceae.** **Clove.**

From Trinidad and Tobago. Seeds presented by the Director of Agriculture, St. Augustine Station. Received July 15, 1957.

241309. *PRUNUS PERSICA* (L.) Batsch **Amygdalaceae.** **Peach.**

From France. Budsticks presented by Station de Recherches, Viticoles and d'Arboreiculture Fruitiere, Pont-de-la-Maye, Gironde. Received July 15, 1957.

'Uneeda'.

241310 to 241317.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 15, 1957.

Garden of Major Lawrence Johnston, Serre de la Modone, Val du Gorbio, Menton, Alpes Maritimes.

241310. *BANKSIA INTEGRIFOLIA* L. f. **Proteaceae.**

Col. No. 4949. Small evergreen tree; leaves silvery beneath, green above; juvenile leaves strongly serrate.

241311. *DECUMARIA SINENSIS* Oliver **Hydrangeaceae.**

Col. No. 4950. Creeping woody evergreen shrub; flowers white.

241312. *HEDERA CHRYSOCARPA* Walsh **Araliaceae.** **Caucasian ivy.**

Col. No. 4951. Scrambling evergreen shrub; fruit yellow.

241313. *HIBISCUS SYRIACUS* L. **Malvaceae.** **Shrub-althea.**

Col. No. 4948. Deciduous shrub; flowers white.

241314 to 241316. *NERIUM OLEANDER* L. **Apocynaceae.** **Oleander.**

241314. Col. No. 4942. Flowers yellow, suffused pink.

241315. Col. No. 4943. Flowers yellow at the base, petals white to off-yellow.

241316. Col. No. 4944. 'Rubra'. Flowers carmen-red, semidouble.

241317. (Undetermined.)

Col. No. 4947. Deciduous tree to 20 feet high; flowers white.

241318. (Undetermined.) **Brassicaceae.**

From Mexico. Seed collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 10, 1957.

Col. No. 16736. San Vicente, Baja California.

241319 to 241339.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 16, 1957.

241319. *ARBUTUS ANDRACHNE* L. **Ericaceae.**

Col. No. 4968. Villa Thuret, Cap-de Antibes. Small evergreen tree, branched from the base. (Cuttings.)

241319 to 241339—Continued**241320.** *CISTUS VILLOSUS* L. Cistaceae.**Rockrose**

Col. No. 4966. Nursery of Herve Fautrelle, Golfe-Juan. Evergreen shrub; leaves pubescent; flowers rose-pink. (Cuttings.)

241321. *CORIARIA MYRTIFOLIA* L. Coriariaceae.**Myrtle coriaria.**

Col. No. 4941. On mountain slopes, Cal de Catillon, Menton. Sprawling shrub; leaves myrtus-like; flowers inconspicuous; fruit black and fleshy. (Fruits.)

241322. *ERYTHRINA* sp. Fabaceae.

Col. No. 4946. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, Menton. Small tree with arching branches; flowers scarlet. (Cuttings.)

241323 to 241325. Villa Thuret, Cap-de Antibes.**241323.** *GARRYA* × *THURETII* Carr Cornaceae.

Col. No. 4971. Small evergreen tree to 15 feet high. (Cuttings.)

241324 and 241325. *ILEX* × *ALTACLARENSIS* Dallim. Aquifoliaceae. **Holly.****241324.** Col. No. 4969. 'Wilsonii'. Small evergreen tree; leaves dark green, lustrous, broadly ovate, spine-tipped, nearly flat; berries red. (Cuttings.)**241325.** Col. No. 4970. 'Wilsonii'. Small evergreen tree; leaves dark green, lustrous, broadly ovate, spine-tipped, nearly flat; berries red. (Cuttings.)**241326.** *KALANCHOE* sp. Crassulaceae.

Col. No. 4954. Jardin Botanique, Lew Cedres, St. Jean, Cap Ferrat. (Seeds.)

241327. *LITHOSPERMUM FRUTICOSUM* L. Boraginaceae.

Col. No. 4962. 'Rosmarinifolium'. Nursery of T. Fisch, Vallauris. Subshrub to 12 inches high; leaves rosemary-like; flowers bright blue. (Cuttings.)

241328. *MAHONIA SIAMENSIS* Takeda Berberidaceae.

Col. No. 4945. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, Menton. Evergreen shrub to 10 feet high; much-branched; leaves pinnate. (Cuttings.)

241329 to 241334. *NERIUM OLEANDER* L. Apocynaceae.**Oleander.****241329 to 241332.** Nursery of T. Fisch, Vallauris.**241329.** Col. No. 4957. 'Rosso Sangue'. An Italian cultivar; flowers blood-red, single. (Cuttings.)**241330.** Col. No. 4958. 'Carmine'. Flowers deep-carmine.**241331.** Col. No. 4959. 'Burgundy'. An Italian cultivar; flowers burgundy-red.**241332.** Col. No. 4960. Flowers semi-double, rose-pink.**241333 and 241334.** Nursery of Herve Fautrelle, Golfe-Juan.**241333.** Col. No. 4965. Flowers light yellow, single. (Cuttings.)**241334.** Col. No. 4967. 'Alba'. Flowers pure white, opening flat.**241335.** *PODRANEA RICASOLIANA* (Tanf.) Sprag. Bignoniaceae.**Ricasol pandorea.**

Col. No. 4961. Nursery of T. Fisch, Vallauris. Vigorous climber; flowers pink, striped-red.

241336. *POLYGALA NICAENSIS* Risso Polygalaceae.

Col. No. 4953. Cal de Braus, Alpes Maritime above Menton. Elevation 3,000 feet. Tufted perennial, spreading; flowers azure blue. (Seeds.)

241319 to 241339—Continued

241337. *RHODODENDRON FERRUGINEUM* L. Ericaceae. **Rock rhododendron.**

Col. No. 4939. On north slope, above Turivi, Alpes Maritime Evergreen shrub to 4 feet high; flowers deep pink to rose. (Seeds.)

241338. *ROSMARINUS OFFICINALIS* L. Menthaceae. **Rosemary.**

Col. No. 4963. 'Corsica'. Nursery of T. Fisch, Vallauris. Semi erect shrub; branches pendulous; flowers dark blue. (Cuttings.)

241339. *TRACHELOSPERMUM JASMINOIDES* Lem. Apocynaceae.

Col. No. 4964. 'Nanus'. Nursery of the T. Fisch, Vallauris. Low spreading evergreen shrub to 14 inches high. (Cuttings.)

241340. *MUSA* sp. Musaceae.

From Venezuela. Seed presented by Agricultural Attache, Caracas. Collected by Henrique Sanabria, Quacara, Carabobo. Received Sept. 9, 1957.

241341 to 241348.

From the United States. Seeds held at the U.S. Plant Introduction Garden, Glenn Dale, Maryland. Received July 16, 1957.

A collection of drug plant seeds received from the Tobacco and Special Crop Section. Localities given are the original sources of the material.

241341. *ATROPA BELLADONNA* L. Solanaceae. **Belladonna.**

(Source unknown.)

241342. *CHRYSANTHEMUM CINERARIAEFOLIUM* (Trevir.) Vis. Asteraceae.

(Source unknown.)

241343. *DIGITALIS LANATA* Ehrh. Scrophulariaceae.

(Source unknown.)

241344 to 241346. *DIGITALIS PURPUREA* L. **Common foxglove.**

241344. (Source unknown.)

241345. Chehalis, Wash.

241346. Oregon.

241347 and 241348. *TEPHROSIA VOGELII* Hook. f. Fabaceae.

241347. Mayaguez, Puerto Rico.

241348. Guatemala.

241349 to 241361.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 17, 1957. Cuttings unless otherwise noted.

241349. *ACACIA HOWITTHI* F. Muell. Mimosaceae.

Col. No. 4975. 'Clair de Lune'. Nursery of G. B. Dental, Golfe-Juan. Tree to 20 feet high; leaves soft, linear; flowers yellow; reddish tinged foliage.

241350 to 241352. Villa Thuret, Boulevard du Cap, Antibes.

241350. *ADENOCARPUS ANAGYRIFOLIUS* Coss. & Bal. Fabaceae.

Col. No. 4977. Shrub to 7 feet high; leaves trifoliate, glaucous; flowers yellow.

241351. *ARBUTUS GLANDULOSA* Mart. & Gal. Ericaceae.

Col. No. 4982. Hardy evergreen tree; leaves glandular, hairy.

241352. *BAILLONIA* sp. Verbenaceae.

Col. No. 4976. Evergreen shrub; leaves ligustrum shaped; flowers racemose, lavender.

241349 to 241361—Continued

241353. *CANTUA BUXIFOLIA* Lam. Polemoniaceae.

Col. No. 4985. La Mortala Garden at Villa Hanbury, near Ventimiglia. Evergreen shrub; branches arching; flowers pendulous tubular, purplish-red, tube-striped yellow. (Seeds.)

241354. *HOLBOELLIA LATIFOLIA* Wall. Lardizabalaceae.

Col. No. 4981. Villa Thuret, Boulevard du Cap, Antibes. Hardy, vigorous evergreen shrub, scrambling climber; leaves coriaceous, ternate; fruit fleshy.

241355. *JACOBINIA SUBERECTA* Andre Acanthaceae.

Col. No. 4972. Nursery of G. B. Dental, Golfe-Juan. Perennial herb; leaves densely tomentose ovate; flowers orange-red.

241356. *PACHYSTROMA LONGIFOLIUM* (Nees) I. M. Johnst. Euphorbiaceae.

Col. No. 4978. Villa Thuret, Boulevard du Cap, Antibes. Evergreen tree; leaves large hollylike.

241357. *LITHOSPERMUM FRUTICOSUM* L. Boraginaceae.

Col. No. 4974. 'Rosmarinifolium'. Nursery of G. B. Dental, Golfe-Juan. Erect subshrub, spreading suffruticose; leaves rosemarylike; flowers blue.

241358. *PITOSPORUM CORIACEUM* Ait. Pittosporaceae.

Col. No. 4980. Villa Thuret, Boulevard du Cap, Antibes. Evergreen tree to 50 feet high; branches spreading.

241359 and 241360. Nursery of G. B. Dental, Golfe-Juan.

241359. *SENECIO SAXIFRAGOIDES* Hook. f. Asteraceae.

Col. No. 4983. Herbaceous perennial; branches decumbent; flowers yellow. (Seeds.)

241360. *TRACHELOSPERMUM JASMINOIDES* Lem. Apocynaceae.

Col. No. 4973. Stiff, erect creeping evergreen shrub; flowering sparsely.

241361. (Undetermined.) Bignoniaceae.

Col. No. 4979. Villa Thuret, Boulevard du Cap, Antibes. Deciduous tree to 50 feet high; leaves pinnate, fernlike appearance; flowers tubular, cream-yellow.

241362 to 241371. *RICINUS COMMUNIS* L. Euphorbiaceae.

Castorbean.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas. Received July 17, 1957.

241362. No. 374.	241367. No. 382.
241363. No. 375.	241368. No. 383.
241364. No. 376.	241369. No. 387.
241365. No. 379.	241370. No. 388.
241366. No. 380.	241371. No. 397.

241372. *ORYZA SATIVA* L. Poaceae.

Rice.

From Ecuador. Seeds presented by G. A. Gonzalez, Pilador Modelo, Guayaquil. Received July 17, 1957.

No. 583.

241373. *BUTIA YATAY* (Mart.) Becc. Phoenicaceae.

From Argentina. Seeds presented by the Division de Exploracions e Introduccions de Plantas, Rivadavia, Buenos Aires. Received July 17, 1957.

241374 to 241377.

From Ethiopia. Seeds presented by Coffee Production Advisor, United States Operations Mission, Addis Ababa. Received July 18, 1957.

241374. ALBIZZIA sp. Mimosaceae.

No. 1.

241375. ALBIZZIA sp.

No. 2. Tree to 75 feet high; well-branched, providing excellent shade.

241376. JUNIPERUS PROCERA Hochst. ex Endl. Pinaceae.

East African juniper.

Tree to 120 feet high; wood red to brown; aromatic, fine and straight grained. Local name: Tidh.

241377. PODOCARPUS GRACILIOR Pilg. Taxaceae.

Tree to 130 feet high; wood white to yellow; fibers stringy, tough, sometimes twisted; not resinous or aromatic. Local name: Zigba.

241378. HYPARRHENIA RUFA (Nees) Stapf Poaceae. **Jaragua.**

From Panama. Seeds presented by the Servicio, Interamericano de Cooperacion. Received July 18, 1957.

241379 to 241385.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 19, 1957. Cuttings, unless otherwise noted.

241379. BOSEA AMHERSTIANA Hook. f. Amaranthaceae.

Col. No. 4989. 'Variegata'. Stazione Sperimentali di Floricoltura, San Remo. Shrub; leaves variegated; flowers small.

241380. CISTUS sp. Cistaceae.

Col. No. 4987. La Mortola, Villa Hanbury, near Ventimiglia. Evergreen shrub; flowers pink with a dark eye.

241381 to 241385. Greenhouse, Stazione Sperimentale di Floricoltura, San Remo.

241381 and 241382. CROSSANDRA NILOTICA Oliver Acanthaceae.

241381. Col. No. 4991. Perennial; leaves ovate, acuminate long petiole, and pubescent; flowers salmon red. (Plant.)

241382. Col. No. 4991. (Seed).

241383. HYPOESTES SANGUIOLENTA Hook. Acanthaceae.

Col. No. 4990. Perennial to 18 inches high; leaves velvet green, mottled pink above; flowers rose-pink.

241384. JACOBINIA SUBERECTA E. Andre Acanthaceae.

Col. No. 4996. Perennial to 18 inches high; leaves silvery tomentose; flowers orange-red, tubular.

241385. PODRANEA BRYCEI (N.E.Br.) Sprag. Bignoniaceae.

Col. No. 4988. Vigorous scrambling vine; flowers pink.

241386 and 241387.

From Libya. Seeds presented by an unknown donor. Received July 23, 1957.

241386. LOTUS sp. Fabaceae.

241387. LOTUS sp.

241388 to 241402.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 19, 1957.

241388 and 241389. Serre de la Madone, garden of Major Lawrence Johnston, Val du Gorbio, Menton.

241388. *MYSTROXYLON AETHIOPICUM* (Thunb.) Loes. Celastraceae.

Col. No. 5009. Evergreen shrub; leaves ovate to nearly orbicular, spine-tipped. Does not flower on the Riviera.

241389. *ELAEAGNUS PLUNGENS* Thunb. Elaeagnaceae. **Thorny elaeagnus.**

Col. No. 5012. Large evergreen shrub; leaves larger than most types.

241390. *GAZANIA* × *SPLENDENS* Henderson Asteraceae.

Col. No. 5001. 'Alba.' Garden of Villa Roquebrune, Cap Martin. Rhizomatous perennial; flowers white with black eye. (Plant.)

241391. *HIBISCUS SYRIACUS* L. Malvaceae. **Shrub-althea.**

Col. No. 5013. Serre de la Madone, garden of Major Lawrence Johnston, Val du Gorbio, Menton. Shrub; flowers pure white.

241392. *OREOPANAX CAPITATUM* (J. E. Smith) Decne. & Planch. Araliaceae.

Col. No. 4999. Garden of Villa Roquebrune, Cap Martin. Small evergreen tree forming an umbrella specimen; leaves long petiolate, drooping.

241393. *OSMANTHUS* sp. Oleaceae.

Col. No. 5011. Serre de la Madone, Val du Gorbio, garden of Major Lawrence Johnston, Menton. Small evergreen tree; flowers red.

241394 to 241400. Garden of Villa Roquebrune, Cap Martin.

241394. *PELARGONIUM ACETOSA* Soland. Geraniaceae.

Col. No. 5004. Much-branched perennial; woody stems; leaves glaucous, succulent; flowers single, pink, two lower petals striped red.

241395. *PELARGONIUM ACETOSA* Soland.

Col. No. 5004. (Seed.)

241396. *PELARGONIUM ZONALE* (L.) L'Her. **Horseshoe geranium**

Col. No. 4997. Flowers single, small, red.

241397. *PELARGONIUM* sp.

Col. No. 4998. Succulent perennial; stems triangular; flowers white, striped red at base of corolla lobes inside.

241398. *PELARGONIUM* sp.

Col. No. 5002. Perennial to 2 feet high; flowers single, salmon-pink.

241399. *PHAEDRANTHUS BUCCINATORIUS* (Maire) Miers Bignoniaceae.

Col. No. 5000. Vigorous vine, tendril bearing; flowers burgundy-red.

241400. *PRUNUS CERASIFERA* Ehrh. Amygdalaceae. **Myrobalan plum.**

Col. No. 5008. Foliage dark purple-red.

241401 and 241402. Serre de la Madone, Val du Gorbio. Garden of Major Lawrence Johnston, Menton.

241401. *SOLANUM RANTONNETII* Carr Solanaceae. **Paraguay nightshade.**

Col. No. 5005. Flowers deep purple.

241402. *TRACHELOSPERMUM JASMINOIDES* Lcm. Apocynaceae.

Col. No. 5010. Evergreen subshrub, variegated dwarf form.

241403 to 241410.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 22, 1957.

241403. *ACACIA CARDIOPHYLLA* A. Cunn. ex Benth Mimosaceae.

Col. No. 5022. Jardin Botanique, Les Cedres St. Jean, Cap Ferrat. Leaves fernlike.

241404. *ARISTOLOCHIA ELEGANS* X *A. GRANDIFLORA* Aristolochiaceae.

Col. No. 5017. La Leonina, Beaulieu-sur-Mer. Vigorous vine perennial; flowers brownish, whitish reticulate, opening quite flat, barely concave.

241405 to 241408. Jardin Bontanique, Les Cedres, St. Jean, Cap Ferrat.

241405. *GAZANIA X SPLENDENS* Henderson Asteraceae.

Col. No. 5019. Flowers deep orange, black eye.

241406. *GREVILLEA ASPLENIFOLIA* R. Br. Proteaceae.

Col. No. 5020. Much-branched small tree; drooping branches; leaves linear, serrate, silvery below, green above; flowers red-orange.

241407. *LARDIZABALA BITERNATA* Ruiz & Pav. Lardizabalaceae.

Col. No. 5018. Evergreen vine, vigorous climber; leaves lustrous, leathery.

241408. *LUEHEA DIVARICATA* Mart. Tiliaceae.

Col. No. 5021. Small deciduous tree; leaves silvery below, green above; flowers white.

241409 and 241410. La Leonina, Beaulieu-sur-Mer.

241409. *OREOPANAX FLORIBUNDUM* (H.B.K.) Decne. & Planch. Araliaceae.

Col. No. 5016. Much-branched tree to 30 feet high; leaves waxy above.

241410. *PHYMATIDIUM TILLANDSIODES* Barb.-Rodrig. Orchidaceae.

Col. No. 5015. Diminutive epiphyte to 3 inches high; flowers white.

241411. *HORDEUM* sp. Poaceae.

Barley.

From Argentina. Seeds presented by the Manfredi Experiment Station Cordoba. Received July 24, 1957.

241412 to 241414. *NICOTIANA TABACUM* L. Solanaceae.

Common tobacco.

From Argentina. Seeds presented by the Tobacco Division, Ministerio de Agricultura y Ganaderia, Salta. Received July 24, 1957.

241412. 'Criolla Saltono'; 'Hoya Parada'.

241413. 'Criolla Saltono'; 'Amarilinho'.

241414. 'Oriental Samsun'.

241415 to 241418. *PRUNUS ARMENICA* L. Amygdalaceae. **Apricot.**

From Austria. Scions presented by the Agricultural Attache, American Embassy, Vienna. Received July 23, 1957.

242415. 'Grobe Krensler'.

241416. 'Kremser Rosen'.

241417. 'Loschnig Marille'.

241418. 'Ungarische Beste'.

241419 to 241423.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 22, 1957.

241419 to 241423—Continued

241419 and 242420. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat.

241419. *CEROPEGIA BALLYANA* Bullock Asclepiadaceae.

Col. No. 5023. Rampant climber; leaves lustrous; flowers purple.

241420. *EUPHORBIA DELPHINENSIS* Ursch & Leandre Euphorbiaceae.

Col. No. 5031. Dwarf, spiny-stemmed perennial; leaves obovate; flowers white.

241421. *HOYA ANGUSTIFOLIA* Traill Asclepiadaceae.

Col. No. 5028. La Leonina, Beaulieu-sur-Mer. Scrambling twiner; leaves fleshy; flowers pinkish-white.

241422 and 241423. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat.

241422. *PELARGONIUM GLAUCUM* L'Herit. Geraniaceae.

Col. No. 5025. Much-branched, somewhat decumbent perennial; leaves glaucous; flowers small, yellow.

241423. *SONCHUS LEPTOCEPHALAS* Cass. Cichoriaceae.

Col. No. 5030. Perennial subshrub; leaves filiform.

241424. *GLYCINE MAX* (L.) Merr. Fabaceae.

Soybean.

From Japan. Seeds presented by the Kami-Nopporo Seed Nursery, Sapporo City Hokkaido. Received July 24, 1957.

241425 to 241461.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 24, 1957.

241425 and 241426. *CENCHRUS SETIGERUS* Vahl Poaceae.

241425. 'Purple Buffel'.

241426. No. 12599.

241427. *CENTROSEMA PUBESCENS* Benth. Fabaceae.

241428 and 241429. *DESMODIUM INTORTUM* (Mill.) Urban Fabaceae.

241428. No. 17916.

241429. No. 18010.

241430 and 241431. *DESMODIUM UNCINATUM* (Jacq.) DC.

241430. No. 11740.

241431. No. 8990.

241432 to 241435. *DOLICHOS LABLAB* L. Fabaceae.

Hyacinth-bean.

241432. No. 16880.

241434. No. 16882.

241433. No. 16881.

241435. No. 16883.

241436. *GLYCINE JAVANICA* L. Fabaceae.

No. 12600.

241437 to 241441. *INDIGOFERA ENDECAPHYLLA* Jacq. Fabaceae.

Creeping indigo.

241437. No. 14412.

241440. No. 16110.

241438. No. 15733.

241441. No. 18557.

241439. No. 16069.

241442. *MEDICAGO SATIVA* L. Fabaceae.

Hunter River.

Alfalfa.

241443. *MEDICAGO TRIBULOIDES* Desr.

241444. *PASPALUM SCROBICULATUM* L. Poaceae.

241425 to 241461—Continued

241445 and 241446. PENNISETUM CILIARE (L.) Link Poaceae. **Buffelgrass**

241445. No. 1848.

241446. 'Poultry Buffel'.

241447 to 241450. SETARIA SPHACELATA (Schum.) Stapf & C. E. Hubb. Poaceae.

241447. No. 14568.

241449. No. 16802.

241448. No. 16414.

241450. No. 17150.

241451. STYLOSANTHES LEIOCARPA Vogel Fabaceae.

No. 11498.

241452 to 241455. STYLOSANTHES GUYANENSIS (Aubl.) Sw.

241452. No. 5630.

241454. No. 11490.

241453. No. 9215.

241455. No. 11491.

241456. STYLOSANTHES JUNCEA Micheli

No. 11847.

241457. STYLOSANTHES MONTEVIDENSIS var. SUBVISCOSA Benth.

No. 11492.

241458. STYLOSANTHES SUNDAICA Taub.

241459. STYLOSANTHES sp.

No. 11899.

241460. TRIFOLIUM REPENS L. Fabaceae.

White clover.

241461. TRIFOLIUM SUBTERRANEUM L.

Subterranean clover.

241462 to 241465.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received July 25, 1957.

241462. ORYZA MEYERIANA (Zoll. & Mor.) Baill. Poaceae.

241463 to 241465. ORYZA SATIVA L.

Rice.

241463. 'Concejila'.

241465. T 2314.

241464. T 90.

241466 to 241474.

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 26, 1957. Cuttings unless otherwise noted.

241466. ALOCASIA MACRORHIZA (L.) Schott Araceae.

Col. No. 5039. 'Variegata'. Pinya de Rosa, Jardin de Aclimatacion, Blanes, Costa Brava, Province Gerona. Perennial; leaves to 5 feet long, blade variously mottled white and green. (Plants.)

241467. CNEORUM TRICOCCON L. Cneoraceae.

Col. No. 5044. Jardin Botanico, Blanes, Province Gerona. Evergreen shrub densely branched; leaves lustrous dark green; flowers yellow; fruit bright red at maturity. (Seeds.)

241468. CYTISUS LINIFOLIUS (L.) Lam. Fabaceae.

Broom.

Col. No. 5047. Jardin Botanico, Parque de Montjuich, Barcelona. Evergreen shrub to 4 feet high; leaves 3-foliolate, silvery; flowers bright yellow. Plant endemic of the Mediterranean coast.

241466 to 241474—Continued

241469 to 241471. Pinya de Rosa, Jardin de Aclimatacion, Blanes, Province Gerona.

241469. *PEPEROMIA OBTUSIFOLIA* A. Dietr. Piperaceae.

Col. No. 5040. 'Clusiifolia'. Succulent perennial; leaves bronze-green metallic.

241470. *PEPEROMIA MARMORATA* Hook. f.

Col. No. 5042. Perennial; leaves medium green above, light reddish beneath.

241471. *PEPEROMIA SCANDENS* Ruiz & Pav.

Col. No. 5041. Succulent stemmed perennial; leaves broadly ovate, variegated on the margin.

241472. *RHAGODIA NUTANS* R. Br. Chenopodiaceae.

Col. No. 5045. Jardin Botanico 'Marimurtra', Province Gerona, Blanes. Prostrate creeping perennial; stems suffrutescent; fruit orange; seed black. (Seeds.)

241473. *SOPHORA JAPONICA* L. Fabaceae.

Chinese scholartree.

Col. No. 5046. 'Dotiana'. Jardin Botanico, Parque de Montjuich, Barcelona. Tree; branches pendulous, tortuous; leaves cristate.

241474. *MAHONIA MORANENSIS* (Schult. & Schult. f.) I. M. Johnston Berberidaceae.

Col. No. 5038. Jardin des Plantes, University of Montpellier, France. Evergreen shrub; leaves spiny, leaflets relatively thin; fruit blue. (Seeds.)

241475 to 241481.

From Israel. Seeds presented by the Department of Agriculture, Crops and Fodder Section, Haifa. Received July 26, 1957.

241475 and 241476. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae.

Berseem.

241475. 'Fahli'.

241476. 'Musgawi'.

241477. *TRIFOLIUM CAMPESTRE* Schreb.

Clover.

241478. *TRIFOLIUM CLYPEATUM* L.

Clover.

241479. *TRIFOLIUM LAPPACEUM* L.

Lappa clover.

241480. *TRIFOLIUM PURPUREUM* Loisel.

241481. *TRIFOLIUM SPUMOSUM* L.

Clover.

241482 to 241486.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 29, 1957. Seeds unless otherwise noted.

La Mortola, Villa Hanbury, near Ventimiglia.

241482. *ACACIA PENDULA* A. Cunn. Mimosaceae.

Wattle.

Col. No. 4639. Branches pendulous; leaves and branches silvery.

241483. *CHASMANTHE AETHIOPICA* (L.) N.E. Br. Iridaceae.

Col. No. 4648. Cormous perennial; flowers reddish-yellow.

241484. *CHIMONANTHUS PRAECOX* Lindl. Calycanthaceae.

Col. No. 4646. Deciduous shrub; flowers yellow, reddish eye.

241485. *EPHEDRA ALTISSIMA* Desf. Gnetaceae.

Climbing jointfir.

Col. No. 4645. Scrambling woody climber to 20 feet long; fruit red.

241482 to 241486—Continued**241486.** *PHLOMIS HERBA-VENTI* L. Menthaceae.

Col. No. 5048. Along open rocky banks, north of Guadalajara, Soria Province, Spain. Leaves green above, white pubescent beneath; flowers lavender to violet. (Cuttings.)

241487. *PRUNUS ZIPPELIANA* Miq. Amygdalaceae.

From Japan. Seeds presented by Murotozaki, Kochi Prefecture, Shikoku. Received July 29, 1957.

241488. *PHYLLOSTACHYS BAMBUSOIDES* Sieb. & Zucc. Poaceae.

From the United States. Rhizomes presented by Evans & Reeves Nurseries, Los Angeles, California. Received August 1, 1957.

241489 to 241492. *MISCANTHIDIUM ERECTUM* Stent & C. E. Hubb. Poaceae.

From South Africa. Seeds presented by the Division of Crops & Pastures, Department of Agriculture, Pretoria. Received July 30, 1957.

241489. B/57/6.**241491.** B/57/8.**241490.** B/57/7.**241492.** B/57/9.**241493 to 241570.**

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 30, 1957.

241493. *ANDROPOGON* sp. Poaceae.

Col. No. 782. Wissel Lakes. Elevation 5,700 feet.

241494 and 241495. *APLUDA MUTICA* L. Poaceae.**241494.** Col. No. 717. Nondugl. Common.**241495.** Col. No. 744. Government Hotel, Hollandia.**241496 to 241498.** *BOTHRIOCHLOA INTERMEDIA* (R. Br.) A. Camus. Poaceae.**241496.** Col. No. 752. Sentaria, Hollandia.**241497.** Col. No. 772. Sorong.**241498.** Col. No. 821. Roadside at Honiara, Guadalcanal.**241499.** *BOTHRIOCHLOA DECIPIENS* (Hack.) C. E. Hubb.

Col. No. 751. Sentaria, Hollandia.

241500. *CANARIUM INDICUM* Stick. Balsameaceae.**Kanari.**

Col. No. 828. Bank of Matanikau River near native village, several miles from Honiara, Guadalcanal. Very large tree.

241501 to 241503. *COIX LACRYMA-JOBI* L. Poaceae.**Jobs-tears.****241501.** Col. No. 722. Nondugl.**241502.** Col. No. 732. Tari.**241503.** Col. No. 811. Edge of Sepik River at Angoram.**241504.** *COIX LACRYMA-JOBI* var. *MA-YUEN* (Romanet) Stapf.**Adlay.**

Col. No. 788. Wissel Lakes.

241505. *COIX LACRYMA-JOBI* L.**Jobs-tears.**

Col. No. 805. Along bank of Sepik River near Pagwi.

241506 and 241507. *CYBOPOGON FLEXUOSUS* (Ness) Stapf Poaceae.**Malabar grass.****241506.** Col. No. 704. Wewak. Common.**241507.** Col. No. 764. Near Manokwari Cattle Station.

241493 to 241570—Continued

- 241508.** *DICHANTHIUM SERICEUM* (R. Br.) A. Camus Poaceae.
Col. No. 824. Roadside about 16 miles west of Honiara, Guadalcanal.
- 241509.** *ERIACHNE PALLESCENS* R. Br. Poaceae.
Col. No. 696. Green River. Common.
- 241510.** *EULALIA TRISPICATA* (Schult.) Henr. Poaceae.
Col. No. 745. Hollandia Haven.
- 241511.** *EULALIA IRRITANS* (R. Br.) Kuntze.
Col. No. 746. MacArthur Hill, Hollandia.
- 241512 and 241513.** *EULALIA LEPTOSTACHYS* (Pilger) Henr. Poaceae.
241512. Col. No. 707. Nondugl.
241513. Col. No. 777. Wissel Lakes.
- 241514.** *EULALIA TRISPICATA* (Schult.) Henr.
Col. No. 749. Sentari, Hollandia.
- 241515.** *EULALIA* sp.
Col. No. 729. Baiyer River.
- 241516.** *GARNOTIA MEZIL* Janowsky Poaceae.
Col. No. 740. Tari.
- 241517.** *GERMANIA CAPITATA* Balansa & Poitrass. Poaceae.
Col. No. 691. Common on wet soils at Green River.
- 241518.** *HIBISCUS SABDARIFFA* L. Malvaceae. **Roselle.**
Col. No. 829. Kota Nico near Hollandia.
- 241519 and 241520.** *ISCHAEMUM ARISTATUM* L. Poaceae.
241519. Col. No. 693. Green River.
241520. Col. No. 719. Nondugl.
- 241521 and 241522.** *ISCHAEMUM DIGITATUM* Brongn. Poaceae.
241521. Col. No. 739. Tari.
241522. Col. No. 815. Edge of Sepik River near Angoram.
- 241523.** *ISCHAEMUM* sp.
Col. No. 738. Tari.
- 241524.** *ISCHAEMUM* sp.
Col. No. 756. Biak. Near village, along shore, about 2 miles from hotel. Leaves large and fleshy.
- 241525.** *ISCHAEMUM* sp.
Col. No. 784. Wissel Lakes. Elevation 5,700 feet. Common on hillsides.
- 241526.** *ISCHAEMUM* sp.
Col. No. 825. Sandy beach about 20 miles west of Honiara, Guadalcanal.
- 241527.** *MANISURIS* sp. Poaceae.
Col. No. 776. Sorong.
- 241528.** *MANISURIS* sp.
Col. No. 785. Edge of beach, Napan.
- 241529.** *MANISURIS* sp.
Col. No. 791. Sandy beach near Hollandia.
- 241530.** *ERIACHNE TRISETA* Nees Poaceae.
Col. No. 694. Green River.

241493 to 241570—Continued

- 241531 to 241538.** *MISCANTHUS FLORIDULUS* (Labill.) Warb. Poaceae. **Silvergrass.**
- 241531.** Col. No. 687. Native Gardens at Telefomin, Sepik District. Elevation 7,800 feet.
- 241532.** Col. No. 699. Native garden at Lumi, Sepik District. Used as arrow shafts.
- 241533.** Col. No. 714. Nondugl. Large tassel form.
- 241534.** Col. No. 716. Nondugl. Unusual type, short inflorescence.
- 241535.** Col. No. 735. Tari. Waxy type.
- 241536.** Col. No. 736. Tari. Typical.
- 241537.** Col. No. 779. Wissel Lakes. Elevation 5,700 feet. Common.
- 241538.** Col. No. 826. Roadside garden about 16 miles west of Honiara.
- 241539.** *NICOTIANA TABACUM* L. Solanaceae. **Common tobacco.**
- Col. No. 794. Native village, on river, at Dumpu Ramu. Native tobacco.
- 241540.** *OPHIURUS* sp. Poaceae.
- Col. No. 720. Nondugl.
- 241541.** *OPHIURUS* sp.
- Col. No. 731. Baiyer River.
- 241542.** *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.
- Col. No. 793. Dumpu on River Ramu. Common.
- 241543.** *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce
- Col. No. 800. A temple on edge of Ramu River.
- 241544 and 241545.** *POGONATHERUM CRINITUM* (Thumb.) Kunth Poaceae.
- 241544.** Col. No. 823. Steep roadside bank on hill near Rabaul, New Britain.
- 241545.** Col. No. 827. Matanikau River near Honiara, Guadalcanal.
- 241546.** *POGONATHERUM PANICEUM* (Lam.) Hack.
- Col. No. 709. Nondugl.
- 241547 to 241553.** *POLYTOCA MACROPHYLLA* Benth. Poaceae.
- 241547.** Col. No. 727. Baiyer River.
- 241548.** Col. No. 753. Sentari, Hollandia.
- 241549.** Col. No. 762. Near Manokwari.
- 241550.** Col. No. 788. Near Jatufe Bay, 20 miles from Hollandia.
- 241551.** Col. No. 799. Aiome, Ramu River. Common on edge of trail.
- 241552.** Col. No. 804. Near Maprik. Pubescent form; leaves smaller and narrower.
- 241553.** Col. No. 817. Near Rabaul, New Britain. Common along edge of woods.
- 241554.** *SETARIA PALMIFOLIA* (Koen.) Stapf Poaceae. **Palmgrass.**
- Col. No. 798. Native village at Dumpu on Ramu River.
- 241555 to 241564.** *SORGHUM NITIDUM* (Vahl) Pers. Poaceae.
- 241555.** Col. No. 702. Tadj.
- 241556.** Col. No. 703. Tadj.
- 241557.** Col. No. 721. Nondugl.
- 241558.** Col. No. 730. Baiyer River.

241493 to 241570—Continued**241555 to 241564—Continued**

- 241559.** Col. No. 743. Near Government Hotel, Hollandia.
241560. Col. No. 792. Dumpu, Ramu River. Grassy plains.
241561. Col. No. 803. Edge of airstrip, Awar.
241562. Col. No. 814. Low field at edge of Sepik River near Angoram.
241563. Col. No. 830. Grassy plains near Kerevat, New Britain.
241564. Col. No. 834. Popondetta.

241565. *SORGHUM VULGARE* Pers.

Col. No. 754. Escape on Jabau River from Kota Nica.

241566. *SORGHUM NIGRICANS* var. *ANGOLENSE* (Rendle) Snowden Col. No. 689. Maprik.**241567.** *THEMEDA GIGANTEA* (Cav.) Hack. Poaceae.

Col. No. 698. Lumi, Sepik District.

241568. *THEMEDA FRONDOSA* (R. Br.) Merr. Poaceae.

Col. No. 789. Near Hollandia.

241569. *THEMEDA* sp.

Col. No. 810. In shade and along roadside, Madang.

241570. *TRICHACHNE INSULARIS* (L.) Nees Poaceae.

Col. No. 820. Honiara, Guadalcanal.

241571 to 241575. *PRUNUS AMYGDALUS* Batsch Amygdalaceae.**Almond.**

From Algeria. Scions presented by the Pepinieres de l'Arboriculture Moderne, Boufarik. Received August 1, 1957.

- 241571.** 'Avola'. **241574.** 'Languedoc'.
241572. 'Desmayo'. **241575.** 'Marcona'.
241573. 'Fournat de Brezenaud'.

241576 to 241578. *SECALE CEREALE* L. Poaceae.**Rye.**

From Brazil. Seeds presented by the Instituto Agronomico Campinas, Sao Paulo. Received August 1, 1957.

- 241576.** 'Centeio 52'. **241578.** 'Centeio 54'.
241577. 'Centeio 53'.

241579 to 241584.

From the Union of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newlands. Received August 1, 1957.

241579. *LACHNOPYLIS FLORIBUNDA* (Benth.) C. A. Smith Loganiaceae.

No. 396.

Gardens, Kirstenbosch, Newlands. Received August 1, 1957.

241580. *LEUCADENDRON ARGENTEUM* (L.) R. Br. Proteaceae.

No. 423.

241581. *POLYGALA MYRTIFOLIA* L. Polygalaceae.

No. 584.

241582. *SCHOTIA BRACHYPETALA* Sond. Caesalpiniaceae.

No. 607.

241579 to 241584—Continued

241583. *VIRGILIA DIVARICATA* Adamson. Fabaceae.

No. 676.

241584. *VIRGILIA OROBOIDES* (Berg.) Salter

No. 677.

241585. *TRIGONELLA SUAVISSIMA* Lindl. Fabaceae.

From Australia. Seeds presented by W. W. Bryan, South Queensland.

Received August 2, 1957.

241586. *LOLIUM MULTIFLORUM* Lam. Poaceae. **Italian ryegrass.**

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received August 2, 1957.

241587 to 241600.

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received August 2, 1957.

241587. *ASTRAGALUS SINICUS* L. Fabaceae.

Milkvetch

241588 and 241589. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae.

Cauliflower.

241588. 'Fengshan'. Extra early.

241589. 'Fengshan Hsiashang'.

241590. *BRASSICA PEKINENSIS* (Lour.) Rupr.

Chinese cabbage.

241591. *CORCHORUS CAPSULARIS* L. Tiliaceae.

Jute.

241592. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

241593. *PISUM SATIVUM* L. Fabaceae.

Garden pea.

241594. *SOLANUM MELONGENA* L. Solanaceae.

Eggplant.

241595 to 241599. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

241595. 'Taichung No. 2'.

241596. 'Taichung No. 23'.

241597. 'Taichung No. 29'.

241598. 'Taichung No. 31'.

241599. 'Taichung No. 32'.

241600. *VICIA FABA* L. Fabaceae.

Broadbean.

241601. *CITRUS* (hybrid). Rutaceae.

From New Caledonia. Seeds presented by Felix Demene, Etude A. Daly, Noumea. Received August 2, 1957.

Mandarin-orange.

241602 to 241607.

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 5, 1957.

241602 and 241603. Jardin Botanico, Madrid.

241602. *ACHIMENES LANATA* Hanst. Gesneriaceae.

Col. No. 5052. Rhizomatous perennial to 6 inches high; leaves white-woolly beneath; flowers light blue. (Plants.)

241603. *LAPIEDRA MARTINEZII* Lag. Amaryllidaceae.

Col. No. 5051. Bulbous perennial; leaves two, basal, linear. (Bulbs.)

241602 to 241607—Continued

241604. *NOTELAEA EXCELSA* Webb & Berth. Oleaceae.

Col. No. 5043. Jardin Botanico 'Marimurtra', Province of Gerona, Blanes. Small evergreen tree to 25 feet high; leaves lustrous, hollylike; flowers greenish; fruit size of a ripe olive, black.

241605. *OSYRIS ALBA* L. Santalaceae.

Col. No. 5053. Toledo Province. Dioecious shrub to 5 feet high, forming dense clumps; stems dark green; fruit bright red. (Seeds.)

241606 and 241607. Greenhouse, Jardin Botanico, Madrid.

241606. *VELLOZIA ELEGANS* Talbot. Velloziaceae.

Col. No. 5050. Rhizomatous perennial, densely tufted; leaves lustrous; flowers white. (Plants.)

241607. *PIPER ORNATUM* N. E. Br. Piperaceae.

Col. No. 5049. Scandent perennial; background green, veins carmine. (Cuttings.)

241608. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**

From Greece. Seeds presented by the Hellenic Agricultural Research Station, Larissa. Received August 5, 1957.

241609 to 241623. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**

From Australia. Seeds presented by the Department of Agriculture, New South Wales. Received August 5, 1957.

241609. 'Hancock'.

241610. 'Hawkesburg B/56/36'. Solid white.

241611. 'Hybrid Fi B/54/6'.

241612. 'Phenominal Type 4'.

241613. 'Phenominal B/53/14'.

241614. 'Phenominal B/55/8'.

241615. 'Phenominal Ba/56/36'.

241616. 'Phenominal B/56/40'.

241617. 'Russian 2A B/56/11'.

241618. 'Russian 2A B/56/35'.

241619. 'Shankers Shorts Ba/56/34'.

241620. 'Snowball A B/56/23'.

241621. 'Snowball X B/56/25'.

241622. 'Snowball Y B/56/26'.

241623. 'White King Ve/53/2'.

241624 and 241625.

From Thailand. Seeds presented by Steve O'Rourke, Bangkok. Received August 5, 1957.

From farm of Kuhm Boomeruang Yontrarak, Northeast Highway, Muak Lek.

241624. *COFFEA* sp. Rubiaceae.

241625. *EUPHORIA LONGANA* Lam. Sapindaceae.

Lungan.

241626 to 241836.

From Chile, Colombia, Ecuador, and Peru. Collected by C. M. Rick, University of California, Davis. Received August 6, 1957.

241626 to 241836—Continued

- 241626.** *ALLIUM* sp. Liliaceae.
No. 1393. Tacna, Peru.
- 241627.** *ALONSOA* sp. Scrophulariaceae.
No. 1231. Carrizal, Peru.
- 241628.** *ALSTROEMERIA LIGTU* Falck. Amaryllidaceae.
No. 1407. Centinela, Chile.
- 241629.** *ALSTROEMERIA* sp.
No. 1386. Atico, Peru.
- 241630.** *ANANAS COMOSUS* (L.) Merr. Bromeliaceae. **Pineapple.**
No. 1287A. Guayaquil, Ecuador.
- 241631 to 241633.** *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**
- 241631.** No. 1373. Trujillo, Peru.
- 241632.** No. 1379. Guayaquil, Ecuador.
- 241633.** No. 1441. Chincha, Peru.
- 241634.** *BEGONIA* sp. Begoniaceae.
No. 1222. Trujillo, Peru.
- 241635.** *BROWALLIA* sp. Solanaceae.
No. 1219. Cascas, Peru.
- 241636.** *BROWALLIA* sp.
No. 1251. Motupe, Peru.
- 241637.** *CALANDRINIA CYMOSA* Phil. Portulacaceae.
No. 1396. Chuquicamata, Chile.
- 241638.** *CALCEOLARIA* sp. Scrophulariaceae.
No. 1210. Canta, Peru.
- 241639.** *CALONYCTION* sp. Convolvulaceae.
No. 1294. Cerecita, Ecuador.
- 241640 to 241680.** *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**
- 241640 to 241645.** Buenaventura, Colombia.
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| 241640. No. 1201. | 241643. No. 1204. |
| 241641. No. 1202. | 241644. No. 1205. |
| 241642. No. 1203. | 241645. No. 1206. |
- 241646 to 241649.** Tingo Maria, Peru.
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| 241646. No. 1213. | 241648. No. 1215. |
| 241647. No. 1214. | 241649. No. 1216. |
- 241650 to 241655.** Reque, Peru.
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| 241650. No. 1236. | 241653. No. 1240. |
| 241651. No. 1238. | 241654. No. 1241. |
| 241652. No. 1239. | 241655. No. 1242. |
- 241656 and 241657.** Celendin, Peru.
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| 241656. No. 1243. | 241657. No. 1246. |
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- 241658 to 241667.** Piura, Peru.
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| 241658. No. 1252. | 241660. No. 1254. |
| 241659. No. 1253. | 241661. No. 1255. |

241626 to 241836—Continued**241646 to 241680—Continued****241658 to 241667—Continued**

241663. No. 1257. 241665. No. 1260.

241664. No. 1259. 241666. No. 1261.

241662. No. 1256. 241667. No. 1262.

241668 to 241673. Guayaquil, Ecuador.

241668. No. 1276. 241671. No. 1279.

241669. No. 1277. 241672. No. 1280.

241670. No. 1278. 241673. No. 1281.

241674 to 241676. Pichilingue, Ecuador.

241674. No. 1282. 241676. No. 1285.

241675. No. 1284.

241677 and 241678. Tacna, Peru.

241677. No. 1391.

241678. No. 1392.

241679. Santiago, Chile.

No. 1405.

241680. Tacna, Peru.

No. 1411.

241681 to 241686. *CAPSICUM PUBESCENS* Ruiz & Pav. Solanaceae.**241681 and 241682.** Chota, Peru.

241681. No. 1244.

241682. No. 1245.

241683 to 241686. Tacna, Peru.

241683. No. 1390-1. 241685. No. 1390-3.

241684. No. 1390-2. 241686. No. 1390-4.

241687. *CAPSICUM* sp.

No. 1338. Santa Cruz, Ecuador.

241688. *CARICA PAPAYA* L. Caricaceae.**Papaya.**

No. 1271. Guayaquil, Ecuador.

241689. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae.**Watermelon.**

No. 1394. Azapa, Chile.

241690 and 241691. *CUCUMIS MELO* L. Cucurbitaceae.**Muskmelon.**

241690. No. 1270. Guayaquil, Ecuador.

241691. No. 1415. Puerto Varas, Chile.

241692. *CUCURBITA MOSCHATA* Duchesne ex Poir Cucurbitaceae.**Cushaw.**

No. 1290. Cerecita, Ecuador.

241693 and 241694. *CYCLANTHERA PEDATA* (L.) Schrad. Cucurbitaceae.

241693. No. 1269. Guayaquil, Ecuador.

241694. No. 1275.

241695. *CYPELLA* sp. Iridaceae.

No. 1410. Pucon, Chile.

241626 to 241836—Continued**241696.** *CYPELLA* sp.

No. 1413. Centinela, Chile.

241697 and 241698. *CYPHOMANDRA BETACEA* (Cav.) Sendt. Solanaceae.
Tree-tomato.**241697.** No. 1272. Guayaquil, Ecuador.**241698.** No. 1417. La Serena, Chile.**241699.** *DOLICHOS LABLAB* L. Fabaceae. **Hyacinth-bean.**

No. 1375. Trujillo, Peru.

241700. *FRAGARIA* sp. Rosaceae.

No. 1273. Ambato, Ecuador.

241701. *FRAGARIA* sp.

No. 1426. Huaura, Peru.

241702. *FUCHSIA MAGELLANICA* Lam. Onagraceae. **Magellan fuchsia.**

No. 1416. Puerto Varas, Chile.

241703. *GESNERIA* sp. GESNERIACEAE.

No. 1287. Pichilingue, Ecuador.

241704 to 241708. *GOSSYPIUM BARBADENSE* L. Malvaceae. **Sea island cotton.****241704.** No. 1225. Llallan, Peru.**241705.** No. 1233. Carrizal, Peru.**241706.** No. 1288. Cerecita, Ecuador.**241707.** No. 1289. Cerecita, Ecuador.**241708.** No. 1383. Playas, Ecuador.**241709 to 241722.** *GOSSYPIUM DARWINII* Watt. **Cotton.****241709.** No. 1304. Puerto Baquerizo, Ecuador.**241710.** No. 1309. San Cristobal, Ecuador.**241711.** No. 1311. San Cristobal, Ecuador.**241712.** No. 1313. Negritos, Ecuador.**241713.** No. 1316. Duncan, Ecuador.**241714.** No. 1318. Conway Bay, Ecuador.**241715.** No. 1322. Tiburon Bay, Ecuador.**241716.** No. 1325. Borrero Bay, Ecuador.**241717.** N9. 1328. Borrero Bay, Ecuador.**241718.** No. 1334. Jervis, Ecuador.**241719.** No. 1335. Eden, Ecuador.**241720.** No. 1356. Gardener, Ecuador.**241721.** No. 1364. Floreana, Ecuador.**241722.** No. 1368. Villamil, Ecuador.**241723 to 241726.** *GOSSYPIUM KLOTZSCHIANUM* Anders. **Cotton.****241723.** No. 1310. San Cristobal, Ecuador.**241724.** No. 1319. Conway Bay, Ecuador.**241725.** No. 1323. Tiburon Bay, Ecuador.**241726.** No. 1326. Torrero Bay, Ecuador.**241727.** *GOSSYPIUM RAIMONDII* Ulbrich **Cotton.**

No. 1221. Tambo, Peru.

241626 to 241836—Continued

241728. *ILEX* sp. Aquifoliaceae.
No. 1421. Puerto Varas, Chile.
241729. *IPOMOEA CRASSICAULIS* (Benth.) B. L. Robinson Convolvulaceae.
No. 159. Gardener, Ecuador. **Morning-glory.**
241730. *IPOMOEA MEGAPOTAMICA* Chois.
No. 1227. Llallan, Peru.
241731. *IPOMOEA POLYANTHES* Roem. & Schult.
No. 1283. Pichilingue, Ecuador.
241732. *IPOMOEA* sp.
No. 1218. Cascas, Peru.
241733. *IPOMOEA* sp.
No. 1229. Magdalena, Peru.
241734. *IPOMOEA* sp.
No. 1247. Paso Porcullo, Peru.
241735. *IPOMOEA* sp.
No. 1268. Guayaquil, Ecuador.
241736. *IPOMOEA* sp.
No. 1291. Cerecita, Ecuador.
241737. *IPOMOEA* sp.
No. 1292. Cerecita, Ecuador.
241738. *IPOMOEA* sp.
No. 1293. Cerecita, Ecuador.
241739. *IPOMOEA* sp.
No. 1300. Balzar, Ecuador.
241740. *IPOMOEA* sp.
No. 1308. Puerto Baquerizo, Ecuador.
241741. *IPOMOEA* sp.
No. 1312. San Cristobal, Ecuador.
241742. *IPOMOEA* sp.
No. 1314. Negritos, Ecuador.
241743. *IPOMOEA* sp.
No. 1315. Duncan, Ecuador.
241744. *IPOMOEA* sp.
No. 1320. Conway Bay, Ecuador.
241745. *IPOMOEA* sp.
No. 1339. Santa Cruz, Ecuador.
241746. *IPOMOEA* sp.
No. 1341. Santa Cruz, Ecuador.
241747. *IPOMOEA* sp.
No. 1360. Gardener, Ecuador.
241748. *JACQUEMONTIA* sp. Convolvulaceae.
No. 1226. Chilete, Peru.

241626 to 241836—Continued

- 241749.** *LAGENARIA LEUCANTHA* (Duchesne) Rusby Cucurbitaceae. **Calabash gourd.**
No. 1302.
- 241750.** *LAPAGERIA ROSEA* Ruiz & Pav. Liliaceae. **Red Chile-bells.**
No. 1442. Loncoche, Chile.
- 241751.** *LUFFA* sp. Cucurbitaceae.
No. 1365. Floreana, Ecuador.
- 241752.** *MIRABILIS* sp. Nyctaginaceae.
No. 1286. Pichilingue, Ecuador.
- 241753 and 241754.** *NICANDRA PHYSALODES* (L.) Gaertn. Solanaceae. **Apple-of-Peru.**
241753. No. 1212. La Molina, Peru.
241754. No. 1306. Puerto Baquerizo, Ecuador.
- 241755 and 243758.** *NICOTIANA GLUTINOSA* L. Solanaceae. **Tobacco.**
241755. No. 1209. Canta, Peru. **241757.** No. 1234. Carrizal, Peru.
241756. No. 1223. Pongo, Peru. **241758.** No. 1422. Churin, Peru.
- 241759.** *NICOTIANA LANGSDORFII* Schrank
No. 1224. Santa Alpolonia, Peru.
- 241760.** *NICOTIANA PLUMBAGINIFOLIA* Viv.
No. 1299. Balzar, Ecuador.
- 241761.** *NICOTIANA SOLANIFOLIA* Walp.
No. 1399. Paposo, Chile.
- 241762 to 241767.** *NICOTIANA TABACUM* L. **Common tobacco.**
241762. No. 1232. Carrizal, Peru.
241763. No. 1338A. Santa Cruz, Ecuador.
241764. No. 1338B. Santa Cruz, Ecuador.
241765. No. 1414. Centinela, Chile.
241766. No. 1424. Husura, Peru.
241767. No. 1425. Husura, Peru.
- 241768.** *NICOTIANA GLUTINOSA* L.
No. 1220. Tambo, Peru.
- 241769.** *NICOTIANA PANICULATA* L.
No. 1370. Cerro Campana, Peru.
- 241770.** *NICOTIANA* sp.
No. 1384. Chala, Peru.
- 241771.** *NICOTIANA* sp.
No. 1389. Yura, Peru.
- 241772.** *NOLANA* sp. Nolanaceae.
No. 1388. Atico, Peru.
- 241773.** *PASSIFLORA* sp. Passifloraceae.
No. 1207. Lima, Peru.
- 241774.** *PASSIFLORA* sp.
No. 1295. Cerecita, Ecuador.

241626 to 241836—Continued

- 241775 to 241792.** *PHASEOLUS LUNATUS* L. Fabaceae. **Lima bean.**
Peru.
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| 241775. No. 1267. Piura. | 241784. No. 1432. |
| 241776. No. 1374. Trujillo. | 241785. No. 1433. |
| 241777. No. 1376. Cajabamba. | 241786. No. 1434. |
| 241778. No. 1377. Sechin. | 241787. No. 1435. |
| 241779. No. 1427. | 241788. No. 1436. |
| 241780. No. 1428. | 241789. No. 1437. |
| 241781. No. 1429. | 241790. No. 1438. |
| 241782. No. 1430. | 241791. No. 1439. |
| 241783. No. 1431. | 241792. No. 1440. |
- 241793 to 241795.** *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**
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| 241793. No. 1378. Guayaquil, Ecuador. |
| 241794. No. 1380. Guayaquil, Ecuador. |
| 241795. No. 1381. Guayaquil, Ecuador. |
- 241796.** *PHYSALIS* sp. Solanaceae.
No. 1321. Conway Bay, Ecuador.
- 241797.** *PHYSALIS* sp.
No. 1332. James Bay, Ecuador.
- 241798.** *PHYSALIS* sp.
No. 1342. Pta. Numez, Ecuador.
- 241799.** *PHYSALIS* sp.
No. 1357. Hood, Ecuador.
- 241800.** *PHYSALIS* sp.
No. 1358. Gardener, Ecuador.
- 241801.** *PHYSALIS* sp.
No. 1361. Pelican Bay, Ecuador.
- 241802.** *PHYSALIS* sp.
No. 1366. Villamil, Ecuador.
- 241803.** *PLUMBAGO SCANDENS* L. Plumbaginaceae.
No. 1235. Carrizal, Peru.
- 241804.** *ROSA* sp. Rosaceae.
No. 1409. Pucon, Chlle.
- 241805.** *RUMEX* sp. Polygonaceae.
No. 1408. Pucon, Chile.
- 241806.** *RUMEX* sp.
No. 1420. Centinela, Chile.
- 241807.** *SCALESIA* sp. Asteraceae.
No. 1329. Borrero Bay, Ecuador.
- 241808.** *SCALESIA* sp.
No. 1336. Eden, Ecuador.
- 241809.** *SCALESIA* sp.
No. 1340. Santa Cruz, Ecuador.

241626 to 241836—Continued**241810.** *SCALESIA* sp.

No. 1367. Villamil, Ecuador.

241811. *SCHIZANTHUS* sp. Solanaceae.

No. 1400. Paposo, Chile.

241812. *SMILAX* sp. Smilacaceae.

No. 1412. Centinela, Chile.

241813. *SOLANUM HIRSUTISSIMUM* Standl. Solanaceae.

No. 1208. Buenaventura, Colombia.

241814 to 241817. *SOLANUM MURICATUM* Ait.**Pepino.****241814.** No. 1263. Piura, Peru.**241816.** No. 1265. Peru.**241815.** No. 1264. Peru.**241817.** No. 1266. Peru.**241818 to 241821.** *SOLANUM NIGRUM* L.**Black nightshade.****241818.** No. 1372. Sechin, Peru.**241819.** No. 1401. Taltal, Chile.**241820.** No. 1419. Centinela, Chile.**241821.** No. 1423. Churin, Peru.**241822.** *SOLANUM* sp.

No. 1228. Magdalena, Peru.

241823. *SOLANUM* sp.

No. 1395. Chuquicamata, Chile.

241824. *SOLANUM* sp.

No. 1397. Chimba, Chile.

241825. *SOLANUM* sp.

No. 1418. Vicuna, Chile.

241826. *STENOLOBIUM* sp. Bignoniaceae.

No. 1385. Chala, Peru.

241827. *STREPTOSOLEN* sp. Solanaceae.

No. 1248. Paso Porcullo, Peru.

241828. *TAGETES* sp. Asteraceae.

No. 1249. Paso Porcullo, Peru.

241829. *THEOBROMA CACAO* L. Sterculiaceae.**Cacao.**

No. 1382. Guayaquil, Ecuador.

241830. *TIBOUCHINA* sp. Melastomataceae.

No. 1250. Paso Porcullo, Peru.

241831. *VIGUIERA* sp. Asteraceae.

No. 1230. Paso Gavilan, Peru.

241832. *VIGUIERA* sp.

No. 1406. Tambo, Peru.

241833. (Undetermined.) Apocynaceae.

No. 1296. Daular, Ecuador.

241834. (Undetermined.)

No. 1324. Tiburon Bay, Ecuador.

241626 to 241836—Continued**241835.** (Undetermined.)

No. 1331. James Bay, Ecuador.

241836. *ANTHERICUM* sp. Liliaceae.

No. 1371. Derro Campana, Peru.

241837. *TERAMNUS UNINCATUS* (L.) Swartz Fabaceae.

From Costa Rica. Seed presented by the International Cooperation Administration Mission to Costa Rica, San Jose. Received August 6, 1957.

241838 and 241839.

From Spain. Plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received August 7, 1957.

241838. *CHRYSANTHEMUM PULVERULENTUM* Lag. ex Pers. Asteraceae.

Col. No. 5069. Talus slopes, along Granada, Vasares de Veleta road, Sierra Nevada Mountains. Elevation 2,500 feet. Rhizomatous perennial, stout, densely tufted; body of plant prostrate, forming small clumps; ray-flowers lemon yellow.

241839. *SENECIO TOURNEFORTII* Lapeyr. Asteraceae.

Col. No. 5067. Along Granada, Vasares de Veleta road, Sierra Nevada Mountains. Stout perennial, densely tufted; leaves thick, glaucous; flowers yellow.

241840. *CITRUS* sp. Rutaceae.

From New Caledonia. Seeds presented by F. Demene, Noumea. Received August 7, 1957.

241841 and 241842. *CHRYSANTHEMUM* sp. Asteraceae.

From Japan. Offshoots presented by H. Takahashi, Mishima, Shizuoka-ken.

241841. 'Sakura Futumi'. White spider type.**241842.** 'Taiho-no-aki'.**241843.** *TRIFOLIUM PRATENSE* L. Fabaceae.**Redclover.**

From Japan. Seeds presented by Tonio Nakano, Hokkaido. Received August 16, 1957.

Disease-resistant strain.

241844. *PHLOMIS CRINITA* Cav. Menthaceae.

From Spain. Seed collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received August 8, 1957.

Col. No. 5074. Common along the Granada, Vasares de Veleta road to Sierra Nevada Mountains. Perennial to 3 feet high; leaves basal, lanate; flowers yellow.

241845. *CALOTROPSIS GIGANTEA* (L.) R. Br. Asclepiadaceae.

From Pakistan. Seeds presented by S. Hedayetullan's Garden, Dacca. Received August 8, 1957.

241846. *PRUNUS* sp. Amygdalaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received August 8, 1957.

Col. No. 16765. Santo Tomas Valley, Baja California. Polypodial shrub; fruits short-peduncled; flesh thin.

241847. COFFEA RUPESTRIS Hiern Rubiaceae.

From French West Africa. Seeds presented by the Station Centrale, Boukiko. Received August 12, 1957.

'Argo'.

241848. HYPARRHENIA RUFA (Nees) Stapf Poaceae. **Jaragua.**

From Guatemala. Seeds presented by United States Operations Mission, American Embassy, Guatemala City. Received August 12, 1957.

241849. AVENA SATIVA L. Poaceae. **Common oats**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 12, 1957.

241850 to 241874.

From Spain, Italy, France and Portugal. Collected by F. G. Meyer, agricultura explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 13, 1957.

241850. ACACIA HOWITTI F. Muell. Mimosaceae.

Col. No. 4992. Stazione Sperimentale di Floricoltura 'O. Raimondo', San Remo, Italy. Tree to 20 feet high; leaves soft, linear; flowers yellow.

241851. ANTIRRHINUM TORTUOSUM Bosc. ex Lam. Scrophulariaceae.

Col. No. 5014. Villa Roquebrune, Cap Martin, France. Shrub to 4 feet high; leaves linear; flowers pink to lavender.

241852. CANARINA CAMPANULATA L. Campanulaceae.

Col. No. 5024. La Leonina, Beaulieu-sur-Mer, France. Tuberos perennial climber; flowers bell shaped to 2 inches long, yellowish, brick-red or purplish brown.

241853. CISTUS ALBIDUS L. Cistaceae. **White-leaf rockrose.**

Col. No. 4986. Slopes in sparse pine woodland, inland from Cannes, France. Evergreen shrub, white-tomentose; flowers lilac or rose.

241854 and 241855. CONVULVULUS MAURITANICUS Boiss. Convolvulaceae. **Morocco convulvulus.**

Stazione Sperimentale di Floricoltura 'O. Raimondo', San Remo, Italy.

241854. Col. No. 4994. 'Sabatius'. Creeping perennial, white-silvery throughout; flowers deep blue.

241855. Col. No. 4995. More vigorous than the variety 'Sabatius'. Flowers blue against silver background of foliage.

241856. DRACAENA THALIOIDES Makoy Liliaceae.

Col. No. 5093. Jardin Coloniale Ultramar's greenhouse, Lisbon, Portugal. Perennial; leaves long petiolate, spatulate, distichous. (Cuttings.)

241857. GOETHEA STRICTIFLORA Hook. Liliaceae.

Col. No. 5094. Jardin Coloniale Ultramar's greenhouse. Shrub; flowers red, cauliflorous. (Cuttings.)

241858. LEONOTIS DYSOPHYLLA Benth. Menthaceae.

Col. No. 5035. La Leonina, Beaulieu-sur-Mer, France. Perennial to 5 feet high, inflorescence capitate; flowers orange-yellow.

241859. LOPEZIA MINIATA DC. Onagraceae.

Col. No. 4993. Stazione Sperimentale di Floricoltura 'O. Raimondo', San Remo, Italy. Much-branched perennial; flowers small, long, rose-red.

241860. MELOTHRIA HEDERACEA Cogn. Cucurbitaceae.

Col. No. 5035. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France. Weak-stemmed perennial; leaves heder-shaped, thick and succulent.

241850 to 241874—Continued

241861 and 241862. *NERIUM OLEANDER* L. Apocynaceae. **Oleander.**

241861. Col. No. 5084. Common along stream banks near Motril, Province Granada and Province Malago, Spain. Evergreen shrub to 8 feet high; flowers deep pink. (Cuttings.)

241862. No. 5091. 'Alba'. Stream banks along road, near Rosal de la Frontera, Province Huelva, Spain. Wild evergreen shrub; flowers white. A rare albino form.

241863. *PAEONIA OFFICINALIS* L. Ranunculaceae.

Col. No. 5095. Along road banks and in chestnut orchards, West Arceno, Province Seville, Spain. Fleshy-rooted perennial; flowers red. (Roots.)

241864. *PELARGONIUM CARNOSUM* Soland. Geraniaceae.

Col. No. 5033. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France. Thick-stemmed perennial, nodes much swollen; leaves twice pinnate; flowers white.

241865. *PELARGONIUM FERULACEUM* Willd.

Col. No. 5032. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France. Fleshy-stemmed perennial; leaves dark green; flowers small, lavender.

241866. *PELARGONIUM GLAUCUM* L'Herit.

Col. No. 5027. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France. Much-branched perennial; leaves glaucous; flowers small, yellow.

241867. *PELARGONIUM SALMONEUM* R. A. Dyer

Col. No. 5026. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France. Flowers single, delicate pink.

241868. *PHASEOLUS CARACALLA* L. Fabaceae. **Snail bean.**

Col. No. 5029. La Leonina, Beaulieu-sur-Mer, France. Perennial climber; flowers yellowish or purple.

241869. *PODOCARPUS MANNII* Hook. f. Taxaceae.

Col. No. 5092. Jardin Coloniald Ultramar, Belem, Lisbon, Portugal. Evergreen tree. (Cuttings.)

241870. *RUELLIA SQUARROSA* (Fenzl.) Cuf. Acanthaceae.

Col. No. 5036. La Leonina, Beaulieu-sur-Mer, France. Pubescent rhizomatous perennial; flowers blue.

241871. *SCABIOSA CRETICA* L. Dipsacaceae.

Col. No. 5037. Villa Roquebrune, Cap Martin, France. Shrub, much-branched towards the top; flowers azure blue.

241872. *THUNBERGIA GIBSONII* S. Moore Acanthaceae. **Clockvine.**

Col. No. 5003. Garden of Villa Roquebrune, Cap Martin, France. Climbing perennial; flowers deep orange.

241873. *ACACIA HORRIDA* (L.) Willd. Mimosaceae.

Col. No. 5006. Serre de la Madone, garden of Major Lawrence Johnston, Val du Gorbio, Menton, France. Small spiny tree to 20 feet high, inflorescence ball-shaped; flowers bright yellow.

241874. *ACACIA CIBARIA* F. v. Muell.

Col. No. 5007. Serre de la Madone, garden of Major Lawrence Johnston, Val du Gorbio, Menton, France. Much-branched evergreen shrub to 6 feet high; leaves narrowly linear, silvery pubescent; flowers yellow.

241875 to 241878.

From Brazil. Seeds presented by the Institute of Agriculture and Industrial Research and Planning, Sao Paulo. Received August 13, 1957.

241875. *CORCHORUS CAPSULARIS* L. Tiliaceae. **Jute.**

From the Amazonas Valley, State of Para.

241876 to 241878. *PASPALUM NOTATUM* Fluegge Poaceae. **Bahiagrass.**

241876. 'Avenida'. Probably from State of Sao Paulo.

241877. 'Campo'. From near city of Sao Paulo.

241878. 'Paulista'. From near Owinhos, State of Sao Paulo.

241879 to 241881.

From Israel. Seeds presented by the Plant Introduction Service, Agricultural Research Station, Nve Yaar. Received August 15, 1957.

241879. *EBENUS CRETICA* L. Fabaceae.

Originally from John Poteriades, Athens, Greece.

241880. *LUPINUS LUTEUS* L. Fabaceae. **European yellow lupine.**

Coastal plain near Haifa, Israel.

241881. *LUPINUS PILOSUS* Murray **Lupine.**

North Galilee, Jerusalem.

241882. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

From India. Seed presented by American Embassy, New Delhi. Received August 16, 1957.

'Sirsa No. 9'.

241883. *VIGNA VEXILLATA* (L.) A. Rich. Fabaceae. **Cowpea.**

From the Belgian Congo. Seeds presented by the Botanique, Institut National Pour l'Etude Agronomique du Congo Belge, Yangambi. Received August 16, 1957.

241884 to 241893.

From Mexico. Collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 16, 1957.

From Baja California. Material received as seeds unless otherwise noted.

241884. *PRUNUS* sp. Amygdalaceae.

Col. No. 16710. Meling Ranch, east of San Telmo. Polypodial shrub; stems strong and erect.

241885. *PRUNUS* sp.

Col. No. 16742. Santo Tomas Valley. Elevation 500 feet.

Drought-resistant polypodial shrubs.

241886 to 241893. *RUMEX HYMENOSEPALUS* Torr. Polygonaceae. **Canaigre.**

241886 to 241888. Santo Tomas Valley. Elevation 500 feet. Plants large, tall, now dry and prone. (Plants.)

241886. C.

241888. E.

241887. D.

241889 to 241893. Canyada del Picacho, north end of Sierra, San Pedro Martin. Elevation 4000 feet.

241889. A.

241892. D.

241890. B.

241893. E.

241891. C.

241894 to 241911.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 20, 1957.

Material received as cuttings unless otherwise noted.

241894 to 241896. Botanical Garden, University of Coimbra, Coimbra.

241894. *ACHIMENES COCCINEA* (Scop.) Pers. Gesneriaceae.

Col. No. 5117. Tuberous-rooted perennial; leaves green above, red-veined below; flowers orange-red. (Plants.)

241895. *ARUNDINARIA* sp. Poaceae.

Col. No. 5127. Rhizomatous perennial to 8 feet high; foliage yellowish variegated. (Plant.)

241896. *BOUGAINVILLEA GLABRA* Choisy. Nyctaginaceae.

Col. No. 5126. 'Maud Chettlebourg'. Woody climber; flowers magenta.

241897. *DROSOPHYLLUM LUSITANICUM* (L.) Link. Droseraceae.

Col. No. 5130. Three miles west of Coimbra. Perennial to 12 inches high; leaves tufted, narrowly linear, covered with stalked glutinous glands for catching insects; flowers yellow. (Seeds.)

241898. *ERICA AUSTRALIS* L. Ericaceae.

Heath.

Col. No. 5131. Along the Rio Mondego, east of Coimbra. Evergreen shrub to 6 feet high; flowers lavender to pink.

241899. *ERICA UMBELLATA* L.

Heath.

Col. No. 5133. West of Coimbra. Evergreen shrub to 20 inches high; flowers lavender-purple. (Seeds.)

241900 to 241910. Botanical Garden, University of Coimbra.

241900. *FIGUS GLABELLA* Blume. Moraceae.

Fig.

Col. No. 5128. Evergreen tree to 20 feet high; leaves long, coriaceous, lustrous.

241901. *GNIDIA POLYSTACHYA* Berg. Thymelaeaceae.

Col. No. 5128. Evergreen shrub to 10 feet high; leaves acicular; flowers yellow-green, fragrant.

241902. *HEBANTHE PANICULATA* (Moq.) Benth. & Hook. Amaranthaceae.

Col. No. 5123. Evergreen climber; flowers white.

241903. *HIBISCUS LILIFLORUS* Cav. Malvaceae.

Col. No. 5121. Shrub to 6 feet high; flowers scarlet, single.

241904 and 241905. *HIBISCUS ROSA-SINENSIS* L.

Chinese hibiscus.

241904. Col. No. 5122. 'Vivicans'. Shrub; flowers double, scarlet.

241905. Col. No. 5125. 'Kermesinus'. Shrub to 10 feet high; flowers single, deep red.

241906. *IOCHROMA COCCINEA* Scheid. Solanaceae.

Col. No. 5119. Branches pendulous; flowers tubular, scarlet.

241907. *IOCHROMA WARSCEWICZII* Regel

Col. No. 5124. Shrub; leaves long, pubescent; flowers tubular, blue.

241908. *JASMINUM ODORATISSIMUM* L. Oleaceae.

Col. No. 5118. Evergreen shrub; branches somewhat arching; flowers yellow, fragrant.

241894 to 241911—Continued**241900 to 241910—Continued**

241909. *OCHNA MULTIFLORA* DC. Ochnaceae.

Col. No. 5134. Evergreen shrub; flowers bright yellow; fruit greenish; seeds black, protruding. (Seeds.)

241910. *RHAMNUS ALATERNUS* L. Rhamnaceae.

Col. No. 5132. Along the Rio Mondego, east of Coimbra. Evergreen shrub; fruits black, berrylike, juicy. (Seeds.)

241911. *ROSA* (hybrid). Rosaceae.

Col. No. 5129. 'Belle of Portugal' (*R. odorata* var. *gigantea* × Tea Rose). Botanical Garden, University of Coimbra. Climber; flowers bluish pink; double; stems weak.

241912 and 241913. *LOLIUM MULTIFLORUM* Lam. Poaceae.
Italian ryegrass.

From Italy. Seeds presented by the Università Degli Studi di Firenze, Florence. Received August 20, 1957.

241912. Selection No. 17, Grassland Experiment Station, Lodi.

241913. From Reggio Emilia, a town in the Po Valley.

241914 to 241927.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 22, 1957.

Material received as cuttings unless otherwise noted.

241914. *BANKSIA INTEGRIFLOIA* L. f. Proteaceae.

Col. No. 5112. Park da Pena, near Sintra, west of Lisbon. Evergreen tree to 50 feet high; leaves oblong, green above, white below; flowers yellow.

241915 and 241916. Botanical Garden, University of Lisbon.

241915. *CESTRUM FASCICULATUM* (Endl.) Miers Solanaceae.

Col. No. 5100. Shrub; branches drooping; flowers, pendulous, carmine.

241916. *EUPATORIUM OMPHALIAEFOLIUM* Kunth & Bouche Asteraceae.

Col. No. 5103. Shrub to 12 feet high; leaves fleshy, lustrous above.

241917 and 241918. *ILEX PERADO* Ait. Aquifoliaceae.

Park da Pena, Sintra, west of Lisbon.

241917. Col. No. 5109. Evergreen tree to 20 feet high; leaves thick, spiny.

241918. Col. No. 5111. Evergreen tree; leaves thick, spiny, lustrous above.

241919. *LIMONIASTRUM MONOPETALUM* (L.) Boiss. Plumbaginaceae.

Col. No. 5102. Botanical Garden, University of Lisbon. Shrub to 10 feet high; branches pendulous; leaves glaucous; flowers lavender-pink.

241920. *OLEA EUROPAEA* L. Oleaceae. **Olive.**

Col. No. 5098. 'Sylvatica'. Instituto Superior de Agronomia, Lisbon. Tree to 30 feet high, large and more spreading than the common olive; fruit insignificant.

241921 to 241923. Park da Pena, Sintra, near Lisbon.

241921. *OREOPANAX* sp. Araliaceae.

Col. No. 5107. Evergreen shrub to 10 feet high; leaves shallowly lobed, scurfy tomentose.

241914 to 241927—Continued**241921 to 241923—Continued****241922.** *PITTIOSPORUM HUTTONIANUM* T. Kirk Pittosporaceae:

Col. No. 5113. Evergreen tree 20 feet high; leaves green above, whitish below.

241923. *PODOCARPUS NERIIFOLIUS* D. Don Taxaceae.

Col. No. 5108. 'Variegatus'. Evergreen tree to 20 feet high; foliage variegated.

241924 and 241925. Greenhouse, Botanical Garden of Ajuda, Institute Superior de Agronomia, Lisbon.**241924.** *MICROLEPIA STRIGOSA* (Thunb.) Presl

Col. No. 5096. 'Cristata'. Densely tufted fern; roots fibrous.

241925. *CASSINE MAUROCENIA* L. Celastraceae.

Col. No. 5097. Large evergreen shrub; leaves lustrous above, dull below.

241926 and 241927. Park de Monserrate, near Sintra, west of Lisbon.**241926.** *OLEARIA* sp. Asteraceae.

Col. No. 5110. Evergreen shrub; leaves lustrous green above, silvery brownish below; flowers white.

241927. *TRICHILIA* sp. Meliaceae.

Col. No. 5115. Tree to 30 feet high; leaves pinnately divided; fruits densely aggregated.

241928 to 241952.

From Portugal and Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 26, 1957.

From Portugal unless otherwise noted.

241928. *BANKSIA GRANDIS* Willd. Proteaceae.

Col. No. 5152. Moriera da Silva et Fihlos Nursery, Oporto. Small evergreen tree. (Cuttings.)

241929 to 241934. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.****241929.** Col. No. 5138. Quinta do Meio, Entre Quintas, Oporto. Large bush; flowers pure white, very faint blush pink at first.**241930 to 241934.** Compahnia Horticola Nursery, Oporto.**241930.** Col. No. 5142. 'Dr. Baltazar de Melo'. Flowers to 4 inches across, red and white striped.**241931.** Col. No. 5143. 'Portuense'. Leaves variegated; flowers double, red.**241932.** Col. No. 5146. 'Augusto Leal de Gouveia Pinto'. Flowers to 5 inches across, double, convex, petals more or less erect, salmon-pink.**241933.** Col. No. 5147. 'Dona Herzilia de Freitas Magalhaes'. Flowers bright crimson to deep violet.**241934.** Col. No. 5148. 'Rainha Santa Isabel'. Flowers pure white.**241935 and 241936.** *CAMELLIA SASANQUA* Thunb. **Sasanqua camellia.****241935.** Col. No. 5140. 'Jaune'. (Cuttings.)**241936.** Col. No. 5141. 'Baronesa de Soutelinho'. Flowers pink.

(Cuttings.)

241928 to 241952—Continued**241937.** *CAREX MORROWII* Boott Cyperaceae.

Col. No. 5151. Perennial; leaves foot-long, narrowly linear, lax, white margin. (Plants.)

241938. *DIANTHUS BROTERI* Boiss. & Reut. Silenaceae.

Col. No. 5077. Along coast near Nerja, Malaga Province, Spain. Suffrutescent perennial; flowers lavender-pink. (Seeds.)

241939. *DRACAENA GOLDIEANA* Hook. Liliaceae.

Col. No. 5155. Moreira da Silva et Fihlos Nursery, Oporto. Rhizomatous perennial; leaves green and laterally white-striped. (Plant.)

241940. *HELICHRYSUM SEROTINUM* Boiss. Asteraceae.

Col. No. 5086. Road from Competa to Barranco, Morena, Province Malaga, Spain. Tufted perennial; leaves linear, tomentose; inflorescence flat-topped, yellow. (Seeds.)

241941 and 241942. Moreira da Silva et Fihlos Nursery, Oporto.**241941.** *MEDINILLA CURTISII* Veitch. Melastomataceae.

Col. No. 5156. Small evergreen shrub; leaves lustrous above, the mid-rib conspicuous; flowers white, peduncles and pedicels coral-red.

241942. *MEDINILLA SCORTECHINII* King

Col. No. 5153. Small shrub; flowers coral. (Plant.)

241943. *ODONTOSPERMUM MARITIMUM* Sch.-Bip. Asteraceae.

Col. No. 5088. On banks above the sea near Malaga, along main road to Motril, Province Malaga, Spain. Much-branched perennial; flowers deep yellow. (Seeds.)

241944. *PASSIFLORA MOLLISSIMA* (H.B.K.) Bailey Passifloraceae.

Col. No. 5154. Moreira da Silva et Fihlos Nursery, Oporto. Vigorous climbing perennial; leaves deeply divided, three-lobed; flowers red. (Plants.)

241945. *RHAMNUS OLEOIDES* L. Rhamnaceae.

Col. No. 5081. Barranco, Moreno, Province Malaga, Spain. Creeping over rocks or sometimes upright shrub; fruit black-red. (Seeds.)

241946. *SALVIA CANDELABRUM* Boiss.

Col. No. 5080. Open rocky slopes near edge of olive grove, road from Competa to Barranco Morena, Province Malaga, Spain. Coarse perennial to 4 feet tall, much-branched; flowers long-pedicellate, blue and white.

241947. *THYMUS CAPITATUS* (L.) Link & Hoffm. Menthaceae.

Col. No. 5089. On the Roman ruins called 'Italica', northwest of Seville, Spain. Much-branched shrub to 12 inches high; flowers lavender. (Seeds.)

241948. *ONONIS NATRIX* L. Fabaceae.

Col. No. 5078. Common along coast near Motril, Province Granada, Spain. Much-branched subshrub; flowers yellow. (Seeds.)

241949. *PUTORIA CALABRICA* (L.) Pers. Rubiaceae.

Col. No. 5079. Barranco Moreno, near Competa, Province Malaga, Spain. Prostrate subshrub, creeping over rocks; flowers white, tubular; fruit red. (Seeds.)

241950. *GENISTA EQUISETIFORMIS* Spach Fabaceae.

Col. No. 5082. Near Motril, Province Granada, Spain. Much-branched subshrub, broomlike aspect; flowers yellow. (Seeds.)

241951. *GLAUCIUM FLAVUM* Crantz Papaveraceae. **Yellow hornpoppy.**

Col. No. 5087. Along road banks, east of Malaga near the sea, Province Malaga, Spain. Much-branched perennial to 3 feet high; flowers yellow. (Seeds.)

241928 to 241952—Continued

241952. *BOLTONIA LATISQUAMA* A. Gray Asteraceae.

Col. No. 5137. Quinta do Meio, Entre Quintas, Oporto. Rhizomatous perennial; stems stiff and robust; leaves narrowly lanceolate, glaucous; flowers white. (Plants.)

241953 to 241962.

From Mexico unless otherwise noted. Collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 26, 1957.

241953 and 241954. Valle de la Trinidad, Baja California.

241953. *ANGELICA* sp. Apiaceae.

Col. No. 16727. Herb with several stems from leafy base; leaves finely pinnately dissected.

241954. *ANGELICA* sp.

Col. No. 16731. Herb; seeds dark-colored.

241955. *ANGELICA TOMENTOSA* S. Wats.

Col. No. 16744. Dripping Springs, Riverside County, California. Elevation 2,000 feet. Deep-rooted perennial; leaves finely dissected; celerylike odor.

241956. *ANGELICA* sp.

Col. No. 16730. 'Chuchupate'. Valle de la Trinidad, Baja California. Annual herb.

241957. *ANGELICA* sp.

Col. No. 16718. Twelve miles west of Valle de la Trinidad, Baja California.

241958. *ANGELICA* sp.

Col. No. 16728. 'Chuchupate'. Valle de la Trinidad, Baja California. Perennial herb; stems reddish; roots long, fleshy.

241959. *ANGELICA* sp.

Col. No. 16746. Dripping Springs, Riverside County, California. Elevation 2,000 feet. Deep-rooted perennial herb.

241960. *LATHYRUS* sp. Fabaceae.

Col. No. 16720. West of Valle de la Trinidad, Baja California. Erect perennial herb.

241961. *LIGUSTICUM* sp. Apiaceae.

Col. No. 16735. Forty-five miles east of Ensenada. Perennial herb growing under chaparral; root thickened. Used medicinally.

241962. *MARAH MACROCARPA* (Greene) Greene Cucurbitaceae.

Col. No. 16709. 'Chilacote'. Meling Ranch, 25 miles east of San Telmo, Baja California. Small vine.

241963 to 241968.

From England. Budsticks presented by the East Malling Research Station, Kent. Received August 26, 1957.

241963 and 241964. *CYDONIA OBLONGA* Mill. Malaceae. **Quince.**

241963. C7/1.

241964. C7/2.

241965 and 241966. *MALUS SYLVESTRIS* (L.) Mill. Malaceae. **Apple.**

241965. 'Tydemans Early Worcester'.

241966. 'Tydemans Late Orange'.

241963 to 241968—Continued

241967 and 241968. *PYRUS COMMUNIS* L. Malaceae. **Common pear.**

241967. 'Beurre Hardy'.

241968. 'William Bon Chretien'.

241969 to 241972. *PYRUS COMMUNIS* L. **Common pear.**

From Italy. Budsticks presented by the Istituto di Fruicoltura E di Elettrogenetica, Rome. Received August 26, 1957.

241969. No. 1025.

241971. No. Itala 999.

241970. No. 2439.

241972. Mora 112.

241973 and 241974.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 27, 1957.

Private Nursery of Raymond Chenault, Close Fleuri, Orleans.

241973. *MAGNOLIA* × *SOULANGEANA* Soul. Magnoliaceae.

Col. No. 5158. 'Alba'. Flowers pure white.

241974. *PINUS NIGRA* Arnold Pinaceae.

Austrian pine.

Col. No. 5157. 'Pyramidalis'. Shrubby variety.

241975. *SCHREBERA MAZOENSIS* S. Moore Oleaceae.

From Southern Rhodesia. Seeds presented by the Conservator of Forests, Bulawayo. Received August 27, 1957.

241976 to 241981.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 27, 1957.

241976. *BEGONIA PAULENSIS* A. DC. Begoniaceae.

Col. No. 5149. Nursery of Moreira da Silva et Fihlos, Oporto. Rhizomatous perennial; leaves peltate, more or less oblique. Upper surface light green, veinlets depressed. (Plants.)

241977 to 251979. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**

241977. Col. 5139. 'Princesa Real'. Quinto do Meio, Entre Quintas, Oporto. Old Portuguese variety. (Cuttings.)

241978 and 241979. Nursery of Companhia Horticola, Oporto.

241978. Col. No. 5144. 'Dona Jane Andresen'.

241979. Col. No. 5145. 'Saudade de Martins Branco'.

241980. *SCRIPUS CERNUUS* Vahl Cyperaceae.

Col. No. 5150. Nursery of Moreira da Silva et Fihlos, Oporto. Perennial; leaves threadlike, drooping. (Plants.)

241981. *VIBURNUM JAPONICUM* (Thunb.) Spreng. Caprifoliaceae.

Col. No. 5135. Woodland, Quinta da Meio, Entre Quintas, Oporto. Evergreen shrub to 8 feet high; leaves lustrous; flowers white.

241982 to 241998. *VOANDZEA SUBTERRANEA* (L.) Thouars Fabaceae.

From Africa. Seeds presented by F. R. Irvine, London, England. Received August 27, 1957.

241982. 'Kahemba'.

241982 to 241998—Continued

241983 to 241992. Senegal, French West Africa.

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|-------------------------|--------------------------|
| 241983. V 44-1. | 241988. V 50-34B. |
| 241984. V 50-3. | 241989. V 51-1. |
| 241985. V 50-26. | 241990. V 53-1. |
| 241986. V 50-27. | 241991. V 53-11. |
| 241987. V 50-31. | 241992. V 54-7. |

241993 and 241994. Rhodesia.

- 241993.** Cream seeded.
241994. Red seeded.

241995 to 241998. Barotseland.

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|------------------------|------------------------|
| 241995. Type 1. | 241997. Type 4. |
| 241996. Type 3. | 241998. Type 5. |

241999. *MALUS SYLVESTRIS* Mill. Malaceae. **Common apple.**

From Australia. Budsticks presented by C. Longbecker & Sons Nurseries, Bundaberg, Queensland. Received September 4, 1957.

242000 to 242009. *LUPINUS LUTEUS* L. Fabaceae.**European yellow lupine.**

From the United States. Seeds held at the Agricultural Experiment Station, Gainesville, Florida. Numbered August 27, 1957.

- 242000.** G79. 'Lourinha Stamm'. No. 66.
242001. G80. 'Lourinha Stamm'. No. 64.
242002. G81. 'Palmela Stamm'. No. 70.
242003. G82. 'Pinhal Novo Stamm'. No. 78.
242004. G83. 'Brejosde Azecetao Stamm'. No. 101.
242005. G84. 'Muncheberger Gelb Susslupine Stimmi Weiko II'.
242006. G85. 'Muncheberger Gelb Susslupine Sortei Weiko III'.
242007. G86. 'Muncheberger Gelb Bitterlupine Stammi Schwarz-Kornig, Nicktplatzend'.
242008. G87. 'Muncheberger Gelb Bitterlupine Stammi 3535A'.
242009. G88. 'Muncheberger Gelb Bitterlupine Stammi: N 262'.

242010 to 242012. *MALUS SYLVESTRIS* Mill. Malaceae.**Common apple.**

From Tasmania. Budsticks presented by Mr. Oates, Grove, Huon. Received August 29, 1957.

- 242010.** 'Black Crofton'.
242011. 'Lalla'.
242012. 'Legana'.

242013 to 242026.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 29, 1957.

242013 to 242015. Nursery of Marcel Lecouffe, Boissy St. Leger, Seine et Oise.

242013. *ALOCASIA CUCULLATA* (Pers.) Schott Araceae.

Col. No. 5175. Perennial; leaves lustrous, deep green, 1 foot long. (Plant.)

242013 to 242026—Continued**242013 to 242015—Continued**

242014. *ALOCASIA WAVRINIANA* Mast.

Col. No. 5173. Rhizomatous perennial; leaves deeply dentate, auriculate and metallic green. (Plant.)

242015. *CYRTOSPERMA JOHSTONII* N. E. Br. Araceae.

Col. No. 5176. Perennial; leaf blades deeply cordate, petiole fringed, veins red. (Plants.)

242016. *FICUS RUBIGINOSA* Desf. Moraceae.

Rusty fig.

Col. No. 5166. 'Variegata'. Vilmorin-Andrieux & Co., Paris. Evergreen tree; leaves variegated white. (Cuttings.)

242017 and 242018. *GINKGO BILOBA* L. Ginkgoaceae.

Maidenhair-tree.

Jardin Kahn, St. Cloud-sur-Seine, Bois de Boulogne. (Cuttings.)

242017. Col. No. 5171. 'Pendula'. Deciduous tree to 40 feet high; branches pendulous.

242018. Col. No. 5172. 'St. Cloud'. Deciduous tree to 40 feet high; branches at right angles to trunk; leaves dense.

242019 to 242023. Nursery of Marcel Lecoufle, Boissy St. Leger, Seine et Oise.

242019 and 242020. *NEPENTHES AMPULLARIA* Jack Nepenthaceae.

242019. Col. No. 5177. Originally from Malaya. (Plants.)

242020. Col. No. 5178. 'Vittata'. (Plants.)

242021. *NEPENTHES KHASIANA* Hook. f.

Col. No. 5181. Native of India. (Plants.)

242022. *NEPENTHES RAFFLESIANA* Jack

Col. No. 5179. Originally from Malaya. (Plant.)

242023. *NEPENTHES VENTRICOSA* Blanco

Col. No. 5180. Pitchers green, constricted in the middle, six inches long. (Cuttings.)

242024 and 242025. Arboretum, Vilmorin Andrieux & Co., Paris.

242024. *PTEROCELTIS TARTARINOWII* Maxim. Ulmaceae.

Col. No. 5167. Deciduous tree to 25 feet high; habit and leaves celtis-like. (Cuttings.)

242025. *X PYRACOMELES VILMORINII* Rehder. Malaceae.

Col. No. 5168. Deciduous shrub; leaves pinnate. (Cuttings.)

242026. *ALOCASIA PORTEI* (Schott) Engl. & Becc. Araceae.

Col. No. 5174. Nursery of Marcel Lecoufle, Boissy St. Leger, Seine et Oise. Giant perennial herb; leaves deeply pinnate, lustrous green. (Plant.)

242027 and 242028.

From Denmark. Seeds presented by the Botanic Garden, University of Copenhagen, Copenhagen. Received August 29, 1957.

242027. *PISUM JOMARDII* Schrank Fabaceae.

Pea.

242028. *PISUM SATIVUM* L.

Garden pea.

242029. *PANCRATIUM MARITIMUM* L. Amaryllidaceae.

From Spain. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 3, 1957.

Col. No. 5090. In sand, east of Malaga along the coastal road, Malaga.

Bulbs to 4 inches in diameter; leaves appear in the spring; flowers white and fragrant in midsummer.

242030 to 242044.

From Portugal and Spain. Seed collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 3, 1957.

Material collected in Spain unless otherwise noted.

242030. *ANTIRRHINUM GLUTINOSUM* Boiss. & Reut. Scrophulariaceae.

Col. No. 5070. North of Granada on the road to Jaen, Province of Granada. Perennial, much-branched from the base; flowers yellowish-white.

242031. *CALLITRIS CUPRESSIFORMIS* Vent. Pinaceae.

Col. No. 5116. Park da Pena, near Sintra, west of Lisbon, Portugal

242032 to 242034. Along Granada-Vasares de Veleta road, Sierra Nevada Mountains.

242032. *CHADNORRHINUM CRASSIFOLIUM* var. *GLARESOUM* Boiss. Scrophulariaceae.

Col. No. 5068. Densely tufted rhizomatous perennial, forming small mats; flowers bluish-purple, throat reddish.

242033. *DAPHNE GINDIUM* L. Thymelaeaceae.

Col. No. 5076. Evergreen shrub, much-branched from the base; flowers at the ends of the branches, creamy-white and fragrant; fruit fleshy, orange-red.

242034. *DAPHNE OLEOIDES* Schreb.

Olive daphne.

Col. No. 5072. Much-branched evergreen shrub to 4 feet high; flowers white to purplish; fruit red.

242035. *DIANTHUS BRACHYANTHUS* Boiss. Silenaceae.

Col. No. 5063. Behind the Penones de San Francisco (Hotel), Granada-Vasares de Veleta road to Sierra Nevada Mountains. Densely tufted perennial; flowers rose.

242036. *DIGITALIS OBSCURA* L. Scrophulariaceae.

Col. No. 5075. Along road from Granada to Vasares de Veleta, Sierra Nevada Mountains. Much-branched shrub; flowers reddish yellow; leaves willowlike.

242037. *ERINACEA PUNGENS* Boiss. Fabaceae.

Col. No. 5059. Along road to the Summit of the Sierra Nevada Mountains. Densely tufted cushion plant; branches naked and spine-tipped, yellowish-green; flowers blue.

242038. *LYCIUM AFRUM* L. Solanaceae.

Col. No. 5106. Botanical Garden, University of Lisbon, Portugal. Large much-branched shrub; fruits orange.

242039. *MARRUBIUM SUPINUM* L. Menthaceae.

Col. No. 5058. Behind the Penones de San Francisco, Sierra Nevada Mountains. Rhizomatous perennial; flowers lavender.

242040. *PHLOMIS HERBA-VENTI* L. Menthaceae.

Col. No. 5071. Along stream bank north of Granada on road to Jaen. Perennial; leaves lustrous green above; flowers lavender to violet.

242041. *RHAMNUS OLEOIDES* L. Rhamnaceae.

Col. No. 5073. Along the Granada-Vasares de Veleta road to the Sierra Nevada Mountains. Fruits red, turning black.

242042 and 242043. Botanical Garden, University of Lisbon, Portugal.

242042. *QUILLAJA BRASILIENSIS* (St. Hil. & Tul.) Mart. Rosaceae.

Col. No. 5101. Tree to 30 feet high; flowers white and fragrant.

242030 to 242044—Continued**242042 to 242043—Continued****242043.** *RUPELLIA CILIATIFLORA* Hook. Acanthaceae.

Col. No. 5099. Perennial; flowers dark purple.

242044. *TOUCRIUM POLIUM* L. Menthaceae.

Col. No. 5060. Sierra Nevada Mountains, Granada-Vasares de Veleta. Densely tufted perennial; leaves grayish to silvery white; flowers yellow.

242045 to 242054. *COFFEA CANEPHORA* Pierre ex Froehn. Rubiaceae. **Robusta coffee.**

From Indonesia. Seeds presented by Balai Penyelidikan Centrale, Proefstations Vereniging, Bogor. Received September 3, 1957.

242045. B.P.-4.**242050.** B.P.-358.**242046.** B.P.-25.**242051.** S.A.-13.**242047.** B.P.-39.**242052.** S.A.-34.**242048.** B.P.-42.**242053.** S.A.-237.**242049.** B.P.-46.**242054.** S.A. Rob-BGN-300.**242055 to 242059.** *COFFEA* (hybrid). Rubiaceae.

From New Caledonia. Seeds presented by the Commission du Pacifique Sud Noumea. Received September 3, 1957.

Grown at Ponerihouen.

242055. No. 1.**242058.** No. 4.**242056.** No. 2.**242059.** No. 5.**242057.** No. 3.**242060.** *ABUTILON HYBRIDUM* Voss Malvaceae.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 4, 1957.

Col. No. 5182. 'Golden Fleece'. Nursery of H. Johnson, Halsall Road, Birkdale, Southport, England. Shrub; leaves grape-like; flowers bell shaped, yellow.

242061 to 242085. *HEVEA BRASILIENSIS* (A. Juss.) Muell.-Arg. Euphorbiaceae. **Para rubber tree.**

From Ceylon. Budsticks presented by the Director of the Rubber Research Institute, Dartonfield, Agalawatta. Received September 9, 1957.

242061. Hil 28.**242074.** RRIC 36.**242062.** Nab 12.**242075.** RRIC 37.**242063.** Nab 15.**242076.** RRIC 40.**242064.** Nab 20.**242077.** RRIC 42.**242065.** RRIC 9.**242078.** RRIC 45.**242066.** RRIC 13.**242079.** RRIC 46.**242067.** RRIC 16.**242080.** RRIC 47.**242068.** RRIC 22.**242081.** RRIC 48.**242069.** RRIC 24.**242082.** RRIC 50.**242070.** RRIC 28.**242083.** RRIC 60.**242071.** RRIC 29.**242084.** RRIC 74.**242072.** RRIC 31.**242085.** Wag 6278.**242073.** RRIC 33.

242086 to 242089.

From Morocco. Seeds presented by the Service de la Recherche, Rabat. Received September 9, 1957.

242086 to 242088. LUPINUS ANGUSTIFOLIUS L. Fabaceae. **Lupine.**

242086. L. No. 73.

242088. L. No. 77.

242087. L. No. 75.

242089. STIPA TENACISSIMA Jusl. Poaceae. **Esparto needlegrass.**

242090 to 242099.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 10, 1957.

From nursery of T. R. Hayes, Ambleside, Westmoreland, England.

242090 and 242091. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae. **Lawson falsecypress.**

242090. Col. No. 5192. 'Minima Rogersii Aurea'. Dwarf, densely fastigiate; twig ends yellow.

242091. Col. No. 5194. 'Minima Rogersii Aurea'.

242092 and 242093. CRYPTOMERIA JAPONICA (L. f.) D. Don Pinaceae. **Common cryptomeria.**

242092. Col. No. 5191. 'Globosa'. Tree, dense globose habit; twigs pendulous.

242093. Col. No. 5193.

242094 and 242095. ESCALLONIA MACRANTHA Hook. & Arn. Escalloniaceae.

242094. Col. No. 5187. Evergreen shrub; flowers pink.

242095. Col. No. 5188. 'Pride of Donard'. Evergreen shrub; flowers rich light-red.

242096. ESCALLONIA sp.

Col. No. 5185. 'William Watson'. Evergreen shrub; flowers crimson.

242097. ESCALLONIA sp.

Col. No. 5189. 'Peach Blossom'. Evergreen shrub; leaves lustrous; flowers peach pink.

242098. GENISTA TINCTORIA L. Fabaceae.

Col. No. 5195. 'Plena'. Shrub 1 foot high, spreading; flowers yellow, double.

242099. ILEX CRENATA var. NUMMULARIA (Fr. & Sav.) Yatabe Aquifoliaceae. **Holly.**

Col. No. 5184. 'Mariesii'. Evergreen shrub; leaves nearly oval, closely set on the branches.

242100 to 242104.

From Taiwan. Seeds presented by Joint Commission on Rural Reconstruction, Taipeh. Received September 10, 1957.

242100 to 242103. ARACHIS HYPOGAEA L. Fabaceae. **Peanut.**

242100. 'Tainan Pai-yu-tou No. 1'.

242101. 'Tainan Pai-yu-tou No. 2'.

242102. 'Tainung No. 1'.

242103. 'Tsingtao'.

242104. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. **Sweetpotato.**

'Tainung No. 10'. (Tubers.)

242105. EHRETIA ANACUA (Ter. & Berl.) Johnst. Boraginaceae.

From the United States. Seeds presented by Lynn Lowry, Houston, Texas.
Received September 9, 1957.

Collected on Collete Creek, near Victoria, Texas.

242106. HORDEUM sp. Poaceae.

From Japan. Seeds presented by Skikoku Agricultural Experiment Station,
Zentsuji, Kagawa. Received September 11, 1957.

'Ishadoka Hulless'.

242107. CLERODENDRUM sp. Verbenaceae.

From Costa Rica. Seeds collected by C. H. Lankester, Cerro de la Muerte,
San Isidro. Received September 11, 1957.

242108 to 242140.

From Scotland. Cuttings by F. G. Meyer, agricultural explorer, Plant Intro-
duction Section, Crops Research Division, Beltsville, Md. Received Sep-
tember 11, 1957.

From the Botanical Garden, Edinburgh.

242108 to 242110. ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.

242108. Col. No. 5213. 'Argentea Marginata'. Leaves coarse, spiny,
margin whitish band, remainder green and lustrous. (Pistillate).

242109. Col. No. 5214. 'Argentea Medio Picta'. Leaves strongly
undulate-margined, coarsely spiny-toothed, some branches with leaves
white-blotched. (Pistillate).

242110. Col. No. 5216. 'Aurea Marginata'. Leaves ovate, undulate-
margined with a yellow band on the periphery above, otherwise green and
lustrous. (Pistillate).

242111. ILEX × ALTACLARENSIS Dallim. Holly.

Col. No. 5209. 'Graecian'. Leaves variously recurved, tipped and
undulate, spiny-margined, lustrous and green. (Staminate).

242112 to 242115. ILEX AQUIFOLIUM L. English holly.

242112. Col. No. 5217. 'Ferox'. Hedge-Hog-Holly. Leaves strongly
undulate-margined, coarsely spiny over most of the upper surface, green and
lustrous. (Staminate).

242113. Col. No. 5228. 'Ferox-Argentea'. Leaves coarsely spiny with a
yellowish band. (Staminate).

242114. Col. No. 5196. 'Flavescens'. Leaves uniformly green irregularly
and coarsely spiny tipped, elliptic. (Pistillate).

242115. Col. No. 5197. 'Fructu-luteo'. Leaves coarsely spine-tipped,
uniformly deep lustrous green fruit yellow. (Pistillate).

242116 to 242121. ILEX × ALTACLARENSIS Dallim. Holly.

242116. Col. No. 5198. 'Golden King'. Leaves uniformly coarse, spiny,
some of them variously mottled yellowish through green. (Pistillate).

242117. Col. No. 5210. 'Graecian'. Leaves mostly elliptic, lustrous
green, coarsely spine-toothed. (Staminate).

242118. Col. No. 5199. 'Hodginsii Variegata'. Leaves extremely variable,
mostly coarsely spine-tipped, predominantly yellow margined, but some-
times yellow throughout. (Staminate).

242119. Col. No. 5218. 'Hodginsii'. Leaves irregularly spiny-toothed,
sometimes entire, lustrous above. (Pistillate).

242120. Col. No. 5219. 'Intermedia'. Leaves elliptic, but uniformly
coarse-spiny, green and lustrous. (Pistillate).

242108 to 242140—Continued**242116 to 242121—Continued**

242121. Col. No. 5200. 'Graecian'. Leaves elliptic, uniformly lustrous green, variously recurved-tipped and spiny undulate-toothed. (Staminate).

242122. *ILEX AQUIFOLIUM* L. **English holly.**

Col. No. 5201. 'Laurifolia'. Leaves mostly elliptic, spine tipped, lustrous green. (Staminate).

242123. *ILEX* × *ALTAACLARENSIS* Dallim. **Holly.**

Col. No. 5220. 'Whittingtonensis'. Leaves elliptic, long and coarsely undulate-toothed, lustrous green. (Staminate).

242124 and 242125. *ILEX AQUIFOLIUM* L. **English holly.**

242124. Col. No. 5221. 'Lurida Variegata'. Leaves elliptic, yellow margined, otherwise deep lustrous green. (Pistillate).

242125. Col. No. 5202. 'Maderensis Variegata'. Leaves ovate, coarsely spiny-tipped, upper surface suffused yellow, variegated or green. (Pistillate).

242126. *ILEX* × *ALTAACLARENSIS* Dallim.

Col. No. 5222. 'Nobilis'. Leaves broadly ovate to elliptic, irregularly spiny-margined; twigs deep purplish. (Staminate).

242127 to 242130. *ILEX AQUIFOLIUM* L. **English holly.**

242127. Col. No. 5224. 'Pendula'. Branches pendulous; leaves coarsely undulate-toothed, lustrous green. (Pistillate).

242128. Col. No. 5223. 'Ovata'. Leaves ovate, uniformly short, coarsely spiny, very thick, lustrous green. (Staminate).

242129. No. 5203. 'Crispa'. Leaves variously twisted and recurved, very thick. (Staminate).

242130. Col. No. 5225. 'Serratifolia'. Leaves ovate, elliptic, undulate-margined, coarse, spiny teeth. (Staminate).

242131. *ILEX* × *ALTAACLARENSIS* Dallim.

Col. No. 5226. 'Shepherdii'. Leaves broadly ovate, irregularly and coarsely spiny, lustrous; twigs purplish. (Staminate).

242132. *ILEX* × *ALTAACLARENSIS* Dallim.

Col. No. 5227. 'Whittingtonensis'. Leaves elliptic, strongly and very coarsely spiny, undulate-margined, lustrous, green above. (Staminate).

242133. *ILEX* × *ALTAACLARENSIS* Dallim.

Col. No. 5204. 'Wilsonii'. Leaves broadly ovate, coarsely spiny-toothed; margin semi-undulate; fruits red. (Pistillate).

242134. *ILEX AQUIFOLIUM* L. **English holly.**

Col. No. 5215. 'Argentea-Marginata'. Leaves ovate, irregularly and coarsely spiny-toothed; margin with olive-green band. (Pistillate).

242135. *ILEX CILIOSPINOSA* Loes.

Col. No. 5205. Small evergreen tree; leaves ovate; spines short, soft.

242136 and 242137. *ILEX FRANCHETIANA* Loes.

242136. Col. No. 5211. Small evergreen tree or large shrub; staminate, with a few pistillate flowers.

242137. Col. No. 5212. Small evergreen tree or large shrub.

242138. *ILEX AQUIFOLIUM* L. **English holly.**

Col. No. 5206. Leaves elliptic, tip spiny.

242108 to 242140—Continued

242139. *ILEX PERNYI* Franch.

Col. No. 5207. Leaves elliptic, coarsely spine-tipped, lustrous, thick.

242140. *ILEX PERNYI* var. *VEITCHII* (Veitch) Rehd.

Col. No. 5208. Leaves ovate-elliptic, coarsely spine-tipped.

242141 to 242151. *DIOSCOREA* sp. Dioscoreaceae.

From Brazil. Tubers presented by W. Oliveira Costa, Rio de Janeiro. Received September 11, 1957.

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| 242141. A.M. 5. | 242147. MG-1. |
| 242142. A.M. 7. | 242148. R.J. 2. |
| 242143. A.M. 8. | 242149. R.J. 3. |
| 242144. A.M. 9. | 242150. R.J. 4. |
| 242145. A.M. 10. | 242151. R.J. 6. |
| 242146. A.M. 11. | |

242152 to 242170.

From Australia. Seeds presented by E. A. Menninger, Stuart, Florida. Received September 12, 1957.

Originally from the Botanic Garden, Adelaide, unless otherwise noted.

242152. *BAIKAIEA PLURIJUGA* Harms Caesalpinaceae.

Conservator of Forests, Matabeleland, Africa.

242153. *CALLISTEMON PACHYPHYLLUS* Cheel Myrtaceae. **Bottlebrush.**

242154. *CALLISTEMON TERETIFOLIUS* F. Muell. **Bottlebrush.**

242155. *CALOTHAMNUS LONGISSIMUS* F. Muell. Myrtaceae.

242156. *CALOTHAMNUS RUPESTRIS* Schau.

242157. *CAPPARIS SPINOSA* L. Capparidaceae. **Caper.**

242158. *COREOPSIS DOUGLASHII* (DC.) H. M. Hall Asteraceae.

242159. *ERYTHRINA LYSISTEMON* Hutch. Fabaceae.

242160. *EUCALYPTUS ERYTHRONEMA* Turcz. Myrtaceae. **Gum.**

242161. *EUCALYPTUS SEPULCRALIS* F. Muell.

242162. *MELALEUCA DENSA* R. Br. Myrtaceae.

242163. *MELALEUCA GLOMERATA* F. Muell.

242164. *MELALEUCA INCANA* R. Br.

242165. *MELALEUCA LATERIFLORA* Benth.

242166. *MELALEUCA LONGICOMA* Benth.

242167. *MELALEUCA MEGACEPHALA* F. Muell.

242168. *MELALEUCA SQUAMEA* Labill.

242169. *MELALEUCA SQUARROSA* J. E. Sm.

242170. *MELALEUCA STEEDMANII* C. A. Gard.

242171 to 242181.

From Scotland. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 12, 1957.

From the Botanical Garden, Edinburgh.

242171 to 242181—Continued

242171. *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**

Col. No. 5233. 'Aurea-Regina'. Golden Queen Holly. Leaves mostly ovate, coarsely undulate-toothed, margins uniformly golden yellow. (Staminate)

242172. *ILEX* × *ALTACLARENSIS* Dallim.

Col. No. 5238. 'Camelliaefolia'. Plant pistillate; leaves to 6 inches long, spine-toothed to entire.

242173 to 242178. *ILEX AQUIFOLIUM* L. **English holly.**

242173. Col. No. 5231. 'Ciliata Major'. Tree to 20 feet high; twigs purplish; leaves entire, variously undulate-margined, rarely flat.

242174. Col. No. 5234. 'Crassifolia'. Plant pistillate; leaves narrowly elliptic, thick uniformly coarse spine-toothed, semi-undulate margined.

242175. Col. No. 5237. 'Handsworth New Silver'. Leaves to 3 inches long, elliptic, uniformly coarse, long spine-toothed, semi-undulate, margins a narrow white band. (Staminate)

242176. Col. No. 5229. 'Pendula Tricolor'. Leaves uniformly coarse spine-toothed, margins mostly flat with a cream colored band. (Pistillate)

242177. Col. No. 5230. 'Watereriana'. Plant staminate, to 6 feet high, not very strong; leaves irregularly coarse, spine-toothed, sometimes entire, margin with a narrow yellow band.

242178. Col. No. 5235. 'Recurva'. Leaves uniformly coarse, undulate-spiny, lustrous green throughout. (Staminate)

242179. *ILEX CRENATA* Thunb. **Japanese holly.**

Col. No. 5239. 'Major'. Evergreen shrub to 10 feet high.

242180. *ILEX* × *BEANII* Rehd.

Col. No. 5332. (*I. aquifolium* × *I. dipyrrena*) Small evergreen tree; leaves finely spine-margined, dull green, lighter below; fruits red.

242181. *ILEX AQUIFOLIUM* L. **English holly.**

Col. No. 5236. 'Maderensis'. Leaves broadly ovate, sparsely spine-toothed to entire, lustrous green above; fruits red. (Pistillate)

242182 to 242194.

From Scotland. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 13, 1957.

From the Royal Botanical Garden, Edinburgh.

242182 to 242185. *ILEX AQUIFOLIUM* L. **English holly.**

242182. Col. No. 5249. 'Aurea-Marginata Angustifolia'. Leaves coarsely spine-toothed, margins undulate with a yellowish green band.

242183. Col. No. 5243. 'Argentea-Marginata'. Leaves uniformly coarse spine-toothed, margins with a narrow creamy-white band; branches pendulous. (Pistillate)

242184. Col. No. 5241. 'Aurea Medio-Picta'. Golden Milkmaid Holly. Leaves uniformly coarse spine-toothed, margins with a band of white.

242185. Col. No. 5247. 'Balearica'. Leaves mostly ovate, dull green above, spines soft.

242186. *ILEX* × *ALTACLARENSIS* Dallim.

Col. No. 5252. 'Camelliaefolia Aurea-Marginata'. Pistillate plant; leaves irregularly spine-toothed, variously mottled and blotched yellow, margins yellow or greenish yellow.

242182 to 242194—Continued**242187.** *ILEX AQUIFOLIUM* L.**English holly.**

Col. No. 5244. 'Ferox Aurea'. Staminate plant; leaves ovate, strongly coarse spine-toothed, undulate-margined, margins recurved, upper surface of the leaf, spiny towards the tip.

242188. *ILEX* × *ALTAFLARENSIS* Dallim.

Col. No. 5240. 'Donningtonensis'. Leaves irregularly coarse toothed, tip often recurved. (Staminate)

242189 to 242191. *ILEX AQUIFOLIUM* L.**English holly.**

242189. Col. No. 5246. 'Latispina'. Staminate plant; leaves irregularly shaped, sometimes oblique at the tip, margins variously undulate, spiny.

242190. Col. No. 5242. 'Scotica'. Twigs purplish; leaves faintly undulate-margined, entire, tip obtuse or spiny, thick. (Staminate)

242191. Col. No. 5250. (Unnamed cultivar). Leaves coarsely spine-toothed, with a narrow yellowish-green margin.

242192. *ILEX FRANCHETIANA* Loes.

Col. No. 5251. Large evergreen shrub; leaves elliptic to oblanceolate. Grown under Wilson 148.

242193. *ILEX FRANCHETIANA* Loes.

Col. No. 5248. Leaves evergreen, elliptic, finely serrate, tip acuminate.

242194. *ILEX* × *ALTAFLARENSIS* Dallim.

Col. No. 5245. Leaves strongly and coarsely spine-toothed, undulate.

242195. *EUPHORBIA LANCIFOLIA* Schlecht. Euphorbiaceae.

From the United States. Plants growing at the U.S. Plant Introduction Garden, Glenn Dale, Md. Numbered September 16, 1957.

Originally obtained through Mrs. Linda Burgess, Bethesda, Md., and Dr. Donovan Correll, Renner, Texas.

242196 to 242203. *LINUM USITATISSIMUM* L. Linaceae.**Common flax.**

From Australia. Seeds presented by the State Research Farm, Werribee, Victoria. Received September 16, 1957.

Fibers cultivars.

242196. 'Currong W-275-A'.**242197.** 'Standard W-276-A'.**242198.** 'W 6261FKA-14'.**242199.** 'W 8041CC-3'.

Oil cultivars.

242200. 'Hazeldean'.**242201.** 'H 39 Seln'.**242202.** 'Lin de Tunise'.**242203.** 'Uruguay'.**242204 to 242226.**

From Scotland. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 17, 1957.

From the Royal Botanical Garden, Edinburgh.

242204. *GAZANIA* × *SPLENDENS* Henderson Asteraceae.

Col. No. 5267. Perennial; flowers deep orange with a black eye.

242204 to 242226—Continued**242205. GAZANIA sp.**

Col. No. 5260. 'Freddie'. Perennial; leaves lustrous green above, white tomentose below; flowers burgundy color.

242206. GAZANIA RIGENS (L.) Moench

Col. No. 5274. Perennial; leaves silvery gray; rays yellow with black eye.

242207 to 242214. POTENTILLA FRUTICOSA L. Rosaceae. Shrubby cinquefoil

242207. Col. No. 5256. Much-branched shrub; leaves silvery gray below, lighter above; flowers deep yellow.

242208. Col. No. 5259. Shrub to 3 feet high; branches semi-spreading.

242209. Col. No. 5269. 'Arbuscula'. Much-branched shrub, forming a round-headed crown; flowers lemon-yellow.

242210. Col. No. 5266. 'Argentea Nana'. Much-branched shrub, forming a dense round-headed crown; leaves silvery-gray; flowers yellow.

242211. Col. No. 5258. 'Beesii'. Much-branched shrub to 2.5 feet high, round-headed in habit; foliage silvery-gray.

242212. Col. No. 5272. Much-branched shrub, forming a dense round head; leaves green; flowers deep yellow.

242213. Col. No. 5263. Much-branched upright shrub to 4 feet high; flowers white.

242214. Col. No. 5261. Erect shrub; foliage bright green, dense; flowers bright yellow.

242215 and 242216. POTENTILLA FRUTICOSA var. FARRERI Besant.

242215. Col. No. 5257. Much-branched, round-headed shrub; flowers deep yellow.

242216. Col. No. 5268. Much-branched, round-headed shrub; flowers 1.25 inches across.

242217 and 242218. POTENTILLA FRUTICOSA L. Shrubby cinquefoil.

242217. Col. No. 5264. Densely branched shrub, round-headed type.

242218. Col. No. 5275. Upright shrub; flowers white.

242219. POTENTILLA FRUTICOSA var. GRANDIFLORA Willd.

Col. No. 5265. Much-branched shrub; stems coarse; flowers 1.5 inches across.

242220. POTENTILLA FRUTICOSA var. MANDSHURICA Maxim.

Col. No. 5271. Much-branched shrub, forming a round-headed crown; leaves silvery-gray; flowers white.

242221 and 242222. POTENTILLA FRUTICOSA var. RIGIDA (Wall. ex Lehm.) Wolf

242221. Col. No. 5270. Upright shrub, not densely branched; flowers deep yellow.

242222. Col. No. 5273. Much-branched shrub, semisprawling; flowers deep yellow.

242223. POTENTILLA FRUTICOSA var. VILBORINIANA Komar. Cinquefoil.

Col. No. 5276. Erect shrub; branches all ascending; foliage silvery-gray; flowers creamy-yellow.

242224. ROSA STELLATA var. MIRIFICA (Greene) Cockerell Rosaceae.

Col. No. 5262. Shrub; branches arching; canes coarsely scabrous; prickles white; flowers deep pink.

242225 and 242226. ROSA XANTHINA f. SPONTANEA Rehder Korean Rose.

242225. Col. No. 5254. Large shrub; canes and prickles red; flowers lemon-yellow; fruit black-violet.

242226. Col. No. 5255. Large shrub; branches drooping. (Seeds.)

242227 to 242255.

From Scotland. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction, Crops Research Division, Beltsville, Md. Received September 17, 1957.

Royal Botanic Garden, Edinburgh.

242227. COLLETIA INFAUSTA N. E. Br. Rhamnaceae.

Col. No. 5294. Much-branched shrub; branches stiff, green, leafless; flowers white.

242228. GAZANIA sp. Asteraceae.

Col. No. 5290. 'Sunfire'. Perennial; leaves lustrous green above, white tomentose below; flowers burnt-orange with a black eye.

242229. LEUCOJUM AUTUMNALE L. Amaryllidaceae. **Snowflake.**

Col. No. 5280. 'Wisley'. Robust perennial; flowers larger than typical form. (Bulbs.)

242230. LEUCOJUM VERNUM var. CARPATICUM Herb.

Col. No. 5291. Flowers white, segments yellow-tipped. (Bulbs.)

242231. MANDRAGORA OFFICINARUM L. Solanaceae.

Col. No. 5292. Perennial; root thick, forked. (Plant.)

242232. OSMANTHUS ARMATUS Diels Oleaceae.

Col. No. 5298. Shrub or tree to 20 feet high; leaves coarsely spine-margined; flowers white.

242233. OSMANTHUS DELAVAYI Baill. **Delavay osmanthus.**

Col. No. 5300. Large evergreen shrub; flowers white.

242234. OSMANTHUS YUNNANENSIS (Franch.) P. S. Green

Col. No. 5296. Evergreen shrub or tree to 20 feet high; leaves strongly short-spined, dull green above; flowers white, small and fragrant.

242235. OSMANTHUS FRAGRANS LOUR.

Col. No. 5299. 'Aurantiacus'. Evergreen shrub; leaves bright green above, shallowly serrate; flowers orange-colored.

242236. OSMANTHUS × FORTUNEI Carr.

Col. No. 5303. Large evergreen shrub; leaves coarsely toothed, thick, dark green above.

242237 and 242238. OSMANTHUS HETEROPHYLLUS (G. Don) P. S. Green

242237. Col. No. 5295. 'Myrtifolius'. Large evergreen shrub; leaves entire, narrow-oval.

242238. Col. No. 5301. 'Rotundifolius'. Evergreen shrub; leaves broadly ovate, long, margins undulate.

242239. OSMANTHUS SERRULATUS Rehder

Col. No. 5304. Evergreen shrub; leaves elliptic, shallowly serrate, lustrous above.

242240. OSMANTHUS SUAVIS C. B. Clarke

Col. No. 5302. Evergreen shrub; leaves lustrous green above; flowers white.

242241. × OSMAREA BURKWOODII Burk & Skipw. Oleaceae.

Col. No. 5305. (*Osmanthus delavayi* × *Phillyrea decora*).

Evergreen shrub to 10 feet high, of spreading habit; leaves to two inches long; flowers white.

242242 to 242245. POTENTILLA FRUTICOSA L. Rosaceae. **Shrubby cinquefoil.**

242242. Col. No. 5297. Much-branched shrub, forming a round-headed plant; flowers white.

242227 to 242255—Continued**242242 to 242245—Continued**

242243. Col. No. 5283. Much-branched shrub, forming a dense round-headed plant; flowers deep yellow.

242244. Col. No. 5281. Low shrub with spreading branches; flowers deep yellow.

242245. Col. No. 5284. Erect shrub; branches mostly ascending; flowers yellow.

242246. POTENTILLA FRUTICOSA var. VEITCHII (Wils.) Bean**Veitch cinquefoil.**

Col. No. 5282. Erect shrub; branches mostly ascending; flowers white.

242247. SALIX BOCKII Seem. Salicaceae.**Willow.**

Col. No. 5277. Shrub; leaves elliptic, shiny above, bluish white beneath. (Pistillate)

242248. SALIX × BOYDII E. F. Linton

Col. No. 5289. Erect shrub; leaves nearly oval, lustrous green above, whitish below.

242249 and 242250. SALIX LANATA L.

242249. Col. No. 5278. Shrub to 3 feet high; leaves elliptic to broadly ovate.

242250. Col. No. 5279. Staminate plant.

242251. SALIX LAPPONUM var. STUARTIANUM Bab.

Col. No. 5287. Deciduous shrub to 30 inches high; branches spreading; leaves broadly ovate.

242252. SALIX REPENS L.

Col. No. 5288. Much-branched shrub; leaves green above and silvery below.

242253 and 242254. SALIX RETICULATA L.

242253. Col. No. 5285. Prostrate shrub; leaves broadly ovate.

242254. Col. No. 5293. Much-branched prostrate shrub; leaves broadly ovate.

242255. VACCINIUM DELAVAYI Franch. Vacciniaceae.**Blueberry.**

Col. No. 5286. Much-branched evergreen shrub; leaves lustrous green above, dull below.

242256 to 242259.

From Africa. Seeds presented by E. A. Menninger, Stuart, Fla.

Received September 17, 1957.

242256. AMBLYGONOCARPUS OBTUSANGULUS (Welw.) Harms Mimosaceae.

242257. CLERODENDRUM GLABRUM E. Mey. Verbenaceae.

242258. TRICHILIA EMETICA Vahl Meliaceae.

242259. TRIPLOCHITON ZAMBESIACUS Milne-Redhead Sterculiaceae.

242260 to 242265.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 20, 1957.

From Baja California, Mexico, unless otherwise noted.

242260. ARCTOSTAPHYLOS GLAUCA Lindl. Ericaceae.

Col. No. 16849. Aquanga, Riverside, Cal. Elevation 2,200 feet. Large evergreen xerophytic shrub.

242260 to 242265—Continued

242261. *PENSTEMON SPECTABILIS* Thurb. Scrophulariaceae.

Col. No. 16846. Nineteen miles east of Ensenada. Elevation 2,200 feet. Herb stooling from the base with 3 to 8 stems; flowers lavender.

242262 and 242263. Santo Tomas.

242262. *RHAMNUS CROCOA* ssp. *ILICIFOLIA* (Kellogg) C. B. Wolfe Rhamnaceae.

Col. No. 16791. Spreading shrub; twigs spiny; fruits bright red. A squirrel, when eating this fruit, was observed to go into convulsions and die within 5 minutes.

242263. *SALVIA APIANA* Jepson Menthaceae.

Col. No. 16861. White Sage. Perennial herb.

242264. *SALVIA CLEVELANDII* (Gray) Greene

Col. No. 16859. Ten miles east of Ensenada. Low spreading bush; flowers blue; strongly aromatic, odor persisting in the dry heads.

242265. *VICIA* sp. Fabaceae.

Col. No. 16732. Canyada del Picacho. Perennial herb.

242266 to 242376.

From Scotland. Cuttings by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 20, 1957.

From the Botanical Garden, Edinburgh.

242266. *ACER SIKKIMENSE* Miquel Aceraceae.

Col. No. 5328. Small deciduous tree; bark smooth, white striped; leaves ovate, shallowly dentate.

242267. *BERBERIS* × *HYBRIDO-GAGNEPAINII* Sur. Berberidaceae.

Col. No. 5335. 'Tottenham'. Much-branched evergreen shrub to 3 feet high; stems spiny; leaves narrowly lanceolate.

242268. *BUDDLEIA FALLOWIANA* Balf. f. & W. W. Smith Loganiaceae.

Col. No. 5330. Shrub to 5 feet high; leaves lanceolate, green above, white tomentose below; flowers rose-purple, with an orange eye; fragrant.

242269. *BUDDLEIA NAPPII* Lorenz.

Col. No. 5307. Shrub to 5 feet high; leaves green above, silvery pubescent below.

242270. *CARRIEREA CALYCINA* Franch. Flacourtiaceae.

Col. No. 5319. Deciduous tree to 15 feet high; leaves elliptic, acuminate, shallowly serrate; veins reddish.

242271. *CHILIOTRICHUM ROSMARINIFOLIUM* Less. Asteraceae.

Col. No. 5308. Much-branched shrub to 5 feet high; leaves linear; flowers white.

242272. *CLETHRA DELAVAYI* Franch. Clethraceae.

Col. No. 5312. Deciduous shrub; leaves elliptic, green above, glaucous below.

242273. *ERCILLA VOLUBILIS* A. Juss. Phytolaccaceae.

Col. No. 5342. Rampant evergreen climber; leaves ovate, margin wavy.

242274. *EUONYMUS WILSONII* Sprag. Celastraceae.

Col. No. 5321. Small evergreen tree; leaves oblanceolate, acuminate, dark green above, whitish below.

242266 to 242376—Continued

- 242275 and 242276.** *GENISTA VIRGATA* Link Fabaceae. **Tall woodwaxen.**
242275. Col. No. 5306. Much-branched large shrub; leaves gray.
243276. Col. No. 5345. (Seeds.)
- 242277.** *HEDERA HELIX* L. Araliaceae. **English ivy.**
 Col. No. 5318. 'Algeriensis'. Climbing evergreen shrub; juvenile leaves of irregular shape.
- 242278.** *HEDERA RHOMBEA* (Miq.) Bean
 Col. No. 5322. Japanese Ivy. Climbing evergreen shrub; leaves cordate, acuminate.
- 242279 and 242280.** *HYDRANGEA HETEROMALLA* D. Don Hydrangeaceae.
242279. Col. No. 5343. Deciduous shrub to 10 feet high; leaves serrate, dark green above.
242280. Col. No. 5337. Deciduous shrub; leaves elliptic, strongly serrate; veins strongly impressed above.
- 242281.** *HYPERICUM PATULUM* Thumb. Hypericaceae.
 Col. No. 5331. 'Hidcote Gold'. Perennial to 2 feet high; flowers deep yellow.
- 242282.** *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**
 Col. No. 5315. 'Balearica'. Evergreen shrub to 20 feet high; leaves sparingly spined.
- 242283.** *ILEX CORALLINA* Franch. **Coral holly.**
 Col. No. 5324. Evergreen tree; leaves shallow spined, dull green above; fruits red.
- 242284.** *JASMINUM WALICHIANUM* Lindl. Oleaceae.
 Col. No. 5317. Much-branched robust shrub; branches arching; flowers yellow.
- 242285.** *LONICERA* sp. Caprifoliaceae.
 Col. No. 5325. Deciduous shrub; branches trailing; leaves obovate.
- 242286.** *MAHONIA × WAGNERI* (Jouin) Rehd. Berberidaceae.
 Col. No. 5334. Evergreen shrub to 3 feet high; leaves dull green above, sharply spined.
- 242287.** *MAHONIA AQUIFOLIUM* (Pursh) Nutt. **Oregongrape.**
 Col. No. 5341. 'Aldenhamensis'. Evergreen shrub to 3 feet high; leaves dull green above, regularly spine-toothed; petioles reddish.
- 242288.** *OSMANTHUS DELAVAYI* Baill. Oleaceae. **Delavay osmanthus.**
 Col. No. 5344. Evergreen shrub to 15 feet high; flowers white. (Seeds.)
- 242289.** *OSMANTHUS YUNNANENSIS* (Franch.) P. S. Green
 Col. No. 5296. Large evergreen shrub; leaves with short margined spines.
- 242290 to 242292.** *OSMANTHUS HETEROPHYLLUS* (G. Don) P. S. Green
242290. Col. No. 5310. 'Aureus'. Large shrub; leaves deeply toothed and spine tipped, margin yellowish-green.
242291. Col. No. 5311. 'Purpureus'. Evergreen shrub or small tree; leaves usually entire; veins purplish.
242292. Col. No. 5329. 'Variegatus'. Small evergreen tree or large shrub; leaves variously blotched and suffused white.
- 242293.** *OSMANTHUS SUAVIS* C. B. Clarke
 Col. No. 5333. Evergreen shrub to 10 feet high; leaves ovate to elliptic, lustrous green above.

242266 to 242376—Continued

242294. *PHOTINIA GLOMERATA* Rehd. & Wils. Malaceae.

Col. No. 5336. Evergreen shrub; leaves obovate, strongly undulate, spine-margined.

242295. *PIERIS JAPONICA* (Thunb.) G. Don. Ericaceae. **Japanese pieris.**

Col. No. 5313. 'Variegata'. Evergreen shrub to 6 feet high; leaves white-margined.

242296. *PILEOSTEGIA VIBURNOIDES* Hook. f. & Thoms. Hydrangeaceae.

Col. No. 5338. Evergreen climber; leaves long, elliptic.

242297. *PIPTANTHUS FORRESTII* Craib. Fabaceae.

Col. No. 5327. Deciduous shrub; leaves ternate, deep green above; new shoots silvery.

242298. *POTENTILLA FRUTICOSA* L. Malaceae. **Shrubby cinquefoil.**

Col. No. 5340. 'Orchroleuca'. Much-branched erect shrub to 30 inches high; flowers creamy-yellow.

242299. *RHODODENDRON HODGSONII* Hook. f. Ericaceae.

Col. No. 5314. Evergreen shrub to 25 feet high; leaves leathery, metallic sheen above; flowers crimson.

242300. *RHODODENDRON MACABEANUM* Watt

Col. No. 5323. Large evergreen shrub; leaves dark green above, white tomentose below; flowers creamy-yellow.

242301. *RIBES LAURIFOLIUM* Jancz. Grossulariaceae.

Col. No. 5320. Shrub with reclining branches; leaves elliptic to ovate, strongly serrate-dentate.

242302. *RICHEA SCOPARIA* Hook. f. Epacridaceae.

Col. No. 5309. Low spreading shrub to 3 feet high; leaves spirally arranged, narrowly linear, acuminate, sharply spine-tipped.

242303. *SAMBUCUS RACEMOSA* L. Caprifoliaceae. **European red elder.**

Col. No. 5332. 'Laciniata'. Deciduous shrub; branches pendulous; leaves finely dissected and divided.

242304. *CYTISUS INGRAMI* Blackl. Fabaceae.

Col. No. 5316. Shrub to 15 feet high; flowers yellow.

242305. *SKIMMIA REEVESIANA* Fortune. Rutaceae.

Col. No. 5326. 'Rubella'. Small evergreen shrub; leaves oblanceolate; flowers white.

242306. *SYCOPSIS SINENSIS* Oliver. Hamamelidaceae.

Col. No. 5339. Large evergreen shrub; stamens yellowish-green.

242307. *ABUTILON INSIGNE* Planch. Malvaceae.

Col. No. 5399. Shrub to 8 feet high; leaves cordate, acuminate, undulate.

242308. *ABUTILON MEGAPOTAMICUM* (Spreng.) St. Hil. & Naud.

Col. No. 5394. Weak stemmed shrub; leaves ovate, cordate; flowers with yellow petals, red calyx.

242309. *ABUTILON VITIFOLIUM*.

Col. No. 5409. 'Souvenir de Bonn'. Leaves deeply lobed, white-margined; flowers orange-red on long lax pedicels.

242310. *ABUTILON* sp.

Col. No. 5388. 'Red Ashfold'. Large shrub; leaves ovate, three-lobed, acuminate; flowers bell-shaped, pendulous on long pedicels, orange-red.

242266 to 242376—Continued

242311. *ALYXIA DAPHNOIDES* A. Cunn. Apocynaceae.

Col. No. 5375. Evergreen shrub; leaves verticillate; flowers white and fragrant.

242312. *AMARALIA SHERBOURNIAE* (Hook.) Wernham Rubiaceae.

Col. No. 5408. Vigorous evergreen climber; leaves ovate or elliptic, upper surface dark green, light green beneath.

242313. *ANCHOMANES HOOKERI* (Kunth) Schott Araceae.

Col. No. 5366. Tuberous-rooted perennial; stalk green with purple spots; leaves pinnately divided at the top of a 3 foot scape. (Plant.)

242314. *ARGYREIA HIRSUTA* Wight & Arn. Convolvulaceae.

Col. No. 5363. Rampant climber; leaves broadly cordate, ovate, and hairy; flowers lavender.

242315. *ARISTOLOCHIA ARGYRONEURA* Hort. ex Gentil Aristolochiaceae.

Col. No. 5413. Rampant climber; leaves cordate, base of blade red, veins whitish.

242316. *ARISTOLOCHIA WESTLANDII* Hemsl.

Col. No. 5384. Climber to 20 feet high; leaves leathery, narrowly elliptic, dark green above and lighter below.

242317. *BEGONIA LUXURIANS* Scheidw. Begoniaceae.

Col. No. 5378. Fibrous-rooted perennial; leaves digitately compound, petioles and base of leaflets reddish, deep green above, serrate.

242318. *BEGONIA PRISMATOCARPA* Hook.

Col. No. 5391. Rhizomatous perennial; leaves ovate, acuminate; flowers yellow. (Plants.)

242319. *BEGONIA RAJAH* Ridley.

Col. No. 5392. Rhizomatous perennial; petiole to 8 inches long, leaf blade oblique, undulate margined.

242320. × *BERTOLONIA HOUTTEANA* Van Houtte. Melastomataceae.

Col. No. 5371. Delicate, rhizomatous perennial; leaves ovate to nearly oval, hairy above, strongly veined, suffused coral-pink throughout. Thought to be a bigeneric hybrid of *Bertolonia* × *Sonerila*.

242321. *BUNCHOSIA ARGENTEA* (Jacq.) DC. Malpighiaceae.

Col. No. 5349. Climbing evergreen shrub; leaves mostly elliptic, lustrous green above, silvery-tomentose below.

242322. *CALATHEA NIGRICANS* Gagnep. Marantaceae.

Col. No. 5374. Rhizomatous perennial to 5 feet high; stems seminaked below; leaves tufted at the top, lanceolate, lustrous green above and reddish below. (Plants.)

242323. *CHLORANTHUS* sp. Chloranthaceae.

Col. No. 5348. Perennial to 3 feet high; leaves ovate or elliptic, to 6 inches long, bullate above, shiny green; stems swollen at the nodes.

242324. *CLINOGYNE GRANDIS* (Miq.) Benth. & Hook. f. Marantaceae.

Col. No. 5364. Rhizomatous, rank-growing perennial; leaves to 4 feet long. (Plants.)

242325. *CLYTOSTOMA BINATUM* (Thunb.) Sandwith. Bignoniaceae.

Col. No. 5410. Rank-growing evergreen climber with tendrils; leaves dark green; flowers bright orchid.

242266 to 242376—Continued

242326. *COCHLIOSTEMA JACOBIANUM* C. Koch & Linden Commelinaceae.

Col. No. 5362. Coarse, stemless epiphytic herb; leaves closely imbricated from base, spatulate; flowers dark purplish-blue. (Plant.)

242327. *COMBRETUM COCCINEUM* (Sonner.) Lam. Combretaceae.

Col. No. 5379. Evergreen vine to 20 feet long; leaves elliptic, to 4 inches long; flowers scarlet.

242328. *COSTUS TAPPENBECKIANUS* J. Braun & K. Schum. Zingiberaceae.

Col. No. 5365. Rhizomatous perennial to 4 feet high; stems succulent; leaves ovate to nearly oval.

242329. *DALECHAMPIA SPATHULATA* (Scheidw.) Baill. Euphorbiaceae.

Col. No. 5347. Perennial to 2 feet high; leaves oblanceolate; flowers subtended by rose colored bracts.

242330. *DISCHIDIA ALBIDA* Griff. Asclepiadaceae.

Col. No. 5353. Creeping perennial; stems succulent; leaves fleshy; flowers white, inconspicuous.

242331. *DRIMYS LANCEOLATA* (Poir.) Baill. Magnoliaceae.

Col. No. 5380. Evergreen shrub; leaves elliptic to oblanceolate, dark green, petioles and twigs red.

242332. *PRESTONIA VENOSA* (Lindl.) Nichols. Apocynaceae.

Col. No. 5369. Rank growing evergreen climber; leaves lanceolate, green with white veins.

242333. *ERYTHROXYLON COCA* Lam. Erythroxylaceae. **Cocaine-plant.**

Col. No. 5403. Evergreen shrub to 10 feet high; leaves narrowly oval; flowers greenish-white or yellowish.

242334. *EUGENIA MYRIOPHYLLA* Casaretti Myrtaceae.

Col. No. 5386. Evergreen shrub to 4 feet high; leaves needlelike, dark green, soft.

242335. *BREDIA TUBERCOLATA* (Guill.) Diels Melastomataceae.

Col. No. 5389. Perennial to 8 inches high, spreading to form large clumps; leaves ovate, acuminate, shiny green above and purplish below; flowers pink.

242336. *GARCINIA TINCTORIA* (DC.) W. F. Wight Clusiaceae.

Col. No. 5359. Climbing evergreen shrub; trunk woody; upper branches pendulous and in need of support; leaves to 8 inches long.

242337. *GLAZIOVIA BAUHINIODES* Bur. Bignoniaceae.

Col. No. 5406. Delicate creeper; leaves bifid, 1 inch long; climbing by tendrils with discs at the tips.

242338. *GOODENIA OVATA* J. E. Sm. Goodeniaceae.

Col. No. 5401. Shrub to 3 feet high; leaves lanceolate, serrate; flowers yellow.

242339. *GOUANIA NAPALENSIS* Wall. ex Roxb. Rhamnaceae.

Col. No. 5382. Rank growing evergreen climber with stout tendrils; leaves broadly ovate, cordate.

242340. *HIBISCUS SYRIACUS* L. Malvaceae. **Shrub-althea.**

Col. No. 5493. 'Hamabo'. Deciduous shrub; flowers a clear pink with red eye.

242341. *HIPPOCRATEA OBTUSIFOLIA* Roxb. Hippocrateaceae.

Col. No. 5404. Climbing evergreen shrub; leaves elliptic to ovate, lustrous green above.

242266 to 242376—Continued

242342. *IMPATIENS* sp. Impatiaceae.

Col. No. 5405. Vigorous perennial; stems semisucculent; leaves sculptured above, deep green; flowers white.

242343. *IPOMOEA HORSFALLIAE* Hook. Convolvulaceae. **Morning-glory.**

Col. No. 5396. 'Rheedii'. Vigorous climber; leaves deeply lobed, crenulate, lustrous green above.

242344. *KOPSIA FRUTICOSA* (Ker.) DC. Apocynaceae.

Col. No. 5357. Evergreen shrub; leaves obovate or elliptic, lustrous green above; flowers deep pink.

242345. *LEYCESTERIA CROCOTHYRSOS* Airy-Shaw Caprifoliaceae.

Col. No. 5412. Shrub to 6 feet high; leaves ovate or elliptic, crenulate; flowers yellow, in clusters at the tips of the branches.

242346. *MARCGRAVIA UMBELLATA* L. Marcgraviaceae.

Col. No. 5355. Climbing evergreen shrub, clinging by roots; leaves dimorphic, the aerial ones lanceolate to elliptic, acuminate, others broadly ovate.

242347. *MEDINILLA VENOSA* Blume Melastomataceae.

Col. No. 5397. Shrub to 3 feet high; leaves elliptic, petiolate, strongly veined, lustrous green above, soft whitish pubescent below; flowers pink.

242348. *MICONIA SALDANHAEI* Cogn.

Col. No. 5385. Shrub to 6 feet high; stems silvery; leaves broadly ovate, deep green above, lighter green below.

242349. *MOMORDICA CHARANTIA* L. Cucurbitaceae.

Balsam-pear.

Col. No. 5360. Annual; fruit warty, opening brilliant orange. (Seeds.)

242350. *MOSCHOSMA RIPARIUM* Hochst. Menthaceae.

Col. No. 5356. Perennial to 3 feet high; leaves regularly crenate-serrate; ovate; veins prominent above, impressed; petioles reddish; flowers creamy white.

242351. *MYRSINE NUMMULARIA* Hook. f. Myrsinaceae.

Col. No. 5350. Creeping evergreen shrub; leaves nearly oval, lustrous green above, reddish below.

242352. *OLEARIA PINIFOLIA* (Hook. f.) Benth. Asteraceae.

Daisytree.

Col. No. 5390. Shrub to 3 feet high; twigs of the new growth silvery, pubescent; leaves linear, lustrous green above, white tomentose below.

242353. *OXALIS FRUTICOSA* Raddi Oxalidaceae.

Col. No. 5367. Perennial to 1.5 feet high; petioles flattened with three small leaflets at the tip; flowers small, yellow.

242354. *PASSIFLORA ANTIOQUIENSIS* Karst. Passifloraceae.

Col. No. 5384. Rank-growing perennial vine with tendrils; leaves three-foliate; flowers pink, tube 2 inches long.

242355. *PASSIFLORA* × *BELLOTTII* Moore & Ayres

Col. No. 5373. Rampant climber; leaves deeply three-lobed; flowers pink and blue, sepals light pink inside, green on back, fringed petals blue and very fragrant.

242356. *PASSIFLORA* × *CARDINALIS* Masters

Col. No. 5383. (*P. alata* × *P. racemosa*). Vigorous climber with strong tendrils; leaves broadly ovate, cordate; sepals red, green on back, petals red.

242357. *PAULLINIA THALICTRIFOLIA* Juss. Sapindaceae.

Col. No. 5354. Perennial, climbing by tendrils; leaves fernlike twice pinnate, tips bronze tinted while young.

242266 to 242376—Continued

242358. PELARGONIUM sp. Geraniaceae.

Col. No. 5361. 'Klondike'. Flower double red.

242359. PENTAPTERYGIUM (hybrid). Vacciniaceae.

Col. No. 5381. (*P. rugosum* × *serpens*). 'Ludgvan'. Evergreen shrub; branches drooping; leaves lanceolate, lustrous green above.

242360 and 242361. PENTAS LANCEOLATA (Forsk.) Schum. Rubiaceae.

242360. Col. No. 5351. 'Alba'. Perennial to 2 feet high; leaves ovate to elliptic, acuminate; flowers white, top in terminal clusters.

242361. Col. No. 5352. Flowers deep pink.

242362. PENTAPTERYGIUM SERPENS (Wight) Klotzsch Vacciniaceae.

Col. No. 5387. Evergreen shrub; stems hairy; leaves lanceolate; flowers red.

242363. PHYLLAGATHIS ROTUNDIFOLIA Blume Melastomataceae.

Col. No. 5346. Perennial to 2 feet high; leaves nearly oval, lustrous green above, veins very prominent below.

242364. PHYLLANTHUS ANGUSTIFOLIUS Sw. Euphorbiaceae.

Col. No. 5407. Evergreen shrub; leaves elliptic; whole plant with fernlike appearance.

242365. PODALYRIA CANESCENS E. Mey. Fabaceae.

Col. No. 5411. Shrub to 6 feet high; leaves obovate, mucronate, glaucous above, canescent below.

242366. POTHOS SCANDENS L. Araceae.

Col. No. 5415. Rampant climber, rooting at the nodes; leaves ovate to elliptic, deep green above, petioles flattened.

242367. RONDELETIA ODORATA Jacq. Rubiaceae.

Col. No. 5398. Evergreen shrub to 10 feet high; leaves broadly ovate, obtuse, deep green above; flowers red-orange, at tips of branches.

242368. RUBIA SIKKIMENSIS Kurz. Rubiaceae.

Col. No. 5372. Evergreen perennial; leaves elliptic, verticillate.

242369. RUBUS MOLUCCANUS L. Rosaceae.

Col. No. 5402. Vine, essentially spineless; juvenile leaves variously dentate or lobed, velvet green above, sometimes darker along the midvein; mature leaves nearly oval-cordate.

242370. SAINTPAULIA GROTEI Engler Gesneriaceae.

Col. No. 5368. Rhizomatous perennial; leaves to 8 inches long, long-petiolate, blade nearly oval, serrate-dentate, dull green above, flowers blue.

242371. SCHISSANDRA MARMORATA Nichols Magnoliaceae.

Col. No. 5414. Stout climber; stems twining; leaves broadly ovate, acuminate dark green above, lighter below.

242372. SCINDAPSUS HEDERACEUS Schott Araceae.

Col. No. 5370. Climber with aerial roots; stems semi-flattened and angled; leaves lustrous green above, glaucous below.

242373. SELAGINELLA UNCINATA (Desv.) Spring Selaginellaceae.

Col. No. 5395. Much-branched creeper; leaves greenish iridescent.

242374. THUNBERGIA VOGELIANA Benth. Acanthaceae.

Col. No. 5377. Rampant evergreen climber; leaves elliptic; flowers blue.

242266 to 242376—Continued

242375. *TOCOCA LATIFOLIA* Naud. Melastomataceae.

Col. No. 5358. Perennial subshrub to 4 feet high; leaves broadly ovate, metallic green above, plaited, serrate, acuminate, veins prominent below; petioles and stems brownish, long-pubescent.

242376. *VITIS* sp. Vitaceae.

Col. No. 5376. Rampant evergreen climber; leaves digitately compound, dark green above, lighter below.

242377 to 242382. *CRYPTOMERIA JAPONICA* (L. f.) D. Don Pinaceae.
Common cryptomeria.

From Japan. Cuttings presented by Dr. H. Takeda, Chiyodaku, Tokyo. Received September 24, 1957.

242377. No. 1. 'Enko Sugi'.

242378. No. 5. 'Nankichi Sugi'.

242379. No. 2. 'Sekka Sugi'.

242380. No. 4. 'Hoo Sugi'.

242381. No. 8. 'Zindai Sugi'.

242382. No. 11. 'Unryu Sugi'.

242383. *BETA TRIGYNA* Waldst. & Kit. Chenopodiaceae.

From Germany. Seed presented by the Max Planck Institut, für Zuchtungs-forschung, Köln-Vogelsang. Received September 25, 1957.

242384 and 242385. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

From the United States. Seed collected by Quentin Jones, Plant Introduction Section, New Crops Research Branch, Beltsville, Md. Received September 24, 1957.

242384. No. 57-001.

242385. No. 57-002.

242386 to 242417.

From Scotland. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 11, 1957.

From the Botanical Garden, Edinburgh. Cuttings unless otherwise noted.

242386. *ABELIA CHINENSIS* R. Br. Caprifoliaceae.

Col. No. 5424. Shrub with drooping branches; leaves ovate, acute, dark green above; flowers white, floriferous.

242387. *ABELIA ENGLERIANA* (Graebn.) Rehd.

Col. No. 5420. Shrub to 3 feet high; leaves ovate, 1.5 inches long; flowers violet-pink.

242388. *ABELIA SPATHULATA* Sieb. & Zucc.

Japanese abelia.

Col. No. 5433. Shrub to 6 feet high; leaves broadly ovate, lustrous green above; flowers pinkish-white.

242389. *ABELIA TRIFLORA* R. Br.

Himalaya abelia.

Col. No. 5429. Deciduous shrub to 15 feet high; much-branched from the base; flowers pinkish-white, fragrant.

242390. *ABELIA ZANDERI* (Graebn.) Rehd.

Col. No. 5427. Deciduous shrub to 15 feet high; leaves ovate, acuminate.

242386 to 242417—Continued

242391. *AZARA INTEGRIFOLIA* Ruiz & Pav. Flacourtiaceae.

Col. No. 5418. 'Variegata'. Evergreen shrub to 3 feet high; leaves ovate, 2 inches long, margins yellowish-pink.

242392. *CALATHEA FASCIATA* Regel & Koern. Marantaceae.

Col. No. 5426. Rhizomatous perennial to 3 feet high; leaves broadly elliptic, dark green above, transversely barred with silvery-white, uniformly grayish green below.

242393. *CALATHEA FLAVESCENS* Lindl.

Col. No. 5439. Rhizomatous perennial to 5 feet high; leaves long petiolate, the blade elliptic, flat, green; flowers yellow. (Plants.)

242394. *CALATHEA RUFIBARBA* Fenzl.

Col. No. 3442. Rhizomatous perennial to 24 inches high; leaf blade 12 inches long, crenulate, lustrous green above, hairy, reddish; flowers yellow with violet bracts. (Plants.)

242395. *CHUSQUEA CULEOU* E. Desv. Poaceae.

Bamboo.

Col. No. 5417. Rhizomatous perennial to 8 feet high; culm 1 inch in diameter, requires 2 years to mature; leaves linear, densely crowded at the nodes, with the aspect of a broom. (Plant.)

242396. *CRYPTOMERIA JAPONICA* (L. f.) D. Don Pinaceae.

Common cryptomeria.

Col. No. 5445. 'Spiralis'. Foliage spirally twisted; branches pendulous. (Plants.)

242397. *FRAGARIA* (hybrid).

Col. No. 5183. 'Sonjana'. Climbing strawberry; fruit on the stolons. Everbearing.

242398. *GARRYA* × *THURETII* Carr. Cornaceae.

Col. No. 5419. Evergreen shrub to 15 feet high; leaves elliptic, lustrous green above, dull green and pubescent below.

242399. *ORCHIDANTHA LONGIFLORA* (Scort.) Ridley Musaceae.

Col. No. 5440. Rhizomatous perennial; leaves all basal, spatulate, lustrous green. (Plants.)

242400. *MAGNOLIA GRANDIFLORA* L. Magnoliaceae.

Col. No. 5425. 'Lanceolate'. Leaves narrowly lanceolate.

242401. *MARATTIA FRAXINEA* J. E. Sm. Marattiaceae.

Col. No. 5416. Fronds leathery, pinnately divided, to 6 feet long from a large swollen base.

242402 and 242403. *OPHIPOGON INTERMEDIUS* D. Don Liliaceae.

242402. Col. No. 5423. Fibrous-rooted perennial, densely tufted; leaves grasslike.

242403. Col. No. 5428. (Plants.)

242404. *PALISOTA ALBERTII* (L.) Gentil Commelinaceae.

Col. No. 5443. Robust rhizomatous perennial to 6 feet high; leaves nearly all basal, spatulate, serrate, bright green.

242405. *PALISOTA ELIZABETHAE* (L.) Gentil

Col. No. 5436. Rhizomatous perennial; leaves long spatulate, light green along midrib, darker green along the margin. (Plant.)

242406. *PALISOTA MACLAUDII* Cornu

Col. No. 5437. Rhizomatous perennial; stems to 4 feet high; leaves elliptic, semiwhorled at the nodes; petiole fimbriate, hairy.

242386 to 242417—Continued

242407. *PHOTINIA INTEGRIFOLIA* Lindl. Malaceae.

Col. No. 5435. Evergreen shrub; leaves elliptic to oblanceolate, acuminate, lustrous green above.

242408. *PIPTANTHUS LABURNIFOLIUS* (D. Don) Stapf Fabaceae.

Col. No. 5434. Evergreen shrub to 15 feet high; leaves trifoliate, deep green.

242409. *PLEIOSTACHYA* sp. Marantaceae.

Col. No. 5441. Rhizomatous perennial to 5 feet high; culms hairy; leaves reddish. (Plant.)

242410. *RESTIO SUBVERTICILLATUS* Masters Restionaceae.

Col. No. 5444. Stout rhizomatous perennial, forming dense clumps; culms to 6 feet high, bright green with reddish papery bracts at the nodes; inflorescence wandlike. (Plant.)

242411. *RHODODENDRON CRASSUM* Franch. Ericaceae.

Col. No. 5432. Evergreen shrub to 10 feet high; leaves to 5 inches long, rusty tomentose and lustrous green above, dull below; flowers white.

242412. *SALIX MOUPINENSIS* Franch. Salicaceae.

Col. No. 5438. Shrub; leaves elliptic, serrate, shiny green above, dull below; buds red, shiny.

242413. *SARGENTODOXA CUNEATA* (Oliver) Rehd. & Wils. Lardizabalaceae.

Col. No. 5421. Woody vine to 25 feet long; leaves trifoliate; flowers unisexual bell shaped, greenish yellow.

242414. *SAURAUJA NAPAULENSIS* DC. Dilleniaceae.

Col. No. 5431. Tree to 20 feet high; much-branched; leaves oblanceolate or elliptic, serrate; flowers pink with a red eye.

242415. *SCROPHULARIA NODOSA* L. Scrophulariaceae.

Col. No. 5422. 'Variegata'. Perennial to 3 feet high; leaves ovate, serrate-dentate, with white margins.

242416. *TAPEINOCHEILOS PUNGENS* (Teysm. & Binn.) Miquel Zingiberaceae.

Col. No. 5400. Rhizomatous perennial to 5 feet high; leaves broadly elliptic; inflorescence basal, conelike with reddish, waxlike bracts. (Plants.)

242417. *TRIPTYRYGIUM FORRESTII* Loesn. Celastraceae.

Col. No. 5430. Much-branched shrub from the base; leaves ovate, serrate, long acuminate.

242418 and 242419. *CARTHAMUS TINCTORIUS* L. Asteraceae.**Safflower.**

From Australia. Seeds presented by Commonwealth Scientific and Industrial Research Organization, Regional Pastoral Laboratory, Deniliquin, New South Wales. Received September 26, 1957.

242418. Nos. 54-337 and 54-344. Red flowered; spineless involucre.

242419. No. 55-618. Red flowered; spineless involucre.

242420 to 242426. *VOANDZEIA SUBTERRANEA* (L.) Thouars Fabaceae.

From France. Seeds presented by the Centre Technique d'Agriculture Tropicale, Nogent sur Marne. Received September 26, 1957.

242420. 'Kloglo Ble'.

242424. 'Yecouma Pie'.

242421. 'Kloglo Kokore'.

242425. 'Yecouma Piiti'.

242422. 'Kloglo Oufoue'.

242426. 'Yecouma Soua'.

242423. 'Yecouma Ouonte'.

242427. PENTAS sp. Rubiaceae.

From Ghana. Seeds presented by the University College, Achimota. Received September 26, 1957.

242428. TRITICUM (hybrid). Poaceae.

From Germany. Seeds presented by Bayerische Landersaatzuchtanstalt, Freising. Received October 1, 1957.

'M1'. Spring type; seed red. Susceptible to stem rust and resistant to mildew.

242429 to 242489.

From Scotland. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 27, 1957.

From Botanical Garden, Edinburgh. Cuttings unless otherwise noted.

242429. CORNUS HESSEI Koehn. Cornaceae.

Col. No. 5490. Dwarf deciduous shrub; leaves elliptic, reddish-purple above, glaucous beneath; flowers white. Probably of garden origin.

242430. GREVILLEA ROSMARINIFOLIA A. Cunn. Proteaceae.

Col. No. 5497. 'Wakehurst'. Much-branched evergreen shrub to 3 feet high; leaves linear; flowers coral red.

242431. ILEX CRENATA var. NUMMULARIA (Fr. & Sav.) Yatabe Aquifoliaceae. Holly.

Col. No. 5492. Evergreen shrub to 3 feet high; leaves nearly oval; berries black.

242432. LOBELIA FULGENS Willd. Campanulaceae. Mexican lobelia.

Col. No. 5500. 'Queen Victoria'. Rhizomatous perennial to 4 feet high; leaves reddish; flowers scarlet.

242433. MAGNOLIA (hybrid). Magnoliaceae.

Col. No. 5499. (*M. campbellii* × *M. mollicomata*). Deciduous tree; flowers to 10 inches in diameter, pink.

242434. REEVESIA PUBESCENS Mast. Sterculiaceae.

Col. No. 5473. Evergreen shrub to 10 feet high; leaves elliptic.

242435. RHODODENDRON (hybrid). Ericaceae.

Col. No. 5452. (*R. albescens* × *R. ciliicalyx*). Extremely floriferous; flowers white to pinkish.

242436. RHODODENDRON ARAIOPHYLLUM Balf. f. & W. W. Smith.

Col. No. 5454. Evergreen shrub to 16 feet tall; flowers white, flushed rose or lavender, with a basal crimson blotch and crimson dots.

242437 and 242438. RHODODENDRON ARBOREUM J. E. Sm. Tree rhododendron.

242437. Col. No. 5461. Flowers red.

242438. Col. No. 5476. 'Wallich'. Shrub to 20 feet high; flowers blood red.

242439. RHODODENDRON ARGYROPHYLLUM var. nankingense. Franch.

Col. No. 5494. Evergreen shrub to 6 feet high; leaves elliptic, lustrous green above, silvery tomentose below; flowers red.

242440. RHODODENDRON BUREAVII Franch.

Col. No. 5496. Evergreen shrub to 6 feet high; leaves rusty tomentose while young; flowers red.

242441. RHODODENDRON (hybrid).

Col. No. 5485. (*R. assamicum* × *R. burmanicum*). Leaves to 3 inches long; flowers white, spotted red.

242429 to 242489—Continued

242442. RHODODENDRON CARNEUM Hutch.

Col. No. 5448. Flowers dark pink.

242443. RHODODENDRON CHRYSADORON Tagg.

Col. No. 5453. 'Golden Gift'. Flowers yellow, red spotted.

242444. RHODODENDRON CHRYSSEUM Balf. & Ward

Col. No. 5498. Evergreen shrub to 2 feet high; leaves to 1 inch long; flowers 2 inches across, yellow.

242445. RHODODENDRON CILICALYX Franch.

Col. No. 5456. Evergreen shrub to 10 feet high; flowers pure white.

242446. RHODODENDRON CONCATENANS Hutch.

Col. No. 5501. Evergreen shrub to 4 feet high; leaves broadly ovate, glaucous above, white below; flowers red.

242447 to 242449. RHODODENDRON CRASSUM Franch.

242447. Col. No. 5447. Flowers white, fragrant.

242448. Col. No. 5448. Shrub to 8 feet high; flowers pure white, fragrant.

242449. Col. No. 5504. Evergreen shrub to 10 feet high; leaves oblanceolate or elliptic, lustrous above, glaucous and brown punctate below; flowers white.

242450. RHODODENDRON CUBITTHI Hutch.

Col. No. 5488. Shrub to 8 feet high; flowers rose.

242451. RHODODENDRON DALHOUSIAE Hook. f.

Col. No. 5483. Sprawly evergreen shrub to 10 feet high; flowers white fragrant.

242452. RHODODENDRON DELAVAYI Franch.

Col. No. 5462. Typical form.

242453. RHODODENDRON DIAPREPES Balf. & W. W. Sm.

Col. No. 5474. Shrub to 20 feet high; flowers white.

242454. RHODODENDRON EDGORTHII Hook. f.

Col. No. 5502. Evergreen shrub to 4 feet high; leaves lustrous green above, brownish tomentose below; flowers white, fragrant.

242455. RHODODENDRON EXIMIUM Nutt.

Col. No. 5446. Leaves extremely rufous.

242456 to 242460. RHODODENDRON FACETUM Balf. & Ward.

242456. Col. No. 5464. Flowers coral red.

242457. Col. No. 5449. Flowers coral red, waxy.

242458. Col. No. 5463. Flowers coral red.

242459. Col. No. 5467. Flowers coral red.

242460. Col. No. 5471. Shrub to 20 feet high; flowers coral red.

242461. RHODODENDRON GRIERSONIANUM Balf. & Forr.

Col. No. 5477. Shrub to 15 feet high; flowers orange-vermillion.

242462. RHODODENDRON GRIFFITHIANUM Wight.

Col. No. 5470. 'Roseum'. Shrub to 15 feet high; flowers 4 inches long, pinkish.

242463. RHODODENDRON HARDINGII Forr.

Col. No. 5450. Plant.

242429 to 242489—Continued

242464. RHODODENDRON HODGSONII Hook. f.

Col. No. 5506. Evergreen shrub to 20 feet high; leaves silvery-green above, rusty tomentose below; flowers purplish-crimson.

242465. RHODODENDRON INSIGNE Hemsl. & Wils.

Col. No. 5505. Evergreen shrub to 6 feet high; leaves elliptic, lustrous green above, silvery below; flowers red.

242466 and 242467. RHODODENDRON ITEOPHYLLUM Hutch.

242466. Col. No. 5469. Shrub to 4 feet high; flowers white.

242467. No. 5472.

242468. RHODODENDRON JOHNSTONEANUM (Brandis) Watt

Col. No. 5460. Evergreen shrub to 6 feet high; flowers white to yellow spotted, fragrant.

242469. RHODODENDRON LINDLEYI T. Moore

Col. No. 5457. Evergreen shrub often epiphytic in the wild; flowers white fragrant.

242470. RHODODENDRON LOCHAE F. Muell.

Col. No. 5466. Flowers scarlet, tubular; leaves leathery, glossy green above

242471. RHODODENDRON LUKIANGENSE Franch.

Col. No. 5463. Evergreen shrub.

242472. RHODODENDRON MADDENII Hook. f.

Col. No. 5481. Evergreen shrub to 8 feet high; flowers pure white, fragrant.

242473. RHODODENDRON MANIPURENSE Balf. & Watt

Col. No. 5484. Shrub to 8 feet high; flowers tinged pink.

242474. RHODODENDRON MEGACALYX Balf. f. & Ward

Col. No. 5475. Flowers to 5 inches long, pure white, fragrant.

242475. RHODODENDRON MOUPINENSE Franch.

Col. No. 5479. Evergreen shrub to 6 feet high; leaves lustrous above; flowers white, tinged pink.

242476. RHODODENDRON (hybrid).

Col. No. 5455. (*R. nuttallii* × *R. veitchianum*). Evergreen shrub; flowers white.

242477. RHODODENDRON OLDHAMII Maxim.

Col. No. 5487. Evergreen shrub to 4 feet high; leaves and stems brownish, hairy; flowers orange-red.

242478. RHODODENDRON SCABRUM Don

Col. No. 5458. Evergreen shrub to 6 feet high; flowers red.

242479. RHODODENDRON SINONUTTALLII Balf. f. & Forr.

Col. No. 5468. Sprawly shrub to 15 feet high; flowers white.

242480. RHODODENDRON SUPRANUBIUM Hutch.

Col. No. 5451. Evergreen shrub.

242481. RHODODENDRON THOMSONII Hook. f.

Col. No. 5503. Evergreen shrub to 20 feet high; leaves broadly ovate to suborbicular, leathery, lustrous above, silvery below; flowers bright coral red.

242482. RHODODENDRON TAGGIANUM Hutch.

Col. No. 5482. Flowers white.

242429 to 242489—Continued

242483. RHODODENDRON VALENTINIANUM Forr.

Col. No. 5495. Evergreen shrub to 3 feet high; leaves obovate, slightly serrate-ciliate; flowers white, borne in great profusion, fragrant.

242484. RHODODENDRON VEITCHIANUM Hook.

Col. No. 5486. Shrub or small tree; flowers pink.

242485. RHODODENDRON (hybrid).

Col. No. 5478. (*R. dalhousiae* × *R. nuttallii*). Shrub to 10 feet high; flowers white, fragrant.

242486. RHODODENDRON ZEYLANICUM Loud.

Col. No. 5459. Shrub to 20 feet high; flowers blood red.

242487. SALIX CAPREA L. Salicaceae.

Col. No. 5489. 'Pendula'. Large deciduous shrub; branches pendant; leaves elliptic, undulate.

242488. SALIX FARGESII Burkill.

Col. No. 5493. Deciduous shrub to 5 feet high; twigs and buds reddish, lustrous; leaves to 6 inches long, 3 inches wide, thickish, serrate, veins prominent.

242489. VERBENA TRIDENS Lagasca Verbenaceae.

Col. No. 5491. Evergreen shrub to 3 feet high; branches wiry, whitish; leaves very abbreviated.

242490 and 242491.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received September 30, 1957.

242490. CITRUS GRANDIS (L.) Osbeck Rutaceae. **Pummelo.**

'Mato'.

242491. RAPHANUS SATIVUS L. Brassicaceae. **Radish.**

'Mei-noon'.

242492 to 242494.

From Brazil. Seeds presented by the Servico de Experimentacao Zootecnica, Porto Alegre, Rio Grande do Sul. Received October 1, 1957.

242492. STIZOLOBIUM ATERRIMUM Piper & Tracy Fabaceae. **Velvetbean.**

'Mucuna Preta'.

242493. STIZOLOBIUM sp.

'Mucuna Ana'.

242494. STIZOLOBIUM sp.

'Mucuna Jaspeada'.

242495 to 242497. SANGUISORBA OFFICINALIS L. Rosaceae.

From Belgium. Seeds presented by the Centre de Cartographie Phytosociologique, Brussels. Received October 2, 1957.

Localities given are original sources.

242495. 'Champignolle'. France.

242496. 'Lahr-In-Brisgau'. Rhine Valley, Germany.

242497. 'Jalhay'. Province de Liege, Ardennes, Belgium.

242498 to 242515. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Italy. Seeds presented by the Istituto di Allevamento Vegetale per la Cerealicoltura, Bologna. Received October 3, 1957.

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| 242498. 'Alessandro Vivenza'. | 242507. 'Ovest'. |
| 242499. 'Elia'. | 242508. 'Produttore'. |
| 242500. 'Falchetto'. I.B.O. 222 | 242509. 'Valdoria'. |
| 242501. 'Funone'. I.B.O. 1494 | 242510. I.B.O. 110. |
| 242502. 'Funotto'. I.B.O. 1535. | 242511. I.B.O. 763. |
| 242503. 'Generoso'. | 242512. I.B.O. 911. |
| 242504. 'Leonardo'. | 242513. I.B.O. 1364. |
| 242505. 'Leone'. | 242514. I.B.O. 1892. |
| 242506. 'Loro'. | 242515. R. 37. |

242516. CANARIUM INDICUM Stick. Burseraceae.**Kanari.**

From New Guinea. Seed presented by the Agricultural Extension Station, Sub-District, Bogia. Received October 4, 1957.

'Galip'.

242517 to 242544.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 3, 1957.

From Talbot Manor, Kings Lynn, Fincham, Norfolk, England. Received as plants unless otherwise noted.

242517. AGAPANTHUS ORIENTALIS Leighton Liliaceae.

Col. No. 5605. 'Trudy'. Flowers very dark blue, semi-pendulous.

242518 to 242525. BUXUS SEMPERVIRENS L. Buxaceae. Common box.

242518. Col. No. 5592. 'Aurea-Pendula'. Weeping boxwood; branches pendulous; leaves ovate to 1.25 inch long, deep green, yellowish variegated. (Cuttings.)

242519. Col. No. 5582. 'Rotundifolia'. Erect form; leaves to 1 inch long.

242520. Col. No. 5594. 'Rotundifolia Maculata'. Leaves mostly ovate to nearly round, some streaked with yellow.

242521. Col. No. 5591. 'Bullata'. Leaves broadly ovate to suborbicular, 1.25 inch long, deep green.

242522. Col. No. 5590. 'Myosotifolia'. Leaves elliptic, to 1.25 inch long.

242523. Col. No. 5593. 'Pendula'. Branches pendulous; leaves 0.75 inch long, mostly elliptic.

242524. Col. No. 5595. 'Prostrata'. Stiff-growing prostrate boxwood to 2 feet high; branches white, showing through the very dark green lustrous foliage.

242525. Col. No. 5598. 'Angustifolia'. Leaves to 1 inch long, mostly ovate, upper surface sometimes semirugose, dark green.

242526. CORNUS ALTERNIFOLIA L. f. Cornaceae.

Col. No. 5584. 'Argentea'. Shrub to 6 feet high; leaves streaked with white. (Cuttings.)

242527. CYNORCHIS UNCINATA H. Perr. Orchidaceae.

Col. No. 5616. Terrestrial.

242517 to 242544—Continued

- 242528 and 242529.** *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**
- 242528.** Col. No. 5599. 'Aurea Medio-Picta'. Golden Milkmaid Holly. Leaves mostly ovate, coarsely undulate-toothed, uniformly golden-yellow bordered, the body of the leaf lustrous green.
- 242529.** Col. No. 5597. 'Hastata'. Plant dwarfish; leaves very thick, 3 to 5 spined, leaf appearing as if 3-lobed, the middle portion much extended and spine-tipped.
- 242530.** *ILEX* × *ALTAACLARENSIS* Dallim.
Col. No. 5580. 'Hendersonii'. Leaves mostly entire, occasionally vary short spine-toothed; berries red. (Pistillate.)
- 242531 and 242532.** *ILEX AQUIFOLIUM* L. **English holly.**
- 242531.** Col. No. 5601. 'Argentea-Marginata Elegantissima'. Leaves to 3 inches long, mostly ovate, strongly undulate, spiny-toothed, margins variously silvery bordered. (Pistillate.)
- 242532.** Col. No. 5589. 'Madam Briot'. Leaves ovate to 3 inches long, coarsely spiny, undulate-toothed, margins with a narrow yellowish-green band. (Staminate.)
- 242533.** *ILEX* × *ALTAACLARENSIS* Dallim.
Col. No. 5596. 'Camelliaefolia Aurea-Marginata'. Leaves yellowish-variegated, ovate, sparingly spine-toothed, flat, margins yellowish.
- 242534.** *KEFERSTEINIA TOLIMENSIS* Schltr. Orchidaceae.
Col. No. 5615. Epiphytic.
- 242535.** *MAHONIA TOLUACENSIS* Bean Berberidaceae.
Col. No. 5586. Evergreen shrub to 5 feet high; leaves spiny-toothed, leaflets elliptic. (Cuttings.)
- 242536.** *PEPEROMIA LYALLII* C. DC. Piperaceae.
Col. No. 5617. Creeping, succulent perennial; leaves broadly ovate to orbicular, glaucous above, lighter below, the veins of the young leaves reddish. (Cuttings.)
- 242537.** *PEPEROMIA* sp.
Col. No. 5612. Creeping, succulent perennial; leaves broadly ovate to nearly orbicular, short hairy throughout. (Cuttings.)
- 242538.** *PEPEROMIA* sp.
Col. No. 5613. Wiry-stemmed, creeping perennial; leaves obovate to nearly orbicular, succulent with 3-parallel veins.
- 242539.** *RUTA GRAVEOLENS* L. Rutaceae. **Common rue.**
Col. No. 5607. 'Jackman'. Plant to 10 inches high; foliage blue.
- 242540.** *SAMBUCUS NIGRA* L. Caprifoliaceae. **European elder.**
Col. No. 5583. 'Albo-Variegata'. Deciduous shrub to eight feet high; leaves streaked with white.
- 242541.** *TAPEINOCHEILOS PUNGENS* Miq. Zingiberaceae.
Col. No. 5604. Rhizomatous plant to five feet high; leaves broadly elliptic, inflorescence basal, conelike, terminal on a scape, bracts reddish.
- 242542.** (Undetermined.)
Col. No. 5606. Rhizomatous perennial; leaves narrow, irislike; fruits blue.
- 242543 and 242544.** *MEDINILLA SEDIFOLIA* Jummelle & Perrier Melastomataceae.
242543. Col. No. 5610. Epiphyte; stems delicate, creeping; leaves nearly orbicular, fleshy; flowers allegedly red.
- 242544.** Col. No. 5614. Perennia*

242545 to 242616.

From Great Britain. Plants and cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 4, 1957.

From Talbot Manor, Kings Lynn, Fincham, Norfolk, England.

242545. *ADENIUM OBESUM* (Forsk.) Roem. & Schult. Apocynaceae.

Col. No. 5573. Fleshy stemmed shrub; leaves tufted at the ends of the branches; flowers pink.

242546. *BEGONIA AUGUSTAE* Irmscher Begoniaceae.

Col. No. 5558. Perennial; leaves bronze green above, lustrous, reddish below.

242547. *BEGONIA BARKERI* Knowl. & Westc.

Col. No. 5572. Rank growing perennial; stems erect, thickish, little branched; leaves peltate, oblique, shallowly dentate lobed, dull green.

242548. *BEGONIA CAROLINIAEFOLIA* Regal

Col. No. 5557. 'Riga Cross'. Perennial with an arborescent habit; stems to 3 inches thick, erect; leaves digitately divided into 7 leaflets.

242549. *BEGONIA CATHAYANA* Hemsl.

Col. No. 5542. Perennial, velvet-hairy throughout; leaves oblique, to 6 inches long, dark green above, veins red.

242550. *BEGONIA COOPERI* C. DC.

Col. No. 5511. Perennial to 2 feet high; leaves elm-shaped, strongly veined.

242551. *BEGONIA CONVULVULACEA* A. DC.

Col. No. 5571. Perennial to 14 inches high; stems erect; leaves semiorbicular or oblique, lustrous green above.

242552. *BEGONIA DAEDALEA* Lem.

Col. No. 5553. Rhizomatous perennial to 24 inches high; leaves strongly maculate, red and green ciliate.

242553. *BEGONIA DREGEI* Otto & Dietr.

Col. No. 5539. Perennial, semifurrowed and angled stems; leaves strongly oblique, sinuate-dentate, with a lustrous metallic sheen, dark green above, reddish below.

242554. *BEGONIA EPIPSILA* Brade

Col. No. 5579. Perennial to 14 inches high; leaves lustrous green above, reddish below with rusty indumentum.

242555. *BEGONIA FAGIFOLIA* Fisch.

Col. No. 5541. Perennial with creeping, semiscrambling stems; leaves ovate in outline, lustrous green above, uniformly scattered pubescent above and below, petioles and stems reddish.

242556. *BEGONIA GIGANTEA* Wall.

Col. No. 5567. Rhizomatous plant; stems robust to 24 inches high; leaves strongly oblique, acuminate, lustrous green above.

242557. *BEGONIA INFLATA* C. B. Clark

Col. No. 5555. Rhizomatous plant; stems succulent, erect, reddish; leaves oblique, deep green above.

242558. *BEGONIA* (hybrid).

Col. No. 5566. (*B. fuchsioides* × *B. nitida*). Perennial to 24 inches high; stems erect; leaves to 3 inches long, serrate and undulate, lustrous green above, scattered puberulent above and below; flowers pink.

242559. *BEGONIA* sp.

Col. No. 5562. 'Leminshi'. Climbing habit.

242545 to 242616—Continued

242560. *BEGONIA LUXURIANS* Scheidw.

Col. No. 5544. Perennial to 10 feet high; leaves digitately divided into about 8 distinct leaflets, scabrous above; petiole reddish, at least when young.

242561. *BEGONIA MALABARICA* Lam.

Col. No. 5547. Erect perennial; leaves oblique, serrate-dentate, scabrous, bright green above, veins reddish.

242562. *BEGONIA MANNII* Hook. f.

Col. No. 5510. Erect, fibrous perennial to 3 feet high; flowers coral-pink.

242563. *BEGONIA NATALENSIS* Hook.

Col. No. 5554. Much-branched perennial; leaves dentate, oblique, green above, reddish below; flowers white in profusion.

242564. *BEGONIA QUADRILOCULARIS* Blade

Col. No. 5546. Rhizomatous perennial to 30 inches high, robust; leaves serrate, scabrous dark green above, veins raised, lighter below.

242565. *BEGONIA RAJAH* Ridley

Col. No. 5533. Rhizomatous perennial; leaves to 8 inches long, blades oblique cordate; veins above green with purplish red patches, raised.

242566 and 242567. *BEGONIA RIGIDA* Regel

242566. Col. No. 5561. (No data.)

242567. Col. No. 5564. Rhizomatous perennial to 24 inches high; leaves to 5 inches long, lustrous green above, lighter below.

242568. *BEGONIA ROTUNDFOLIA* Lam.

Col. No. 5523. Rhizomatous perennial; leaves to 8 inches long, blade orbicular-cordate, undulate, petioles reddish; flowers whitish-pink, rising above the leaves.

242569. *BEGONIA ROXBURGHII* DC.

Col. No. 5569. Rhizomatous plant; leaves rising from the base; petioles to 10 inches long, blades to 8 inches long, lustrous green above.

242570. *BEGONIA RUBRO-VENIA* Hook.

Col. No. 5565. Rhizomatous plant; stems erect, little branched above; leaves long-petiolate; blades silvery maculate, shield-shaped.

242571. *BEGONIA SERRATIPETALA* Irmscher

Col. No. 5560. Rhizomatous perennial; leaves to 4 inches long, undulate, crispate, deep bronze-green above, reddish below.

242572. *BEGONIA ULMIFOLIA* Willd.

Col. No. 5568. Rhizomatous plant; stems erect, little branched; leaves elm-shaped, lustrous green above.

242573. *BEGONIA PHYLLOMANIACA* Mart.

Col. No. 5551. Perennial to 30 inches high; leaves grapelike in shape, hairy, with leaflets along the main veins.

242574. *BEGONIA* sp.

Col. No. 5559. Rhizomatous perennial to 14 inches high; leaves to 3 inches long, serrate, glaucous above; petioles reddish.

242575. *BEGONIA* sp.

Col. No. 5570. Rhizomatous perennial to 16 inches high; stems bronzelike; leaves to 3 inches long, veins strongly impressed; flowers pinkish.

242576. *BEGONIA* sp.

Col. No. 5556. Rhizomatous plant; leaves to 10 inches long, petiole longer than the blade, blade deep green, hairy above, velvety-red below.

242545 to 242616—Continued**242577. BEGONIA sp.**

Col. No. 5513. Rhizomatous perennial to 4 inches high; leaves deep lustrous green, reddish at the petiole.

242578. BEGONIA sp.

Col. No. 5550. Robust, rhizomatous perennial; leaves to 12 inches long, oblique, lustrous dark green above.

242579. BEGONIA sp.

(No data.)

242580. BEGONIA sp

Col. No. 5540. 'C.P. Raffill'. Perennial; leaves very oblique, sinuate-dentate, silvery in patches between the veins, green along the veins, uniformly red below.

242581. BEGONIA FERNANDO-COSTAE Irmscher

Col. No. 5563. Rhizomatous plant; leaves velvety-red below, bronze-green, hairy above; flowers white, on scapes, peduncles reddish.

242582. BEGONIA sp.

Col. No. 5576. 'Fireflush'. Rhizomatous plant; leaves to 18 inches long, petioles reddish pubescent, blades oblique, dentate, margin bronze-green towards the periphery; flowers pink.

242583. BEGONIA sp.

Col. No. 5552. 'Ripple Rosea'. Little-branched, erect perennial; leaves oblique, bright green, lustrous above; flowers deep pink, terminal.

242584. BERBERIS VALDIVIANA Phil. Berberidaceae.**Barberry.**

Col. No. 5577. Spiny evergreen shrub to 6 feet high; leaves elliptic, lustrous green above, mostly entire.

242585. COSTUS MALORTIEANUS H. Wendl. Zingiberaceae.

Col. No. 5575. Rhizomatous perennial; stems to 3 feet high; leaves broadly ovate, pubescent above; flowers yellow, lip marked red.

242586. COSTUS MOSIACUS Bull.

Col. No. 5545. Rhizomatous perennial; leaves sessile, elliptic, semitranslucent, succulent, midrib prominent.

242587. DIANDROLYRA BICOLOR Stapf Poaceae.

Col. No. 5509. Short rhizomatous perennial; blades to 5 inches long, purplish.

242588. DRIMIOPSIS KIRKII Baker Liliaceae.

Col. No. 5528. Bulbous perennial; leaves to 8 inches long, strap-shaped, strongly maculate.

242589. EPIPHYLLUM sp.

Col. No. 5516. Stems flat to 3 inches; flowers white, tubular to 5 inches long.

242590. EPISCIA LILICINA Hanst. Gesneriaceae.

Col. No. 5537. Rhizomatous perennial; rootstalks creeping, rooting at the nodes; leaves broadly ovate to 3 inches long, evenly serrate-dentate, deep green above, semirugose, uniformly short pubescent above and below; flowers lavender, petals fringed.

242591. EPISCIA PUNCTATA Hanst.

Col. No. 5536. Rhizomatous perennial; stoloniferous and rooting at the nodes; leaves semitufted at the tips of the branches, ovate to elliptic, serrate.

242592. ERANTHEMUM CINNABARINUM Wall. Acanthaceae.

Col. No. 5524. Perennial to 12 inches high; flowers orange-red.

242545 to 242616—Continued**242593.** *ERANTHEMUM WATTII* Stapf

Col. No. 5515. Perennial, to 2 feet high; flowers deep lavender-violet.

242594. *HIBISCUS ACETOSELLA* Welw. Malvaceae.

Col. No. 5549. Shrub; leaves bronze-red to maroon-red, petiolate, blade deeply lobed and dentate; flowers deep pink.

242595. *HOYA AFFINIS* var. *SOLANIFLORA* Schlechter Asclepiadaceae.

Col. No. 5529. Perennial vine; leaves laceolate, acuminate, dark green.

242596. *HOYA ANGUSTIFOLIA* Traill

Col. No. 5522. Scrambling, succulent perennial; leaves linear, grooved, to 4 inches long.

242597 and 242598. *HOYA IMPERIALIS* Lindl.

242597. Col. No. 5514. Scrambling succulent perennial; leaves broadly elliptic, acuminate, dull green above, glabrous, tomentose below.

242598. Col. No. 5535.

242599. *HOYA RIDLEYI* King & Gamble

Col. No. 5531. Scrambling perennial; leaves broadly ovate, veins strongly marked, reddish.

242600. *HOYA LONGIFOLIA* Wall.

Col. No. 5530. Scrambling perennial; leaves broadly elliptic, furrowed above, bright green.

242601. *ILEX* × *ALTAFLARENSIS* Dallim. Aquifoliaceae.

Col. No. 5578. 'Laevigata Polycarpa'. Large evergreen shrub; leaves mostly entire, sometimes spine-tipped; berries red.

242602. *IMPATIENS REPENS* Moon Impatiensaceae.

Col. No. 5538. Perennial stems reddish green, creeping, succulent; flowers bright yellow.

242603. *MEDINILLA SEDIFOLIA* Jummelle & Perrier Melastomataceae.

Col. No. 5521. Epiphytic, succulent, creeping perennial; leaves orbicular; flowers red.

242604. *KOHLERIA LINDENIANA* (Regel) H. E. Moore Gesneriaceae.

Col. No. 5534. Rhizomatous perennial; stems semicreeping, rooting at the nodes; leaves broadly ovate, veins deep green, purplish-red between, soft pubescent; flowers white with a lavender eye.

242605. *LEEA AMABILIS* Veitch Vitaceae.

Col. No. 5548. Shrub; leaves elliptic, toothed, bronze-green above when young, white stripe down the midvein, reddish below.

242606. *MARCGRAVIA UMBELLATA* L. Marcgraviaceae.

Col. No. 5574. Creeping perennial, rooting at the nodes; juvenile leaves emarginate, serrate, sessile, ovate, green above.

242607. *NAUTILICALYX LYNCHII* (Hook. f.) Sprague Gesneriaceae.

Col. No. 5543. Perennial; stems thick, semisucculent; leaves to 8 inches long, spatulate, serrate, lustrous green above, purplish-red below.

242608. *CHLOROPHYTUM BICHETII* (S. Karrer) Backer Liliaceae.

Col. No. 5587. Tuberous rooted, densely tufted perennial to 6 inches high; leaves grasslike, white-streaked.

242609. *PELARGONIUM SAXIFRAGOIDES* N. E. Br. Geraniaceae.

Col. No. 5518. Trailing perennial with weak, succulent stems; leaves deeply 4-5 dentate.

242545 to 242616—Continued**242610.** PELARGONIUM sp.

Col. No. 5527. 'Happy Thought'. Leaves crispate, undulate, middle portion white, periphery green.

242611. PELARGONIUM sp.

Col. No. 5512. 'Double Rose-Flowered'. Flowers roselike in appearance, dark-red.

242612. PEPEROMIA BRACHYTRICHA Baker Piperaceae.

Col. No. 5519. Creeping epiphyte to 6 inches high, rooting at the nodes; leaves obovate, succulent, to 1 inch in diameter.

242613. PEPEROMIA MADAGASCARIENSIS DC.

Col. No. 5525. Creeping epiphyte, rooting at the nodes; leaves fleshy, uniformly puberulent, green above, purplish-red below.

242614. PEPEROMIA ROTUNDFOLIA Schlecht. & Cham.

Col. No. 5520. Creeping epiphyte, rooting at the nodes; leaves to 1 inch long.

242615. RUELIA MACRANTHA Mart. Acanthaceae.

Col. No. 5526. Perennial to 6 feet high; leaves green above, covered by raphides below; flowers fuchsia-pink.

242616. BURBIDGEA SCHIZOCHEILA W. Hackett Zingiberaceae.

Col. No. 5532. Rhizomatous perennial; leaves dark green, lustrous.

242617 to 242623. SACCHARUM (hybrid). Poaceae. **Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Industry, Brisbane, Queensland. Received October 4, 1957.

242617. I 102. **242621.** Q 63.

242618. K 696. **242622.** Q 67.

242619. Q 61. **242623.** Q 70.

242620. Q 62.

242624 to 242626. SACCHARUM (hybrid). Poaceae. **Sugarcane.**

From Fiji. Cuttings presented by the Colonial Sugar Refining Co., Ltd., Lautoka. Received October 4, 1957.

242624. 55 R. 8062. **242626.** 55 R. 8070.

242625. 55 R. 8063.

242627 to 242635.

From Portugal. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 7, 1957.

From Portugal, unless otherwise indicated.

242627. BRUNFELSIA CALYCINA Benth Solanaceae.

Col. No. 5164. Quinta da Meio, Entre Quintas, Oporto. Evergreen tree to 20 feet high; flowers opening deep blue-violet, changing to nearly white.

242628. CYTISUS BATTANDIERI Marie Fabaceae. **Broom.**

Col. No. 5169. Arboretum, Vilmorin-Andrieux et Cie, Verrieres-le-Buisson, southwest Paris, France.

242629 SAROTHAMNUS WELWITSCHII Bois & Reut. Fabaceae.

Col. No. 5161. Open dry rocky granite slopes, Guarda. Much-branched shrub to 8 feet high; flowers yellow, pods villous.

242627 to 242635—Continued**242630.** *DIGITALIS THAPSI* L. Scrophulariaceae.

Col. No. 5160. East of Guarda. Perennial to 18 inches high; leaves somewhat hairy.

242631. *GENISTA AETHNENSIS* (Bivona) DC. Fabaceae. **Aetna broom.**

Col. No. 5163. Nursery of Grandes Roseaies du Val de Loire, Orleans. Much-branched shrub to 8 feet high; stems green, almost leafless; flowers golden yellow.

242632. *GENISTA PILOSA* L. **Silkyleaf broom.**

Col. No. 5190. Nursery of T. R. Hayes, Garden Craftsmen, Ambleside, Westmoreland, England. Prostrate shrub; flowers yellow.

242633. *GENISTA LUSITANICA* L.

Col. No. 5162. Open dry rocky granite slopes, Guardo. Dense compact bush; stems glaucous; flowers golden yellow.

242634. *CISTUS MONSPELIENSIS* L. **Montpelier rockrose.**

Col. No. 5159. Open-pine forest near Viseu. Shrub to 2 feet high, much-branched, spreading.

242635. *VIBURNUM JAPONICUM* (Thunb.) Spreng. Caprifoliaceae.

Col. No. 5136. Woodland, Quinta da Meio, Entre, Quintas, Oporto. Evergreen shrub to 8 feet high; leaves lustrous above; flowers white.

242636 to 242657.

From Japan. Seeds presented by the Kasukabe Experiment Station, Kasukabe, Saitama Prefecture. Received October 7, 1957.

242636. *ACALYPHA AUSTRALIS* L. Euphorbiaceae.**242637.** *AMBLYGONUM PILOSUM* Nakai Polygonaceae.**242638.** *AMMI VISNAGA* (L.) Lam. Apiaceae.**242639.** *ANGELICA ACUTILOBA* (Sieb. & Zucc.) Kitag. Apiaceae.**242640.** *ANGELICA DAHURICA* (Fisch.) Benth. & Hook. f.**242641.** *CHAMAESYCE HUMIFUSA* Prokhanov Euphorbiaceae.**242642.** *CRYPTOTAENIA JAPONICA* Hassk. Apiaceae.**242643.** *DAPHNIPHYLLUM MACROPODUM* Miquel Euphorbiaceae.**242644.** *GLAUCIUM FLAVUM* Crantz Papaveraceae. **Yellow hornpoppy.****242645.** *HIBISCUS HAMABO* Sieb. & Zucc. Malvaceae.**242646.** *MOSLA PERFORATA* Koidz. Menthaceae.**242647.** *PHYTOLACCA ACINOSA* Roxb. Phytolaccaceae. **Pokeberry.****242648.** *PLANTAGO MAJOR* L. Plantaginaceae.**242649.** *PLANTAGO LANCEOLATA* L.**242650.** *PLANTAGO MARITIMA* L.**242651.** *SALVIA SCLAREA* L. Menthaceae. **Common clary****242652.** *SALVIA VERTICILLATA* L.**242653.** *VERONICA ARVENSIS* L. Scrophulariaceae.**242654.** *VERONICA OFFICINALIS* L.**242655.** *VERONICA VIRGINICA* L.**242656.** (Undetermined.) Apiaceae.**242657.** (Undetermined.)

242658. STIZOLOBIUM sp. Fabaceae.

From Colombia. Seeds presented by R. Hendrickson, Barranquilla. Received October 7, 1957.

242659 and 242660.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received October 7, 1957.

242659. LUPINUS ALBUS L. Fabaceae.

White lupine.

242660. LUPINUS ANGUSTIFOLIUS L.

Blue lupine.

242661 to 242789.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 7, 1957.

From Talbot Manor, Kings Lynn, Fincham, Norfolk, England, unless otherwise noted. Received as plants unless otherwise noted.

242661 to 242669. Cambridge Botanic Garden, Cambridge, England.

242661. AGAVE PARRYI Engelm. Amaryllidaceae.

Col. No. 5643. Plant trunkless; leaves glaucous, prickly-margined; flowers creamy-yellow.

242662. BEGONIA CRISPULA Brade Begoniaceae.

Col. No. 5638. Plant dwarfish; leaves nearly orbicular. (Cuttings.)

242663. BERBERIS × BRISTOLENSIS Ahrend Berberidaceae. Barberry.

Col. No. 5600. (Probably *B. calliantha* × *B. verruculosa*). Evergreen shrub to 4 feet high; leaves mostly ovate, lustrous green above, glaucous below, undulate.

242664. CHIRITA SINENSIS Lindl. Gesneriaceae.

Col. No. 5637. Perennial; leaves elliptic, green-maculate and silvery; flowers lilac. (Cuttings.)

242665. CYANASTRUM CORDIFOLIUM Oliv. Pontederiaceae.

Col. No. 5639. Originally from West Africa. Perennial from a tuberous-like base; leaves basal, dioscorea-like; flowers blue.

242666. CYTISUS PURPUREUS Scop. Fabaceae.

Broom.

Col. No. 5631. Deciduous shrub to 2 feet high; leaves trifoliate, very deep green; flowers purple.

242667. ERANTHEMUM WATTH Stapf Acanthaceae.

Col. No. 5641. Perennial to 18 inches high; flowers dark purple. (Cuttings.)

242668. EUPATORIUM SORDIDUM Less. Asteraceae.

Col. No. 5642. Rank-growing shrub to 6 feet high; young leaves bronze-green, petioles reddish; leaves to 8 inches long; flowers violet. (Cuttings.)

242669. HIBBERTIA DENTATA R. Br. Dilleniaceae.

Col. No. 5634. Climbing evergreen perennial; leaves elliptic, bronze-green; flowers bright yellow. (Cuttings.)

242670. ILEX AQUIFOLIUM L. Aquifoliaceae.

Col. No. 5588. 'Ovata'. Leaves mostly flat, elliptic, coarsely toothed, deep green above. (Cuttings.) (Staminate.)

242671 and 242672. ILEX × ALTACLARENSIS Dallim.

242671. Col. No. 5581. 'Pyramidalis'. Leaves predominantly coarse spiny undulate-toothed, sometimes nearly entire, lustrous above; a good berried type. (Cuttings.) (Pistillate.)

242661 to 242789—Continued**242671 to 242672—Continued**

242672. Col. No. 5587. 'Pyramidalis Aurea'. Branches ascending; leave. elliptic to oblanceolate, mostly entire, yellow margin; fruits a good reds (Cuttings.) (Pistillate.)

242673. ILEX AQUIFOLIUM L.**English holly.**

Col. No. 5585. 'Argentea-Regina'. Silver Queen holly. Leaves broadly ovate, coarsely spine-toothed, flat to undulate, yellow band. (Cuttings.) (Staminate.)

242674. ILEX INTEGRA Thunb**Holly.**

Col. No. 5633. Cambridge Botanic Garden, Cambridge. Small evergreen tree or large shrub; leaves to 4 inches long; fruit bright red. (Cuttings.)

242675. ILEX × ALTA CLARENSIS Dallim.

Col. No. 5602. 'Nigrescens'. Leaves broadly ovate, flat entire, dark green above, dull yellowish green below; berries dark red. (Cuttings.)

242676 to 242678. Cambridge Botanic Garden, Cambridge.

242676. IRIS (hybrid). Iridaceae.

Col. No. 5629. (*I. japonica* × *I. wattii*).

242677. JABOROSA INTEGRIFOLIA Lam. Solanaceae.

Col. No. 5634. Rhizomatous perennial; leaves basal; flowers white.

242678. LOBELIA ERINUS L. Campanulaceae.

Col. No. 5636. 'Kath Mallard'. Flowers double, pale blue. (Cuttings.)

242679. SANSEVIERIA METALLICA Ger. & Labr. Liliaceae.

Col. No. 5603. Stout rhizomatous perennial; leaves undulate; flowers long-tubular, white.

242680 and 242681. Cambridge Botanic Garden, Cambridge.

242680. SEQUOIA SEMPERVIRENS (Lamb.) Endl. Pinaceae.

Col. No. 5632. 'Cantab'. A sport of the normal form with much denser foliage, prostrate habit.

242681. THUNBERGIA ERECTA (Benth.) T. Anders. Acanthaceae.

Clockvine.

Col. No. 5640. Erect shrub to 6 feet high; flowers deep blue. (Cuttings.)

242682. (Undetermined.)

Col. No. 5630. Originally from New Guinea. Shrub. (Cuttings.)

242683. (Undetermined.) Zingiberaceae.

Col. No. 5683. Originally from New Guinea. Rhizomatous perennial.

242684 to 242789. Epiphytes.

242684 to 242696. Originally from Madagascar.

242684. AERANGIS MODESTA (Hook. f.) Schlecht. Orchidaceae.

Col. No. 5671.

242685. AERANTHES RAMOSA Rolfe Orchidaceae.

Col. No. 5682.

242686 and 242687. ANGRAECUM CALCEOLUS Thou. Orchidaceae.

242686. Col. No. 5658.

242687. Col. No. 5712. Flowers stay open for several weeks.

242688. ANGRAECUM COMPACTUM Schlecht.

Col. No. 5680.

242661 to 242789—Continued**242684 to 242789—Continued****242684 to 242696—Continued****242689.** ANGRAECUM FILICORNU Thou.

Col. No. 5618. (Cuttings.)

242690. ANGRAECUM HUMBLOTII Reichb. f.

Col. No. 5728.

242691. ANGRAECUM OBESUM H. Perr.

Col. No. 5717.

242692. CIRRHOPETALUM UMBELLATUM (Forst. f.) Frapp. Orchidaceae.

Col. No. 5730.

242693 to 242696. BULBOPHYLLUM AURIFLORUM H. Perr. Orchidaceae**242693.** Col. No. 5625.**242695.** Col. No. 5707.**242694.** Col. No. 5670.**242696.** Col. No. 5719.**242697 to 242701.** Originally New Guinea.**242697.** BULBOPHYLLUM DENDROCHILOIDES Schlecht.

Col. No. 5704.

242698. BULBOPHYLLUM HARBOPUS Schlecht.

Col. No. 5644.

242699. BULBOPHYLLUM LEUCOTHYRSUS Schlecht.

Col. No. 5692.

242700. BULBOPHYLLUM MINUTIPETALUM Schlecht.

Col. No. 5693.

242701. BULBOPHYLLUM MONOSEPALUM Rodrig.

Col. No. 5722.

242702 to 242706. Originally from Madagascar.**242702 to 242704.** BULBOPHYLLUM MULTIFLORUM Ridley.**242702.** Col. No. 5675.**242704.** Col. No. 5711.**242703.** Col. No. 5708.**242705.** BULBOPHYLLUM OCCLUSUM Ridley

Col. No. 5679.

242706. BULBOPHYLLUM SERRATUM H. Perr.

Col. No. 5709.

242707 to 242712. Originally from New Guinea.**242707 and 242708.** BULBOPHYLLUM SPARSIFOLIUM Schlecht.**242707.** Col. No. 5668.**242708.** Col. No. 5703.**242709.** BULBOPHYLLUM UROSEPALUM Schlecht.

Col. No. 5645.

242710. BULBOPHYLLUM sp.

Col. No. 5660.

242711. BULBOPHYLLUM sp.

Col. No. 5721.

242661 to 242789—Continued**242684 to 242789—Continued****242707 to 242712—Continued**

242712. *CADETIA CHIONANTHA* (Schlect.) Schlecht. Orchidaceae.

Col. No. 5609.

242713. *CIRRHOPETALUM UMBELLATUM* (Forst. f.) Frapp Orchidaceae.

Col. No. 5725. Madagascar.

242714 to 242735. Originally from New Guinea.

242714. *CERATOSTYLIS PLATYCHILA* Schlecht. Orchidaceae.

Col. No. 5611. Stems equisetum-like; flowers minute.

242715. *COELOGYNE FRAGRANS* Schlecht. Orchidaceae.

Col. No. 5654.

242716 and 242717. *DENDROCHILUM BARTONII* (Ridley) Schlecht
Orchidaceae.

242716. Col. No. 5647.

242717. Col. No. 5687.

242718 and 242719. *DENDROBIUM CHRYSOTROPIS* Schlecht.

242718. Col. No. 5624.

242719. Col. No. 5648.

242720 to 242723. *DENDROBIUM CYANACENTRUM* Schlecht.

242720. Col. No. 5620.

242722. Col. No. 5647.

242721. Col. No. 5659.

242723. Col. No. 5698.

242724. *DENDROBIUM DICHROMA* Schlecht.

Col. No. 5714.

242725. *DENDROBIUM* sp.

Col. No. 5686.

242726. *DENDROBIUM FLAMMULA* Schlecht.

Col. No. 5690.

242727 and 242728. *DENDROBIUM LEUCORHODUM* Schlecht.

242727. Col. No. 5691.

242728. Col. No. 5695.

242729. *DENDROBIUM* sp.

Col. No. 5619.

242730. *DENDROBIUM CHRYSOTROPIS* Schlecht.

Col. No. 5619.

242731 and 242732. *DENDROBIUM* sp.

242731. Col. No. 5623.

242732. Col. No. 5720.

242733. *DENDROCHILUM BARTONII* (Ridley) Schlecht. Orchidaceae.

Col. No. 5684.

242734. *DIPLOCAULOBIMUM FARINIFERUM* (Schlecht.) Carr. Orchidaceae.

Col. No. 5726.

242735. *DIPLOCAULOBIMUM MISCHOBULBUM* (Schltr.) A. D. Hawles.

Col. No. 5661.

242661 to 242789—Continued**242684 to 242789—Continued**

242736. *DISCHIDIA BENGALENSIS* Colebr. Asclepiadaceae.

Col. No. 5608. Originally from India to Malaya. Perennial; leaves succulent, oblong-lanceolate, flat; flowers inconspicuous. (Cuttings.)

242737. *DORITIS PULCHERRIMA* Lindl. Orchidaceae.

Col. No. 5678. Originally from Eastern India.

242738 and 242739. *EPIBLASTUS AURICULATUS* Schlecht. Orchidaceae.

242738. Col. No. 5697.

242739. Col. No. 5701.

242740. *EPIBLASTUS ORNITHIODES* Schlecht.

Col. No. 5699. Originally from New Guinea.

242741. *ERIA* sp. Orchidaceae.

Col. No. 5731. Originally from New Guinea.

242742. *EULOPHIA RAMOSA* Ridl.

Col. No. 5681. Originally from Madagascar.

242743. *GLOSSORHYNCHA DISCHARENSIS* Schlecht. Orchidaceae.

Col. No. 5659. Originally from New Guinea.

242744. *GUSSONIA* sp. Orchidaceae.

Col. No. 5715. Originally from Tanganyika.

242745. *JUMELLEA BATHIEI* Schlecht. Orchidaceae.

Col. No. 5653. Originally from Madagascar.

242746 and 242747. *JUMELLEA GRACILIPES* Schlecht.

Originally from Madagascar.

242746. Col. No. 5676.

242747. Col. No. 5688.

242748. *LIPARIS CONFUSA* J. E. Sm. Orchidaceae.

Col. No. 5713. Originally from New Guinea. Flowers white, spicate.

242749. *LIPARIS* sp.

Col. No. 5729. Originally from Madagascar.

242750 to 242754. Originally from New Guinea.

242750. *MEDIOCALCAR MONTICOLA* Schlecht. Orchidaceae.

Col. No. 5689.

242751. *MEDIOCALCAR ERECTUM* Schlecht.

Col. No. 5621.

242752 and 242753. *MEDIOCALCAR UNIFLORUM* Schlecht.

242752. Col. No. 5624 (a.) 'Orientalis'.

242753. Col. No. 5733.

242754. *OBERONIA FALCIFOLIA* Schlecht. Orchidaceae.

Col. No. 5649.

242755 to 242759. Originally from Madagascar.

242755 to 242757. (Undetermined.)

242755. Col. No. 5667.

242756. Col. No. 5694.

242757. Col. No. 5706.

242661 to 242789—Continued**242684 to 242789—Continued****242755 to 242759—Continued****242758 and 242759.** POLYSTACHYA CULTRIFORMIS Lindl. Orchidaceae.**242758.** Col. No. 5673.**242759.** Col. No. 5700.**242760.** TRICHOCEROS sp.

Col. No. 5663. Originally from Costa Rica.

242761. TRIDACTYLE BICAUDATA Schlecht. Orchidaceae.

Col. No. 5655. (Cuttings.) Originally from Tanganyika.

242762. DENDROBIUM sp. Orchidaceae.

Col. No. 5622. Originally from New Guinea.

242763. ANGRAECUM sp. Orchidaceae.

Col. No. 5626. Originally from New Guinea.

242764. (Undetermined.)

Col. No. 5627. Originally from Madagascar.

242765. ANGRAECUM sp. Orchidaceae.

Col. No. 5628. Originally from New Guinea.

242766. BULBOPHYLLUM sp. Orchidaceae.

Col. No. 5646. Originally from New Guinea.

242767. (Undetermined.)

Col. No. 5651. Originally from New Guinea.

242768. BULBOPHYLLUM sp. Orchidaceae.

Col. No. 5652. Originally from Madagascar.

242769. PLATYCLINIS sp. Orchidaceae.

Col. No. 5656. Originally from New Guinea.

242770. MAXILLARIA sp. Orchidaceae.

Col. No. 5662. Originally from New Guinea.

242771. BULBOPHYLLUM sp. Orchidaceae.

Col. No. 5665. Originally from New Guinea.

242772 to 242789. Originally from Madagascar, unless otherwise noted.**242772.** (Undetermined.) Orchidaceae.

Col. No. 5666.

242773. BULBOPHYLLUM sp. Orchidaceae.

Col. No. 5669.

242774. (Undetermined.) Orchidaceae.

Col. No. 5672.

242775. BULBOPHYLLUM sp. Orchidaceae.

Col. No. 5674.

242776. (Undetermined.) Orchidaceae.

Col. No. 5677.

242777. COELOGYNE sp. Orchidaceae.

Col. No. 5679.

242661 to 242789—Continued**242684 to 242789—Continued****242772 to 242789—Continued**

242778. *ANSELLIA GIGANTEA* var. *NILOTICA* (Bak.) Summerh. Orchidaceae.

Col. No. 5685. Originally from Tanganyika.

242779. (Undetermined.) Orchidaceae.

Col. No. 5696.

242780. *COELOGYNE* sp. Orchidaceae.

Col. No. 5702.

242781 and 242782. *CIRRHOPELALUM* sp. Orchidaceae.

242781. Col. No. 5705.

242782. Col. No. 5710.

242783. *AERANTHES* sp. Orchidaceae.

Col. No. 5716.

242784. *BULBOPHYLLUM* sp. Orchidaceae.

Col. No. 5718.

242785. (Undetermined.) Orchidaceae.

Col. No. 5723.

242786. *BULBOPHYLLUM* sp. Orchidaceae.

Col. No. 5724.

242787. (Undetermined.) Orchidaceae.

Col. No. 5727. Terrestrial.

242788 and 242789. *BULBOPHYLLUM* sp. Orchidaceae.

242788. Col. No. 5732.

242789. Col. No. 5734.

242790 and 242791. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Indonesia. Tubers presented by the Department of Agricultural Research, Institute for Plant Diseases, Bogor. Received October 8, 1957.

242790. 'Djawa'.

242791. 'Wulung'.

242792. *LATHYRUS CLYMENUM* L. Fabaceae.

From South Australia. Seeds presented by the Director of the Botanic Garden, Adelaide. Received October 9, 1957.

242793 to 242795.

From Ethiopia. Presented by the United States Operations Mission to Ethiopia Addis Ababa. Received October 9, 1957.

242793. *CATHA EDULIS* Forsk. Celastraceae.

Kat.

(Cuttings.)

242794 and 242795. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

242794. B-10 (Seed.)

242795. BE-11 (Seed.)

242796. *CHIMONOBAMBUSA QUADRANGULARIS* (Fenzl) Makino
Poaceae.

From China. Plants presented by the National Taiwan University College of Agriculture, Taipei, Taiwan. Received October 9, 1957.

242797. NARCISSUS PSEUDONARCISSUS L. Amaryllidaceae.

From Portugal. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 1, 1957.

Col. No. 5253. 'Early Maximus'. Garden of Entre Quintas, Oporto. Early flowering; trumpets deep yellow; scapes robust.

242798. STIPA TENACISSIMA Jusl. Poaceae. Esparto needlegrass.

From Tunisia. Plants presented by the Service Botanique, Ariana. Received October 9, 1957.

242799 and 242800. DACTYLIS GLOMERATA L. Poaceae.**Orchardgrass.**

From Israel. Seeds presented by the Agricultural Research Station, Neve-Yaar. Received October 10, 1957.

242799. $2n=14$. Judean Mountains.

242800. $2n=28$. Wild. Southern Coastal Plain, road to Dorot.

242801 to 242810. ORYZA SATIVA L. Poaceae.**Rice.**

From Bolivia. Seeds presented by the Ministerio de Agricultura, Servicio Agrícola Interamericano, La Paz. Received October 10, 1957.

242801. 'Aguja'. **242806.** 'Noventa Dias Colorado'.

242802. 'Cola de Burro'. **242807.** 'Palo Morado'.

242803. 'Mojito'. **242808.** 'Petacon'.

242804. 'Mojito Colorado'. **242809.** 'Pico de Pato'.

242805. 'Noventa Dias Blanco'. **242810.** 'Sin Cuero'.

242811 to 242839.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 10, 1957.

From the Royal Botanic Gardens, Kew, Surrey, England.

242811. ILEX AQUIFOLIUM L. Aquifoliaceae.

Col. No. 5737. 'Argentea Marginata'. Evergreen shrub to 20 feet high; leaves ovate, strongly spiny-toothed, margins yellow. (Pistillate.)

242812. ILEX × ALTAACLARENSIS Dallim.

Col. No. 5756. 'Atkinsonii'. Leaves broadly ovate, regularly spiny toothed, mostly flat. (Staminate.)

242813 to 242816. ILEX AQUIFOLIUM L.**English holly.**

242813. Col. No. 5741. 'Aurifolium'. Leaves acuminate, coarsely spiny-toothed, somewhat undulate to nearly flat, margins suffused yellowish. (Pistillate.)

242814. Col. No. 5750. 'Ciliata Major'. Leaves variously undulate, rarely flat, lustrous green throughout; twigs purplish. (Pistillate.)

242815. Col. No. 5760. 'Cookii'. Leaves ovate, coarsely spiny-toothed, flat to undulate, margins suffused yellowish green. (Pistillate.)

242816. Col. No. 5743. 'Crispa Aureo-Picta'. Leaves ovate, strongly twisted, sparsely undulate, lustrous green and blotched yellow to greenish yellow above. (Staminate.)

242817. ILEX × ALTAACLARENSIS Dallim.

Col. No. 5753. 'Donningtonensis'. Leaves mostly elliptic, sometimes entire or coarsely spiny-toothed, lustrous green above; stems purplish. (Staminate.)

242811 to 242839—Continued**242818.** ILEX AQUIFOLIUM L.**English holly.**

Col. No. 5740. 'Flavescens'. Leaves ovate to elliptic, undulate, suffused yellow towards the leaf tips. (Pistillate.)

242819. ILEX × ALTACLARENSIS Dallim.

Col. No. 5751. 'Golden King'. Leaves broadly ovate, mostly entire finely-toothed, margins yellowish, dull green. (Pistillate.)

242820 to 242823. ILEX AQUIFOLIUM L.**English holly.****242820.** Col. No. 5746. 'Aurea-Regina'. Golden Queen Holly. Leaves broadly ovate, margins yellowish, strongly spiny and undulate. (Staminate.)**242821.** Col. No. 5762. 'Handsworthensis'. Leaves elliptic, variously spiny-toothed, semi-entire, lustrous green above; stems purplish. (Staminate.)**242822.** Col. No. 5745. 'Handsworth New Silver'. Leaves ovate, wide, coarsely undulate, flat, whitish margined. (Pistillate.)**242823.** Col. No. 5759. 'Heterophylla Aurea-Marginata'. Leaves ovate, mostly entire, occasionally spiny, mostly flat to undulate, margins suffused yellowish, center dark green; stems bright green. (Staminate.)**242824 and 242825.** ILEX AQUIFOLIUM L.**English holly.****242824.** Col. No. 5752. 'Argentea-Marginata Elegantissima'. Leaves ovate to elliptic, strongly long spiny-toothed, border yellowish. (Staminate.)**242825.** Col. No. 5748. 'Monstrosa'. Leaves mostly elliptic, coarsely spiny-toothed, spines erect, deep lustrous green above. (Staminate.)**242826.** ILEX × ALATACLARENSIS Dallim.

Col. No. 5747. 'Morei'. Leaves broadly ovate, uniformly spiny-toothed. (Staminate.)

242827 to 242832. ILEX AQUIFOLIUM L.**English holly.****242827.** Col. No. 5754. 'Mundy'. Leaves broadly ovate, irregularly spiny-toothed, deep green above. (Staminate.)**242828.** Col. No. 5755. 'Oak Vale'. Branches purplish; leaves variously spiny-toothed, sometimes nearly entire, dull green above. (Staminate.)**242829.** Col. No. 5749. 'Rubicaulis-Aurea'. Leaves broadly ovate to sub-orbicular, margins uniformly spiny-toothed, with narrow yellow bank. (Pistillate.)**242830.** Col. No. 5758. 'Scotica Aurea'. Leaves elliptic, mostly entire, blades mottled yellowish, suffused green to deep lustrous green. (Pistillate.)**242831.** Col. No. 5763. 'Victoria'. Leaves strongly spiny-toothed, undulate, margins yellowish, suffused green, (Staminate.)**242832.** Col. No. 5757. 'Watereriana'. Plant to 8 feet high, profusely branched and forming a dense bush; leaves ovate, variously spiny-toothed, sometimes nearly entire. (Staminate.)**242833.** ILEX × ALTACLARENSIS Dallim.

Col. No. 5744. 'Altaclarensis'. Leaves broadly ovate, irregularly spiny-toothed, deep green above. An extremely vigorous hybrid, the tallest holly at Kew. (Staminate.)

242834. ILEX × BEANII RehderCol. No. 5761. Tree to 15 feet high; leaves wide, mostly elliptic, sparsely finely-toothed to entire. (Pistillate.) (*I. aquifolium* × *I. dipyrrena*.)

242811 to 242839—Continued**242835.** *ILEX DIPYRENA* Wall.

Col. No. 5742. Tree to 30 feet high; leaves mostly entire, acuminate, sometimes finely serrate.

242836. *ILEX PLATAPHYLLA* Webb & Berth.

Col. No. 5738. Tree to 30 feet high; leaves mostly entire, but sparingly spiny-toothed, uniformly spine-tipped; berries bright red.

242837. *ILEX* × *ALTACLARENSIS* Dallim.

Col. No. 5739. 'Hodginsii'. Leaves uniformly spiny-toothed, broadly ovate, lustrous above; berries red. (Pistillate.)

242838. *ILEX* sp.

Col. No. 5735. Evergreen shrub; leaves sparsely undulate spiny, lustrous green above, much lighter below.

242839. *ILEX* sp.

Col. No. 5736. Evergreen shrub; leaves sparsely undulate spiny, lustrous green above, much lighter below.

242840 and 242841.

From India. Seeds presented by the Naval Attache, U.S.A. Embassy, New Delhi. Received January 3, 1957.

From near Rohtak, Punjab.

242840. *HORDEUM* sp. Poaceae.**Barley.****242841.** *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.****242842 to 242844.** *SACCHARUM* (hybrid). Poaceae. **Sugarcane.**

From Australia. Cuttings presented by the Colonial Sugar Refining Co., Ltd., Sydney. Received October 14, 1957.

242842. 39S. N. 2821.**242844.** 55M. Q. 2488.**242843.** 55M. Q. 2488.**242845.** *PRUNUS PERSICA* (L.) Batsch Amygdalaceae. **Peach.**

From France. Budwood presented by Llugany Henri, Elne. Received October 14, 1957.

'Madiline Pouijet'.

242846 to 242868.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 14, 1957.

From the Botanical Garden, Edinburgh, Scotland, received as cuttings unless otherwise noted.

242846 to 242850. Garden at Myddelton House, Bulls Cross, Enfield, Hertfordshire, England.**242846.** *AZARA MICROPHYLLA* Hook. f. Flacourtiaceae.

Col. No. 5771. 'Variegata'. Evergreen shrub to 8 feet high; leaves broadly ovate, yellow variegation.

242847. *BUXUS SEMPERVIRENS* L. Buxaceae.**Common box.**

Col. No. 5768. 'Hardwickensis'. Evergreen shrub; branches ascending; leaves broadly ovate.

242848. *HEDERA HELIX* L. Araliaceae.**English ivy.**

Col. No. 5773. 'Cristata'. Evergreen climber; leaves broadly ovate-cordate, strongly crispate on the margins.

242846 to 242868—Continued

- 242849.** *HOLCUS LANATUS* L. Poaceae. **Velvetgrass.**
Col. No. 5772. 'Variegatus'. Dwarf perennial forming a dense mat; leaves with white margins. (Clump.)
- 242850 to 242853.** *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**
- 242850.** Col. No. 5766. 'Angustifolium'. Evergreen tree to 30 feet high; leaves ovate, acuminate, regularly spiny-toothed, lustrous green above; berries red.
- 242851.** Col. No. 5777. 'Argentea Longifolia'. Leaves mostly elliptic, coarsely undulate, margins silvery. (Staminate.)
- 242852.** Col. No. 5780. 'Argentea-Marginata'. Branches strongly pendulous; leaves mostly ovate, coarsely spiny-toothed, nearly entire, yellowish margins; berries red. (Pistillate.)
- 242853.** Col. No. 5782. 'Argentea-Regina'. Silver Queen Holly. Leaves broadly ovate, coarsely spiny-toothed, lustrous green with yellowish margins.
- 242854.** *ILEX* × *ALTAACLARENSIS* Dallim.
Col. No. 5774. 'Aurea Angustifolia'. Leaves elliptic, variously spiny toothed, nearly entire, margins yellowish. (Pistillate.)
- 242855 to 242857.** *ILEX AQUIFOLIUM* L. **English holly.**
- 242855.** Col. No. 5789. 'Aurifodina'. Stems purplish; leaves mostly elliptic, coarsely spiny-toothed, irregularly ciliate-toothed, sometimes entire, lustrous deep green above. (Pistillate.)
- 242856.** Col. No. 5787. 'Handsworthensis'. Stems purplish; leaves ovate, sharp spiny-tipped, irregularly ciliate-toothed margined, sometimes entire, lustrous deep green above. (Staminate.)
- 242857.** Col. No. 5784. 'Aurea-Regina'. Golden Queen Holly. Leaves lustrous green with creamy-silver edges. (Staminate.)
- 242858 to 242860.** *ILEX* × *ALTAACLARENSIS* Dallim.
- 242858.** Col. No. 5779. 'Lawsoniana'. Leaves broadly ovate, irregularly spiny-toothed, sometimes nearly entire, often with large yellowish-white patches suffused green to dark green. (Pistillate.)
- 242859.** Col. No. 5788. 'Senescens'. Stems green; leaves mostly ovate, irregularly spiny-toothed, nearly entire, lustrous deep green above. (Pistillate.)
- 242860.** Col. No. 5786. 'W. J. Bean'. Leaves mostly broad ovate, irregularly spiny-toothed, dark lustrous green above; berries red. (Pistillate.)
- 242861 to 242864.** *ILEX AQUIFOLIUM* L. **English holly.**
- 242861.** Col. No. 5783. 'Madam Briot'. Leaves lustrous green suffused yellow margins, coarsely undulate. (Staminate.)
- 242862.** Col. No. 5776. 'Myrtifolia Aurea'. Shrub to eight feet high; stems purplish; leaves ovate, uniformly finely spiny-toothed, variously suffused yellowish-green, lustrous above. (Staminate.)
- 242863.** Col. No. 5778. 'Recurva'. Stems green; leaves elliptic, coarsely spiny-toothed, strongly recurved at the tip, lustrous green above. (Staminate.)
- 242864.** Col. No. 5781. 'Sichtenthalii'. Leaves narrowly ovate to elliptic, entire, lustrous dark green above.
- 242865 and 242866.** *ILEX* × *ALTAACLARENSIS* Dallim.
- 242865.** Col. No. 5785. 'Smithiana'. Leaves irregularly spiny-toothed, sometimes nearly entire, lustrous dark green above. (Staminate.)
- 242866.** Col. No. 5775. Large shrub; stems purplish; leaves mostly ovate, mostly coarsely spiny, undulate, lustrous dark green above, lighter below; berries red.

242846 to 242868—Continued

242867. *PRUNUS LAUROCERASUS* L. Amygdalaceae. **Cherry laurel.**

Col. No. 5769. 'Kitaebelii'. Evergreen shrub; leaves narrowly elliptic, acuminate.

242868. *VITIS VINIFERA* L. Vitaceae. **European grapes.**

Col. No. 5770. 'Purpurea'. Deciduous vine; leaves strongly purplish-red from the beginning.

242869 and 242870.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 1, 1957.

From the Botanical Garden, Edinburgh, Scotland.

242869. *CRYPTOMERIA JAPONICA* var. *SINENSIS* Sieb. Pinaceae.

Col. No. 5508. Evergreen tree with more spreading branches than the Japanese form.

242870. *FICUS CANNONII* (Bull.) N. E. Br. Moraceae. **Fig.**

Col. No. 5507. Tree; leaves to 10 inches long, purplish-red throughout.

242871. *PRUNUS* sp. Amygdalaceae.

From Yugoslavia. Seeds presented by the Institute for Fruit Culture, Cacak. Received October 16, 1957.

'Petrovaca'.

242872 to 242896.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 16, 1957.

From the Botanical Garden, Kew, England, received as cuttings unless otherwise noted.

242872 and 242873. *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds Verbenaceae. (*C. incana* × *C. mongholica*.)

242872. Col. No. 5805. 'Kew Blue'. Suffrutescent subshrub to 30 inches high; flowers azure blue.

242873. Col. No. 5820. Suffrutescent subshrub to 30 inches high; flowers indigo blue.

242874. *DICHOTOMANTHES TRISTANIAECARPA* Kurz Amygdalaceae.

Col. No. 5817. Large evergreen shrub; leaves oblong to 3 inches long.

242875. *EUPHORBIA ROBBIAE* Turrill Euphorbiaceae.

Col. No. 5807. Rhizomatous perennial to 12 inches high, creeping so as to cover a large area; stems limber, green; leaves close toward top of the stems, deep green. (Plants.)

242876. *HEDERA CANARIENSIS* Willd. Araliaceae. **Ivy.**

Col. No. 5821. 'Arborescens'. Erect shrub, flowering form; leaves all green.

242877 and 242878. *HEDERA COLCHICA* Koch **Colchis ivy.**

242877. Col. No. 5819. 'Arborescens'. Erect shrub, flowering form; leaves small; flowers yellowish.

242878. Col. No. 5818. 'Arborescens'. Shrub; leaves wide, lustrous green.

242879. *HOLBOELLIA LATIFOLIA* Wall. Lardizabalaceae.

Col. No. 5811. Twining evergreen climber; leaves leathery, ternate; fruits fleshy. (Seed.)

242872 to 242896—Continued

- 242880.** *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**
Col. No. 5808. 'Aurea-Marginata Fructo-Luteo'. Leaves mostly ovate, coarsely spiny-toothed, margins yellowish-white. (Pistillate.)
- 242881.** *ILEX CILIOSPINOSA* Loes.
Col. No. 5801. Evergreen tree to 20 feet high, inclined to form a single trunk; leaves sparsely spiny-margined, dull green above. (Staminate.)
- 242882.** *ILEX PURPUREA* Hassk.
Col. No. 5800. Evergreen tree; leaves mostly elliptic, regularly spiny-toothed, furrowed to the midvein above, somewhat recurved, leathery, dull green, new leaves purplish.
- 242883.** *OSMANTHUS YUNNANENSIS* (Franch.) P. S. Green Oleaceae.
Col. No. 5814. Evergreen tree to 20 feet high; leaves lanceolate to ovate, strongly spiny coarse toothed, deep dark green above; flowers white, fragrant.
- 242884 and 242885.** *OSMANTHUS HETEROPHYLLUS* (G. Don) P. S. Green Oleaceae.
242884. Col. No. 5815. Evergreen shrub to 8 feet high; leaves yellowish variegated, a narrow leaf form.
242885. Col. No. 5816. 'Latifolius Variegatus'. Evergreen shrub to 8 feet high; leaves with a broad whitish peripheral band.
- 242886.** *OSMANTHUS SUAVIS* C. B. Clarke
Col. No. 5802. Evergreen shrub to 12 feet high; leaves deep lustrous green above, regularly finely serrate, the lenticels prominent on the twigs.
- 242887.** *OSMANTHUS SERRULATUS* Rehder
Col. No. 5825. Evergreen shrub to 8 feet high; branches very dense; leaves elliptic to oblong, finely serrate, lustrous deep green above.
- 242888.** *OSMANTHUS* × *FORTUNEI* Carr.
Col. No. 5806. (*O. fragrans* × *O. heterophyllus*.) Evergreen shrub to 8 feet high, much-branched; leaves strongly spiny-toothed, lustrous green above; flowers very fragrant.
- 242889.** *OSMANTHUS* sp.
(Unnumbered.) Much-branched evergreen shrub to 8 feet high; flowers very fragrant.
- 242890 and 242891.** *PHILLYREA DECORA* Boiss. & Bal. Oleaceae.
242890. Col. No. 5809. Much-branched evergreen shrub to 15 feet high, forming a spreading round-headed plant; leaves mostly oblong, leathery, deep green above, lighter below.
242891. Col. No. 5824. Evergreen shrub to 10 feet high; leaves narrowly elliptic, dull green above.
- 242892.** *PHOTINIA* sp. Malaceae.
Col. No. 5813. Large evergreen shrub; twigs and petioles reddish; leaves obovate, mucronate, finely serrate.
- 242893.** *POTENTILLA FRUTICOSA* L. Rosaceae. **Shrubby cinquefoil.**
Col. No. 5810. 'Bowles'. Much-branched shrub to 30 inches high; leaves to 0.75 inch long; flowers deep yellow.
- 242894.** *SALIX* × *GRAHAMII* Borrer Salicaceae.
Col. No. 5812. (*S. herbacea* × *S. phylicifolia*.) Deciduous, prostrate shrub; leaves ovate, long, lustrous green above.
- 242895.** *SARCOCOCCA CONFUSA* Sealy Buxaceae.
Col. No. 5803. Much-branched evergreen shrub to 3 feet high, dense; leaves acuminate, lustrous green above.

242872 to 242896—Continued

242896. *SARCOCOCCA RUSCIFOLIA* var. *CHINENSIS* (Franch.) Rehd. & Wils.

Col. No. 5804. Evergreen shrub; branches mostly ascending; leaves ovate, acuminate, lustrous green above.

242897 to 242903.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 17, 1957.

242897. *CUPHEA LANCEOLATA* Dryand. Lythraceae.

Col. No. 5764. Cambridge Botanic Garden, Cambridge, England. Sticky annual to 18 inches high; flowers violet-purple. (Seed.)

242898 to 242903. From the Royal Botanic Gardens, Kew, England.

242898 and 242899. *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**

242898. Col. No. 5791. 'Angustifolium Aurea-Maculata'. Leaves occasionally variegated yellow. (Staminate.)

242899. Col. No. 5798. 'Fisheri'. Twigs green; leaves variously shaped, mostly ovate or elliptic, sometimes undulated, coarsely spiny-toothed, sometimes entire. (Staminate.)

242900. *ILEX* × *ALTAFLARENSIS* Dallim.

Col. No. 5790. 'Foxii'. (*I. aquifolium* × *I. perado*). Young stems purplish; leaves mostly broadly ovate, regularly coarsely serrate, mostly quite flat, lustrous deep green above. (Staminate.)

242901. *ILEX AQUIFOLIUM* L.

English holly.

Col. No. 5795. 'Ingramii'. Older leaves lustrous deep green, younger leaves streaked whitish. (Staminate.)

242902 and 242903. *ILEX* × *ALTAFLARENSIS* Dallim.

242902. Col. No. 5799. (*I. aquifolium* × *I. perado*) 'Marnockii'. Leaves mostly elliptic, entire or irregularly undulate, spiny-toothed, very lustrous deep green above; berries red. (Pistillate.)

242903. Col. No. 5793. 'Repanda'. Leaves mostly ovate to elliptic, irregularly undulate, spiny, sometimes nearly entire, periphery suffused yellowish, otherwise lustrous dark green. (Pistillate.)

242904. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 22, 1957.

From the Royal Botanic Gardens, Kew, England.

Col. No. 5830. Deciduous tree; flowers deep pink.

242905 to 242907.

From Afghanistan. Seeds presented by Dr. Arnold Krochmal, University of Wyoming Team, Kabul. Received October 18, 1957.

Bazaar, Herat.

242905. *CAPSICUM FRUTESCENS* L. Solanaceae.

Redpepper.

Very pungent. Fruits bright red.

242906. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae.

Watermelon.

Leaves much reduced; fruits about 24 inches in diameter, cylindrical; skin striped and solid green; rind fairly sweet, medium-thick; flesh whitish and pinkish.

242907. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

Mixed seeds. Fruits watermelon shaped to 5 inches long, dark brown with yellow striped or round, bright yellow to 3 inches in diameter.

242908 to 242914. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Hawaii. Cuttings presented by the Experiment Station, Hawaiian Sugar Planters Association, Honolulu. Received October 21, 1957.

242908. 33-9039.

242912. 47-6024.

242909. 40-1184.

242913. 53-4662.

242910. 44-2364.

242914. Chino.

242911. 47-6022.

242915 to 242920

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 21, 1957.

From the Botanical Garden, Kew, England. Received as cuttings unless otherwise noted.

242915. RHODODENDRON JASMINIFLORUM Hook. Ericaceae.

Col. No. 5826. Evergreen shrub to 3 feet high; flowers red, tubular.

242916 and 242917. RHODODENDRON JAVANICUM (Blume) Benn.

242916. Col. No. 5829. 'Pink Delight'. Evergreen shrub to 5 feet high; leaves to 4 inches long, oblong, deep green above; flowers in a loose truss, clear pink.

242917. Col. No. 5827. Evergreen shrub to 3 feet high.

242918. RHODODENDRON RETUSUM (Bl.) Benn.

Col. No. 5828. Evergreen shrub to 3 feet high; flowers red.

242919 and 242920. From John Waterer & Sons and Crisp, Ltd., Surrey, England.

242919. RUBUS sp. Rosaceae.

Col. No. 5822. (Seed.)

242920. SORBUS VILMORINII C. Schneid. Malaceae. **Mountain-ash.**

Col. No. 5823. Small tree; fruits pink. (Seed.)

242921 to 242936.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 21, 1957.

From the Borde Hill Gardens (Lady Clarke) Haywards Heath, Sussex, England. Received as cuttings unless otherwise noted.

242921. ABELIA TRIFLORA R. Br. Caprifoliaceae. **Himalaya abelia.**

Col. No. 5842. Deciduous shrub to 12 feet high; leaves ovate to ovate-lanceolate acuminate; flowers rose-white.

242922. AMICIA ZYGOMERIS DC. Fabaceae.

Col. No. 5847. Chelsea Physic Garden, London, England. Shrub to 8 feet high; flowers yellow. Originally from Mexico.

242923. EUCRYPHIA \times NYMANENSIS Bausch Eucryphiaceae.

Col. No. 5841. 'Nymansay'. (*E. cordifolia* \times *E. glutinosa*) Evergreen tree to 30 feet high; leaves oblong, uniformly serrate.

242924. ILEX DIPYRENA Wall. Aquifoliaceae. **Holly.**

Col. No. 5834. Evergreen tree to 30 feet high; leaves oblong-acuminate, regularly wide-spaced spiny-toothed.

242925. ILEX PEDUNCULOSA Miquel. **Holly.**

Col. No. 5844. Small evergreen tree; leaves ovate to oblong, short acuminate, entire, lustrous green above, margins somewhat undulate.

242921 to 242936—Continued

242926. *ILEX INTEGR*A Thumb. **Holly.**

Col. No. 5829. Evergreen tree to 10 feet high; leaves oblong, deep lustrous green above, lighter below. (Pistillate.)

242927. *ILEX PEDUNCULOSA* var. *CONTINENTALIS* Loes. **Holly.**

Col. No. 5840. Evergreen tree to 30 feet high; leaves ovate, lustrous green above, finely serrate on the upper half.

242928. *LAURUS NOBILIS* L. Lauraceae. **Grecian laurel.**

Col. No. 5836. 'Angustifolia'. Evergreen tree; leaves narrowly elliptic, margins slightly crispate.

242929. *LIGUSTRUM CONFUSUM* Decne. Oleaceae. **Privet.**

Col. No. 5843. Deciduous shrub to 12 feet high; leaves peachlike in appearance, mostly oblong, acuminate.

242930. *QUERCUS ALNIFOLIA* Poech Fagaceae.

Col. No. 5833. Small evergreen tree; leaves broadly ovate to nearly orbicular, serrate dentate, deep lustrous green above, rusty tomentose beneath.

242931. *RODGERSIA AESCULIFOLIA* Batal. Saxifragaceae.

Col. No. 5845. Rhizomatous perennial; petioles to 4 feet long. (Rhizomes.)

242932. *SCHISANDRA GRANDIFLORA* (Wall.) Hook. f. Magnoliaceae.

Col. No. 5834. Scrambling evergreen vine; leaves oblong, acuminate, finely serrate, petioles pinkish.

242933. *SCHIZOCAPSA PLANTAGINEA* Hance Taccaceae.

Col. No. 5832. Perennial, acaulescent; leaves to 8 inches long; flowers produced from the base in a loose umbel. (Seeds.)

242934. *SINOJACKIA REHDERIANA* Hu Styracaceae.

Col. No. 5838. Deciduous shrub to 5 feet high; leaves ovate, long, serrate.

242935 and 242936. *TELOPIA TRUNCATA* (Labill.) R. Br. Proteaceae.

242935. Col. No. 5837. Evergreen shrub to 8 feet high; leaves oblanceolate deep green above, glaucous below.

242936. Col. No. 5846. Evergreen shrub to 8 feet high; leaves oblanceolate, deep green above, glaucous below.

242937 to 242996.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 22, 1957.

From the Royal Horticultural Society Gardens, Ripley, Wisley, Woking, Surrey, England.

242937. *GAZANIA* (hybrid). Asteraceae.

Col. No. 5910. 'Repens'. Foliage green, pinnately divided; rays small, orange.

242938. *GAZANIA* × *SPLENDENS* Hends.

Col. No. 5916.

242939 to 242946. *GAZANIA* (hybrids).

242939. Col. No. 5914. 'Ariel'. Rays yellow with green and black centers.

242940. Col. No. 5848. 'Audrey'. Dwarf; leaves silvery; rays orange.

242941. Col. No. 5859. 'Betty'. Very strong grower; rays yellow, green-eyed.

242942. Col. No. 5855. 'Bridget'.

242937 to 242996—Continued**242939 to 242946—Continued**

242943. Col. No. 5894. 'Buff'. Rays buff-colored.

242944. Col. No. 5853. 'Christopher'. Rays mauve-pink with a dark eye.

242945. Col. No. 5864. 'Daphne'. Rays yellow, with green eye.

242946. Col. No. 5861. 'David'. Rays red-brown, with green eye.

242947. *GAZANIA* × *SPLENDENS* Hends.

Col. No. 5908. 'Wisley DCX7'. Like a paler 'Bridget'.

242948 to 242964. *GAZANIA* (hybrids).

242948. Col. No. 5869. 'Faith'. Vigorous; foliage green; rays clear yellow with green eye.

242949. Col. No. 5872. 'Filigree'. Leaves deeply cut, silvery; rays orange-yellow with black eye.

242950. Col. No. 5892. 'Frances'. Dwarf; rays yellow.

242951. Col. No. 5842. 'Freddie'. Leaves lustrous green above, white tomentose below; rays burgundy-colored.

242952. Col. No. 5885. 'George'. Rays red-brown with brown eye.

242953. Col. No. 5849. 'Gold'. Foliage gray; rays solid orange.

242954. Col. No. 5913. 'Haddon's Gold'. Very vigorous, trailing; foliage deeply cut, gray; rays orange.

242955. Col. No. 5860. 'Hazel'. Rays red-brown.

242956. Col. No. 5884. 'Joan'. Very vigorous; rays light orange.

242957. Col. No. 5857. 'Lilac Pink'.

242958. Col. No. 5901. 'Lilian'. Strong grower; rays red-brown.

242959. Col. No. 5893. 'Margaret'. Dwarf; rays orange.

242960. Col. No. 5897. 'Maurice'. Rays orange and yellow.

242961. Col. No. 5856. 'Red Torch'.

242962. Col. No. 5858. 'Roger'.

242963. Col. No. 5850. 'Rosemary'. Rays orange-yellow.

242964. Col. No. 5851. 'Silver Gilt'.

242965 to 242968. *GAZANIA* × *SPLENDENS* Hends.

242965. Col. No. 5915. 'Tolls Orange'. Foliage gray; rays bright orange.

242966. Col. No. 5911. 'Wisley 509'.

242967. Col. No. 5896. 'Wisley 679'. Rays large, orange, with black eye.

242968. Col. No. 5863. 'Wisley 718'. Rays yellow with small dark eye.

242969. *GAZANIA* (hybrid).

Col. No. 5866. 'Patrick'. Rays glowing orange, good eye.

242970 to 242991. *GAZANIA* × *SPLENDENS* Hends.

242970. Col. No. 5867. 'Wisley 770'. Rays deep brown-red with dark eye.

242971. Col. No. 5898. 'Wisley 772'. Dwarf, not very vigorous; rays orange with well-marked dark eye.

242972. Col. No. 5868. 'Wisley 777'.

242973. Col. No. 5889. 'Wisley 780'. Rays whitish to cream colored with dark eye.

242974. Col. No. 5905. 'Wisley 782'. Rays very large, light orange.

242975. Col. No. 5907. 'Wisley 783'. Rays large, yellow with brown eye.

242937 to 242996—Continued**242970 to 242991—Continued**

- 242976.** Col. No. 5902. 'Wisley 784'. Rays yellow, dark eye.
242977. Col. No. 5909. 'Wisley 784'. Rays yellow, dark eye.
242978. Col. No. 5871. 'Wisley 789'.
242979. Col. No. 5874. 'Wisley 793'. Foliage dark green; rays burnt-orange with green eye.
242980. Col. No. 5876. 'Wisley 795'. Vigorous; rays medium brown-red.
242981. Col. No. 5903. 'Wisley 796'. Vigorous; foliage dark green; rays clear yellow.
242982. Col. No. 5877. 'Wisley 797'. Vigorous; foliage green; rays large, orange with black eye.
242983. Col. No. 5879. 'Wisley 799'. Spreading habit, vigorous; rays very large, yellow with finely marked green and black eye.
242984. Col. No. 5880. 'Wisley 800'. Rays red-brown with brown eye.
242985. Col. No. 5906. 'Wisley 801'. Rays flame yellow with a dark ring in center.
242986. Col. No. 5904. 'Wisley 802'. Dwarfish; rays orange with brown and black eye.
242987. Col. No. 5900. 'Wisley 804'. Foliage much divided; rays red-brown.
242988. Col. No. 5881. 'Wisley 805'. Vigorous; rays red-brown with brown eye.
242989. Col. No. 5882. 'Vera'.
242990. Col. No. 5899. 'Wisley 807'. Medium vigorous plant; rays cream colored with darker green eye.
242991. Col. No. 5883. 'Wisley 808'. Foliage gray; rays glowing orange, with dark eye.

242992. GAZANIA (hybrid).

Col. No. 5886. 'Keturah'. Rays cream, fading to pure white with greenish eye.

242993. GAZANIA × SPLENDENS Hends.

Col. No. 5887. 'Wisley 812'. Rays orange with dark greenish eye.

242994 and 242995. LAVANDULA SPICA L. Menthaceae. Lavender.

242994. Col. No. 5890. 'Alba'. Evergreen shrub, 3 feet tall; flowers white.

242995. Col. No. 5891. 'Nana'. Dwarf evergreen shrub; foliage gray.

242996. ROSMARINUS OFFICINALIS L. Menthaceae. Rosemary.

Col. No. 5895. 'Albiflorus'. Evergreen shrub; flowers white.

242997 to 243002.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 17, 1957.

From the Botanical Garden, Edinburgh, Scotland. Received as cuttings unless otherwise noted.

242997. ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.

Col. No. 5767. 'Angustifolium'. Garden at Myddelton House, Bulls Cross, Enfield, Hertfordshire. (Seeds.) (Pistillate.)

242998. ILEX CRENATA Thunb. Japanese holly.

Col. No. 5797. 'Luteo-Variegata'. Leaves occasionally blotched yellowish.

242997 to 243002—Continued**242999.** *ILEX FARGESII* Franch.**Holly.**

Col. No. 5796. Small evergreen tree; twigs reddish or purplish; leaves elliptic to oblanceolate sparsely serrate, dull green.

243000. *ILEX* × *ALTACLARENSIS* Dallim.

Col. No. 5794. 'Atrovirens'. Twigs green; leaves mostly ovate to elliptic, regularly wide-spaced spiny-toothed.

243001. *ILEX PURPUREA* Hassk.**Holly.**

Col. No. 5792. Evergreen shrub to 6 feet high; leaves elliptic, finely serrate, lustrous green above, midvein whitish, petioles reddish.

243002. *LEUCOJUM AUTUMNALE* L. Amaryllidaceae.**Snowflake.**

Col. No. 5765. Garden at Myddelton House, Bulls Cross, Enfield, Hertfordshire, England. Perennial; leaves grasslike; flowers white to pinkish. (Seeds.)

243003. *TAGETES LUCIDA* Cav. Asteraceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 23, 1957.

Col. No. 16546. Sierra Saguaribo, Sonora.

243004 to 243007.

From the Union of South Africa. Seeds presented by Theo. Wassenaar, Middleburg, Transvaal. Received October 24, 1957.

243004. *AVENA* sp. Poaceae.**243005.** *ERAGROSTIS CURVULA* (Schrad.) Nees. Poaceae. **Weeping lovegrass****243006.** *HORDEUM BULBOSUM* L. Poaceae.**Bulbous barley.****243007.** *HORDEUM SPONTANEUM* C. Koch**Barley.****243008 to 243010.**

From India. Seeds presented by V. B. Sharma, Saugor, Madhya Pradesh. Received October 23, 1957.

243008. *ALLIUM CEPA* L. Liliaceae.**Common onion.**

'Red Globe'.

243009. *ALLIUM RUBELLUM* Bieb.**243010.** *ALLIUM VICTORIALIS* L.**243011.** *ABELIA FLORIBUNDA* (Mart. & Gal.) Dcne. Caprifoliaceae.**Mexican abelia.**

From the United States. Plants growing at the U.S. Plant Introduction Station, Glenn Dale, Maryland. Numbered December 9, 1957.

Originally received September 16, 1957, as cuttings, from Eric Walther, Golden Gate Park, San Francisco, California.

243012 to 243044. *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**

From the United States. Plants growing at the U.S. Plant Introduction Garden Coconut Grove, Florida. Numbered October 24, 1957.

Originally received as budwood.

243012 to 243018. Clones from Turrialba, Costa Rica.**243012.** UF-221.**243016.** UF-668.**243013.** UF-613.**243017.** UF-676.**243014.** UF-650.**243018.** UF-677.**243015.** UF-667.

243012 to 243044—Continued

243019 to 243022. Clones from Bogor, Indonesia.

243019. DR-1. **243021.** DR-38.

243020. DR-2. **243022.** GC-7.

243023 to 243025. Clones from Guatemala. Originally from Mexico.

242023. 9-R. **243025.** 88-R.

242024. 52-R.

243026 to 243043. Clones from Trinidad.

243026. ICS-8. **243035.** ICS-61.

243027. ICS-32. **243036.** ICS-84.

243028. ICS-39. **243037.** IMC-67.

243029. ICS-40. **243038.** GS-29.

243030. ICS-43. **243039.** GS-36.

243031. ICS-44. **243040.** PA-121.

243032. ICS-47. **243041.** PA-169.

243033. ICS-53. **243042.** PA-218.

243034. ICS-60. **243043.** SCA-12.

243044. Clone UF-654. Received from Turrialba, Costa Rica.

243045 to 243048. *AVENA SATIVA* L. Poaceae. **Common oats.**

From Australia. Seeds presented by the Temora Experiment Farm, Department of Agriculture, Sydney, New South Wales. Received October 24, 1957.

243045. 'Fulghum'. **243047.** 'Victorgrain 4'.

243046. 'Fulmark'. **243048.** 'Yates Algerian'.

243049 to 243051. *BRASSICA OLERACEA* var. *GEMMIFERA* DC. Brassicaceae. **Brussel sprouts.**

From Ireland. Seeds presented by the Johnstown Castle, Agricultural College, Wexford. Received October 24, 1957.

243049. 'Glasnevin Supreme'. **243051.** -5/57.

243050. -1/57.

243052. *FICUS PSEUDOPALMA* Blanco Moraceae. **Fig.**

From the United States. Plant growing at the U.S. Plant Introduction Garden, Coconut Grove, Florida. Numbered October 24, 1957.

243053 to 243057. *HEVEA BRASILIENSIS* (A. Juss.) Muell.-Arg. Euphorbiaceae. **Para rubber tree.**

From Liberia. Budwood presented by Firestone Plantations Co., Harbel. Received October 25, 1957.

243053. 'C. 293'. **243056.** 'C. 695'.

243054. 'C. 334'. **243057.** 'Harbel 2'.

243055. 'C. 578'.

243058 to 243062. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received October 25, 1957.

243058 to 243062. From Campinas.

243058. No. 1. **243061.** No. 4. From Ribeirao

243059. No. 2. Preto.

243060. No. 3. **243062.** No. 5. From Guararafe.

243063 to 243069. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Egypt. Seeds presented by the Ministry of Agriculture, Plant Breeding Section, Giza. Received October 25, 1957.

243063. 'Giza 139' × 'Gabo', 1360-3238.
 243064. 'Giza 139' × 'Gabo', 1360-3316.
 243065. 'Giza 139' × 'Hegazy Ahmer', 1362-3491.
 243066. 'Giza 141' × 'Gabo', 1359-3133.
 243067. 'Giza 141' × 'NA 710', 1357-3028.
 243068. 'Line 950' × 'Giza 141', 1361-3361.
 243069. 'Line 950' × 'Giza 141', 1361-3388.

243070 to 243081.

From Jordan. Seeds presented by the Ministry of Agriculture, Agricultural Research Service, Amman. Received October 25, 1957.

243070. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**
 'Local W.Y'.
 243071 to 243080. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**
 243071. Amman I/4. 243076. W.Y. III/1.
 243072. W.Y. I/1. 243077. W.Y. III/2.
 243073. W.Y. I/4. 243078. W.Y. III/3.
 243074. W.Y. I/7. 243079. W.Y. LV/1.
 243075. W.Y. II/4. 243080. W.Y. 117/4.
 243081. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

Local strain.

243082 and 243083. GOSSYPIUM (hybrid). Malvaceae. Cotton.

From Brazil. Seeds presented by the Instituto Agronomico, Sao Paulo. Received October 25, 1957.

From Sete Lagoas Experiment Station, Sete Lagoas, Minas Gerais.

243082. 'N.A. 594 Ganga'. (Kidney type.)
 243083. 'N.A. 599 Ganga'.

243084 to 243109.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 25, 1957.

From Hillier & Sons Nursery, Winchester, Hampshire, England. Received as cuttings unless otherwise noted.

- 243084 to 243091. *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**
 243084. Col. No. 5935. 'Barnes'. Leaves ovate, coarsely spiny-toothed, extremely dark lustrous green. (Pistillate.)
 243085. Col. No. 5936. 'Muricata'. (Staminate.)
 243086. Col. No. 5943. Leaves strongly variegated with whitish margins, spiny-toothed, undulate.
 243087. Col. No. 5923. 'Hastata'. (Staminate.)
 243088. Col. No. 5933. 'Laurifolia Variegata'. (Staminate.)
 243089. Col. No. 5919. 'Ovatifolium'. Leaves oblong, mostly flat, regularly spiny-toothed, lustrous deep green above. (Staminate.)

243084 to 243109—Continued**243084 to 243091—Continued**

- 243090.** Col. No. 5918. 'Aurea-Marginata Ovata'. Leaves regularly short spiny-toothed, mostly bright-yellow margined. (Staminate.)
- 243091.** Col. No. 5930. 'Argentea-Marginata Pendula'. Branches weeping; foliage white variegated; berries red. (Pistillate.)
- 243092.** *ILEX CORALLINA* Franch. **Coral holly.**
Col. No. 5924. Evergreen; branches with a spreading habit.
- 243093.** *ILEX DIPYRENA* Wall. **Holly.**
Col. No. 5942. Typical form.
- 243094 and 243095.** *ILEX FARGESII* Franch. **Holly.**
243094. Col. No. 5941. Evergreen tree or shrub to 15 feet high; leaves mostly oblanceolate, acuminate.
243095. Col. No. 5931. Evergreen; leaves narrowly oblong.
- 243096.** *ILEX FRAGILIS* Hook. f. **Holly.**
Col. No. 5921. Evergreen shrub.
- 243097.** *ILEX HOOKERI* King **Holly.**
Col. No. 5925. Evergreen; leaves mostly oblong, deep green, not lustrous, coarsely undulate spiny-toothed.
- 243098 and 243099.** *ILEX INSIGNIS* Hook. f. **Holly.**
243098. Col. No. 5928. Evergreen.
243099. Col. No. 5938. Evergreen; leaves lanceolate to elliptic, dull green, mostly entire, occasionally finely serrate, acuminate, leathery, petioles reddish.
- 243100.** *ILEX INTRICATA* Hook. f. **Holly.**
Col. No. 5934. Prostrate evergreen shrub; leaves lustrous green; fruits red.
- 243101.** *ILEX FICOIDEA* Hemsl. **Holly.**
Col. No. 5922. Evergreen.
- 243102.** *ILEX CASSINE* Walt. **Dahoon.**
Col. No. 5920. Evergreen; leaves oblong to oblanceolate, light green, finely serrate on the upper half, petioles reddish.
- 243103.** *ILEX YUNNANENSIS* Franch.
Col. No. 5929. Evergreen shrub to 12 feet high; stem single, much-branched.
- 243104.** *ILEX GEORGEI* Comber **Holly.**
Col. No. 5939
- 233105.** *LAURELIA NOVA-ZEALANDIAE* A. Cunn. Monimiaceae.
Co. No. 5932. Evergreen tree.
- 243106.** *OLEA CUNNINGHAMII* Hook. f. Oleaceae.
Col. No. 5926. Evergreen tree.
- 243107.** *PRUNUS LUSITANICA* var. *AZORICA* Nichols Amygdalaceae.
Col. No. 5940. Evergreen; leaves large and thicker than the type.
- 243108.** *SARCOCOCCA CONFUSA* Sealy Buxaceae.
Col. No. 5937.
- 243109.** *SARCOCOCCA HOOKERIANA* var. *HUMILIS* Rehd. & Wils.
Col. No. 5927. Evergreen shrub.

243110. CHRYSANTHEMUM CINERARIAEFOLIUM (Trevir.) Vis. Asteraceae.

From the United States. Seeds held at the U.S. Plant Introduction Garden, Glenn Dale, Md. Numbered October 28, 1957.

Originally from the United States Cotton Field Station, Shafter, Calif.

243111 to 243145.

From the United States. Budwood held at the U.S. Plant Introduction Garden, Coconut Grove, Florida. Numbered October 28, 1957.

243111 to 243124. From Los Diamantes, Costa Rica.

243111. HEVEA sp. Euphorbiaceae.

Colombia—508. Seedling selection.

243112. HEVEA sp.

GA-50. An eastern clone.

243113 to 243123. HEVEA (hybrid).

(*H. benthamiana* × *H. brasiliensis*).

243113. FX-469 (F-4542 × Tj-1).

243114. FX-645 (F-4542 × Tj-1).

243115. FX-3899 (F-4542 × AV-363).

243116. FX-3925 (F-4542 × AV-363).

243117. IAN-2834 (FX-516 × PB-86).

243118. IAN-2890 (FX-2831 × PB-86).

243119. IAN-2926 (FX-2831 × PB-86).

243120. IAN-2953 (FX-4073 × PB-86).

243121. IAN-2973 (FX-4073 × PB-86).

243122. IAN-3534 (FX-623 × PB-186).

243123. IAN-3716 (FX-349 × PB-186).

243124. HEVEA BRASILIENSIS (A. Juss.) Muell.-Arg.

FX-2261. (F-1619 × AV-183).

243125 to 243145. From Belem, Brazil.

243125 to 243136. HEVEA (hybrid).

(*H. benthamiana* × *H. brasiliensis*).

243125. FX-469 (F-4542 × Tj-1).

243126. FX-637 (F-4542 × Tj-1).

243127. FX-645 (F-4542 × Tj-1).

243128. FX-3899 (F-4542 × AV-363).

243129. FX-3910 (F-4542 × AV-363).

243130. FX-3925 (F-4542 × AV-363).

243131. FX-4049 (F-4542 × PB-86).

243132. FX-4071 (F-4542 × PB-86).

243133. FX-4072 (F-4542 × PB-86).

243134. FX-4073 (F-4542 × PB-86).

243135. IAN-2567 (FX-4068 × AV-256).

243136. IAN-2962 (FX-4073 × PB-86)

243180 to 243182.

From the Netherlands. Seeds presented by the Institut voor Veredeling van Landbouwgewassen, Wageningen. Received October 29, 1957.

243180. HORDEUM DISTICHON L. Poaceae. **Barley.**
'Laevigatum'.

243181 and 243182. HORDEUM VULGARE L. **Barley.**

243181. 'Minerva'.

243182. 'Vada'.

243183 to 243189. HORDEUM (hybrid). **Barley.**

From France. Seeds presented by the Station Centrale d'Essais de Semences et d'Amelioration des Plantes. Received October 29, 1957.

243183. P.L. 2862. **243187.** No. 48.

243184. 'Tichedrett 3133'. **243188.** No. 183.

243185. 'Tichedrett 3270'. **243189.** No. 839.

243186. No. 42.

243190. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**

From Kenya. Seeds presented by the Agricultural Experiment Station, Njoro. Received October 29, 1957.

243191. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**

From Great Britain. Seeds presented by Nickersons, Seed Specialists, Grimsby, England. Received October 29, 1957.

'Koga II'.

243192. TRITICUM (hybrid). Poaceae. **Wheat.**

From Great Britain. Seeds presented by C. W. Marsters, Ltd., England. Received October 29, 1957.

No. 46.

243193. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**

From Alaska. Seeds presented by B. M. Bensin, Fairbanks. Received October 29, 1957.

'Alaska #47'.

243194 and 243195.

From Argentina. Seeds presented by J. Vallega, Castelar. Received October 29, 1957.

Originally from Russia.

243194. TRITICUM sp. Poaceae. **Wheat.**
2n-56.

243195. TRITICUM TIMOPHEEVII Zhuk.
2n-28. 'Nigrum'.

243196. ILEX CHINENSIS Sims. Aquifoliaceae. **Holly.**

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 29, 1957.

Col. No. 5838. Hillier & Sons Nursery, Winchester, Hampshire, England. Evergreen shrub; twigs reddish; leaves ovate, finely serrate, light green.

243197. TERNSTROEMIA SYLVATICA Schlecht. & Cham. Theaceae.
From the United States. Plant growing at the U.S. Plant Introduction Garden,
Glenn Dale, Md. Numbered October 29, 1957.

Originally from Eric Walther, Golden Gate Park, San Francisco, Calif.

243198 and 243199. PENNisetum ciliare (L.) Link Poaceae.
Buffelgrass.

From Southern Rhodesia. Seeds presented by the Grasslands Research Station
of the Federal Ministry of Agriculture, Marandellas. Received October 30,
1957.

243198. Chipinga Strain.

243199. Grasslands Strain.

243200 to 243214. Ricinus communis L. Euphorbiaceae.
Castorbean.

From Brazil. Seeds presented by the Instituto Agronomico do Leste, Ministerio
da Agriculture, Salvador Bahia. Received October 30, 1957.

243200. No. 1.

243208. No. 9.

243201. No. 2.

243209. No. 10.

243202. No. 3

243210. No. 11.

243203. No. 4.

243211. No. 12.

243204. No. 5.

243212. No. 13.

243205. No. 6.

243213. No. 14.

243206. No. 7.

243214. No. 15.

243207. No. 8.

243215. Quercus hispanica var. *dentata* (Wats.) Rehd. Fagaceae.
Oak.

From Great Britain. Seeds collected by F. G. Meyer, agricultural explorer,
Plant Introduction Section, Crops Research Division, Beltsville, Md.
Received October 30, 1957.

From the Royal Botanic Gardens, Kew, England.

Col. No. 5828. Deciduous tree to 50 feet high; leaves mostly oblong, regularly
serrate-dentate; cupule bristly; acorns deep brown, oblong.

243216. Poa compressa L. Poaceae. **Canada bluegrass.**

From the United States. Seed collected in West Virginia by B. M. Leese, Alex-
andria, Virginia. Received October 31, 1957.

From Fox Hollow, 6 miles west of Romney, West Virginia.

243217 to 243230.

From Iran. Seeds collected by the Agricultural Advisor, Tabriz. Received
October 31, 1957.

243217. *Agropyron* sp. Poaceae.

243218. *Beta* sp. Chenopodiaceae.

243219. *Deschampsia* sp. Poaceae.

243220. *Elymus* sp. Poaceae.

243221. *Lallemantia* sp. Menthaceae.

243222. *Lotus* sp. Fabaceae.

243217 to 243230—Continued

- 243223 and 243224.** *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
243223. (No data.)
243224. Haytype, dry or irrigated.
243225. *MEDICAGO* sp.
243226 and 243227. *ONOBRYCHIS* sp. Fabaceae.
243226. No. 1.
243227. No. 2.
243228. *TRIFOLIUM RESUPINATUM* L. Fabaceae. Persian clover.
243229. *TRIFOLIUM FRAGIFERUM* L. Strawberry clover.
243230. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.

243231 to 243287.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 31, 1957.

From the garden at Caerhays Castle, Caerhays, Cornwall, England.

Received as cuttings unless otherwise noted.

- 243231.** *ACER FLABELLATUM* Rehd. Aceraceae. Maple.
 Col. No. 6017. Deciduous tree to 20 feet high. (Seed.)
243232. *ACER* sp.
 Col. No. 6015. Deciduous tree to 30 feet high. (Seed.)
243233. *ACER FLABELLATUM* Rehd. Maple.
 Col. No. 5954. Garden of G. H. Johnstone, Cornwall. Deciduous tree to 30 feet high. (Seed.)
243234. *ACER GROSSERI* Pax Maple.
 Col. No. 5946. Garden of G. H. Johnstone, Cornwall. Deciduous tree to 20 feet high.
243235. *ACER GROSSERI* var. *HERSHII* (Rehd.) Rehd. Maple.
 Col. No. 5969. (Seedlings.)
243236. *ACER DAVIDII* Franch. Maple.
 Col. No. 6006. 'Ernest Wilson'. Deciduous tree to 30 feet high; bark smooth. (Seed.)
243237. *CAMELLIA JAPONICA* L. Theaceae. Common camellia.
 Col. No. 5950. 'Albo-Variegata'. Garden of G. H. Johnstone, Cornwall. Evergreen shrub to 6 feet high; leaves white margined.
243238 to 243242. *CAMELLIA RETICULATA* Lindl. Netvein camellia.
 (Wild form)
243238. Col. No. 5958. Garden of G. H. Johnstone, Cornwall. Evergreen shrub to 10 feet high.
243239. Col. No. 5990. (Seedling.)
243240. Col. No. 5996. (Seedling.)
243241. Col. No. 5997.
243242. Col. No. 6012. 'Mary Williams'. Flowers single, pink.

243231 to 243287—Continued

243243 to 243246. *CAMELLIA* × *WILLIAMSII* W. W. Smith (*C. japonica* × *C. saluenensis*)

243243. Col. No. 5995. 'Charles Michael'. Flowers deep pink.

243244. Col. No. 6004. 'St. Ewe'. Flowers single to semi-double.

243245. Col. No. 6973. 'Mary Christian'. Resembles 'J. C. Williams' but the flowers darker pink.

243246. Col. No. 5989. 'November Pink'. Dark pink form, flowering in November.

243247. *CAMELLIA* (hybrid).

Col. No. 5982. (*C. cuspidata* × *C. saluenensis*) 'Cornish Snow'. Flowers single, white.

243248. *TERNSTROEMIA* sp. Theaceae.

Col. No. 5993. Evergreen tree to 20 feet high; flowers not seen.

243249. *DRIMYS LANCEOLATA* (Poir.) Baill. Magnoliaceae.

Col. No. 6005. Large evergreen, shrub, much-branched; new stems reddish.

243250. *EMMENOPTERYS* sp. Rubiaceae.

Col. No. 5953. Garden of G. H. Johnstone, Cornwall. Deciduous tree to 10 feet high; leaves lustrous green above; petioles reddish.

243251. *EUONYMUS PENDULUS* Wall. Celastraceae.

Col. No. 6002. Evergreen tree to 25 feet high.

243252 and 243253. *GAULTHERIA FORRESTII* Diels Ericaceae.

243252. Col. No. 5974. Evergreen shrub to 5 feet high; branches arching; fruits medium blue.

243253. Col. No. 5975. (Seed.)

243254. *ILEX CORALLINA* Franch. Aquifoliaceae.

Coral holly.

Col. No. 5951. Garden of G. H. Johnstone, Cornwall. Evergreen tree to 20 feet high; trunk gray, only slightly roughened; branches green; leaves peachlike in appearance, ovate to oblong, acuminate, slightly serrate.

243255 to 243259. *ILEX DIPYRENA* Wall.

Holly.

243255. Col. No. 5976. Evergreen tree to 25 feet high; branches gently drooping; berries red.

243256. Col. No. 5978. Evergreen tree to 25 feet high; branches gently drooping; berries red.

243257. Col. No. 5979. (Seed.)

243258. Col. No. 5980.

243259. Col. No. 6010. Evergreen tree to 25 feet high; berries red.

243260 and 243261. *ILEX FICOIDEA* Hemsl.

243260. Col. No. 5965. Garden of G. H. Johnstone, Cornwall. Evergreen tree to 30 feet high; trunk to 10 inches in diameter; fruits red, densely clustered near the tips of the branches.

243261. Col. No. 5966. Garden of G. H. Johnstone, Cornwall. Evergreen tree to 30 feet high; trunk to 10 inches in diameter; fruits red, densely clustered near the tips of the branches. (Seed.)

243262 and 243263. *ILEX PEDUNCULOSA* Miquel

Holly.

243262. Col. No. 5987. Evergreen tree to 12 feet high, round-headed; fruit red.

243263. Col. No. 5988. (Seed.)

243231 to 243287—Continued

- 243264.** *ILEX SIKKIMENSIS* Kurz. **Holly.**
Col. No. 5981. Evergreen tree to 25 feet high; branches stiff.
- 243265.** *ILEX GEORGEI* Comber **Holly.**
Col. No. 5977. Evergreen tree to 15 feet high; fruits red.
- 243266.** *ILEX FRANCHETIANA* Loes. **Holly.**
Col. No. 5998. Evergreen tree to 25 feet high; trunk smooth, whitish-gray; branches stout; fruit red.
- 243267.** *ILEX INSIGNIS* Hook. f. **Holly.**
Col. No. 5999.
- 243268.** *ILEX SIKKIMENSIS* Kurz. **Holly.**
Col. No. 6008. Evergreen tree to 15 feet high; branches grayish-white, smooth; leaves elliptic, very finely serrate, furrowed above, dull green, petioles reddish; fruit red.
- 243269.** *LINDERA COMMUNIS* Hemsl. Lauraceae.
Col. No. 6013. Evergreen tree to 20 feet high; branches widely spreading.
- 243270.** *MAGNOLIA NITIDA* W. W. Smith Magnoliaceae.
Col. No. 5971. Evergreen tree to 20 feet high; leaves lustrous green.
- 243271.** *MANGLIETIA INSIGNIS* Blume Magnoliaceae.
Col. No. 5983. Evergreen tree to 50 feet high; trunk smooth, white.
- 243272.** *OSMANTHUS DELAVAYI* Bail. Oleaceae. **Delavay osmanthus.**
Col. No. 6009. Evergreen tree or shrub to 20 feet high.
- 243273.** *LIGUSTRUM SEMPERVIRENS* (Franch.) Lingels. Oleaceae. **Privet.**
Col. No. 6003. Evergreen shrub to 8 feet high, spreading; leaves deep lustrous green.
- 243274.** *PIERIS FORMOSA* (Wall.) D. Don Ericaceae.
Col. No. 6007. Evergreen shrub to 15 feet high.
- 243275.** *PIERIS FORRESTII* Harrow ex W. W. Smith
Col. No. 5949. Garden of G. H. Johnstone, Cornwall. 'Wakehurst'. Evergreen shrub to 15 feet high, much-branched; leaves deep green.
- 243276.** *PITOSPORUM HETEROPHYLLUM* Franch. Pittosporaceae.
Col. No. 5959. Garden of G. H. Johnstone, Cornwall. Evergreen shrub to 10 feet high, much-branched, spreading.
- 243277.** *REEVESIA* sp. Sterculiaceae.
Col. No. 5961. Garden of G. H. Johnstone, Cornwall. Evergreen tree to 30 feet high, much-branched; flowers white.
- 243278.** *RHODODENDRON MACROCARPUM* Van Houtte Ericaceae.
Col. No. 5967. Garden of G. H. Johnstone, Cornwall. Deciduous shrub to 25 feet high.
- 243279.** *RUBUS TRICOLOR* Focke Rosaceae.
Col. No. 5972. Scrambling evergreen; leaves ovate-cordate, semilobed; fruits crimson.
- 243280.** *SYMPLOCOS DRYOPHILA* C. B. Clarke Symplocaceae. **Sweetleaf.**
Col. No. 6001. Evergreen tree to 20 feet high, forming a handsome globose specimen.
- 243281 and 243282.** *VACCINIUM URCEOLATUM* Hemsl. Vacciniaceae. **Blueberry.**
243281. Col. No. 5991. Evergreen shrub to 5 feet high, berries black.
243282. Col. No. 5992. (Seed.)

243231 to 243287—Continued

243283. *VACCINIUM NUMMULARIA* Hook. f. & Thoms. ex Clarke **Blueberry.**
Col. No. 5994. Spreading evergreen shrub to 3 feet high; flowers white; berries black.

243284 and 243285. *VIBURNUM FOETIDUM* Wall.

243284. Col. No. 5985. Evergreen shrub to 6 feet high; fruits red, globose.

243285. Col. No. 5986. (Seed.)

243286. *MACHILUS VIRIDUS* Hand.-Mazz. Lauraceae.

Col. No. 5947. Garden of G. H. Johnstone, Cornwall. Evergreen shrub to 15 feet high; leaves mildly aromatic when crushed.

243287. *EURYA JAPONICA* Thunb. Theaceae.

Col. No. 5970. Evergreen shrub to 10 feet high.

243288. *BROMUS ARVENSIS* L. Poaceae. **Brome.**

From Sweden. Seeds presented by the Director of the Swedish Seed Association, Svalov. Received October 31, 1957.

243289 and 243290. *AVENA SATIVA* L. Poaceae. **Common oats.**

From Argentina. Seeds presented by the Division of Plant Exploration and Introduction, Buenos Aires. Received November 1, 1957.

243289. 'Magnif 28'.

243290. 'Magnif 29'.

243291. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae. **Chiloe strawberry.**

From Alaska. Seeds collected by Arvo Kallio, Gustavus. Received November 6, 1957.

243292 to 243296.

From Great Britain. Plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 4, 1957.

From the Cambridge Botanic Garden, Cambridge, England.

243292. *EPHEDRA AMERICANA* var. *ANDINA* (Poepp.) Stapf Gnetaceae.

Col. No. 6045.

243293. *EPHEDRA MONOSTACHYA* L.

Col. No. 6044.

243294. *EPHEDRA GERARDIANA* Wall. ex Stapf.

Col. No. 6047.

243295. *EPHEDRA MAJOR* Host.

Col. No. 6046.

243296. *EPHEDRA DISTACHYA* L.

Col. No. 6043.

243297 to 243307.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 4, 1957.

From the Royal Horticultural Society Gardens, Kew, England. Received as plants unless otherwise noted.

243297 to 243307—Continued

243297 to 243306. *GAZANIA* (hybrids). Asteraceae.

243297. Col. No. 5854. 'Sunbeam'. Rays yellow; disk flowers green.

243298. Col. No. 5862. 'Snugglebunny'. Rays light orange-yellow.

243299. Col. No. 5865. No. 767. Rays glowing orange.

243300. Col. No. 5873. No. 792. Foliage silvery.

243301. Col. No. 5875. No. 794. 'Bernardette'. Rays pinkish, eye blackish green.

243302. Col. No. 5878. No. 798. Leaves gray; rays light orange.

243303. Col. No. 5888. No. 708. Rays yellow, disk flowers blackish.

243304. Col. No. 5917. No. 537. Rays mauve pink with green eye.

243305. Col. No. 5870. No. 784. Rays yellow, dark eye.

243306. Col. No. 5984. 'Joan'. Very vigorous; rays light orange.

243307. (Undetermined.)

Unnumbered. Flowers clear yellow, vigorous growth.

243308 to 243319.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 4, 1957.

Caerhays Castle Garden, Cornwall, England.

243308. *AGAPETES* sp. Vacciniaceae.

Col. No. 6019. Scrambling evergreen shrub; flowers whitish-pink, translucent; berries deep red to maroon.

243309. *HYPERICUM* (hybrid). Hypericaceae.

Col. No. 6040. (*H. hookerianum rogersii* × *H. leschenaultii*) 'Rowallane'. Evergreen shrub to 4 feet high; flowers cupshaped, deep yellow.

243310. *ILEX* × *ALTAFLARENSIS* Dallim. Aquifoliaceae.

Holly.

Col. No. 6033. Evergreen tree to 40 feet high; leaves mostly oblong, entire, somewhat undulate-margined, dark lustrous green; berries red.

243311. *ILEX CORNUTA* Lindl. & Paxt.

Chinese holly.

Col. No. 6021. Evergreen shrub; leaves essentially square in outline with spines on the angles.

243312. *ILEX FRANCHETIANA* Loes.

Holly.

Col. No. 6026. Evergreen tree to 25 feet high; berries red.

243313. *ILEX DIPYRENA* Wall.

Holly.

Col. No. 6030. Evergreen tree to 20 feet high.

243314. *ILEX GEORGEI* Comber

Holly.

Col. No. 6032.

243315. *LAURELIA SEMPERVIRENS* (Ruiz & Pav.) Tulasne Monimiaceae.

Col. No. 6028. Cold-hardy evergreen tree to 40 feet high, forming a symmetrical, densely branched tree.

243316. *PHOTINIA FLAVIDIFLORA* W. W. Smith Malaceae.

Col. No. 6023. Evergreen shrub; leaves elliptic to obovate.

243317. *PIERIS FORMOSA* (Wall.) D. Don Ericaceae.

Col. No. 6035. Evergreen shrub to 20 feet high.

243308 to 243319—Continued

243318. RHODODENDRON (hybrid). Ericaceae.

Col. No. 6039. *R.* 'Lady Alice Fitzwilliam' × *R. bullatum*. Erect evergreen shrub to 4 feet high; flowers white to pink, fragrant.

243319. RHODODENDRON (hybrid).

Col. No. 6041. 'Lady Alice Fitzwilliam'. (Maddenii hybrid.) Erect evergreen to 5 feet high; flowers fragrant.

243320. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.

From Guatemala. Seeds collected by Christian Brunn, Guatemala City. Received November 4, 1957.

243321 to 243333.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 5, 1957.

From the Caerhays Castle Garden, Cornwall, England. Received as cuttings unless otherwise noted.

243321. AGAPETES sp. Vacciniaceae.

Col. No. 6020. Scrambling evergreen shrub; flowers whitish-pink; berries deep red to maroon.

243322 and 243323. CAMELLIA × WILLIAMSII W. W. Smith Theaceae. (*C. japonica* × *C. saluenensis*)

243322. Col. No. 6034. 'J. C. Williams'. Flowers single, flattish, pale bluish pink with central yellow stamens.

243323. Col. No. 6042. 'Mary Christian'. Flowers dark pink.

243324. EUONYMUS sp. Celastraceae.

Col. No. 6022. Evergreen tree to 20 feet high.

243325. HARTIA SINENSIS Dunn. Theaceae.

Col. No. 6031. Evergreen tree to 50 feet high; flowers white. (Seed.)

243326. ILEX CORALLINA Franch. Aquifoliaceae. **Coral holly.**

Col. No. 6029. Evergreen tree to 20 feet high; twigs purplish; leaves with a peachlike aspect.

243327. ILEX FRANCHETIANA Loes. **Holly.**

Col. No. 6027. Evergreen tree to 25 feet high; fruit red.

243328. ILEX PLATYPHYLLA Webb. & Berth. **Holly.**

Col. No. 6024. Evergreen tree to 20 feet high; bark smooth, gray; leaves dark glossy-green; flowers white, solitary.

243329. PHOTINIA PRIONOPHYLLA (Fr.) Schneid. Malaceae.

Col. No. 6036. Evergreen shrub to 10 feet high, dense habit; berries orange.

243330. PIERIS FORMOSA var. FORRESTII Harrow Ericaceae.

Col. No. 6038. Penjerrick Garden, near Falmouth, Cornwall. Evergreen shrub to 10 feet high; young twigs red; flowers white.

243331. VACCINIUM TRICHOPHYLLA Diels Vacciniaceae.

Col. No. 6037. Spreading evergreen shrub to 24 inches high, much-branched; stems reddish; flowers white; berries black.

243332. (Undetermined.)

Col. No. 6018. Evergreen shrub to 8 feet high; branches ascending.

243333. EURYA JAPONICA Thunb. Theaceae.

Col. No. 6025. (Seed.)

243334. *ARACHIS GLABRATA* var. *HAGENBECKII* (Harms.) F. J. Herm. Fabaceae.

From Brazil. Plant growing at the Regional Plant Introduction Station, Experiment, Ga. Numbered November 7, 1957.

A colchicine-induced mutant from P.I. 163452, originally collected at the Botanical Garden, Rio de Janeiro, April 1, 1948. This mutant has no noticeable dormancy.

243335 to 243339.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Pretoria. Received November 6, 1957.

243335. *LUPINUS ALBUS* L. Fabaceae. White lupine.

'Phluges Gala'.

243336 to 243338. *LUPINUS ANGUSTIFOLIUS* L. Blue lupine.

243336. 'Jakkalsfontein'.

243337. 'S. E. Blue No. 1'.

243338. 'Svalofs Borre'.

243339. *LUPINUS LUTEUS* L. European yellow lupine.

243340 to 243513.

From the United States. Plant material at the Potato Introduction Station, Sturgeon Bay, Wisconsin. Numbered November 6, 1957.

Localities given are the original sources of seeds.

243340 and 243341. *SOLANUM CHOMATOPHILUM* Bitter Solanaceae. Presented by the Direccion de Agricultura, Lima, Peru.

243340. Ochoa 1512.

243341. Ochoa 1664.

243342. *SOLANUM* sp.

Presented by the Inter-American Institute of Agricultural Sciences, San Jose Costa Rica.

243343 to 243359. Presented by the Department of Agriculture Science Service, Botany and Plant Pathology Laboratory, Ontario, Canada.

243343 to 243347. Received from Mexico.

243343. *SOLANUM TUBEROSUM* L. Potato.

CSC 97-2. 'Criolla'. Cruz Colorada.

243344. *SOLANUM BRACHYCARPUM* (Correll) Correll

CSC 93. San Mateo.

243345. *SOLANUM BULBOCASTANUM* Dun.

CSC 26 × 27. Pedregal de San Angel, D. F.

243346. *SOLANUM MORELLIFORME* Bitter & Muench.

CSC 93. San Mateo.

243347. *SOLANUM STOLONIFERUM* Schlecht.

CSC 82. Cerro San Felipe, Oaxaca.

243348 to 243359. Received from Guatemala.

243348 to 243352. *SOLANUM AGRIMONIFOLIUM* Rydb.

243348. CSC 116. Above Totonicapan, Route 1, Kilometer 159, elevation 9,000 feet.

243340 to 243513—Continued**243343 to 243359—Continued****243348 to 243359—Continued****243348 to 243352—Continued**

243349. CSC 136. Mujulia, elevation 5,700 feet.

243350. CSC 145. Chemal, elevation 8,700 feet.

243351. CSC 145A. Chemal, elevation 8,700 feet.

243352. CSC 145B. Chemal, elevation 8,700 feet.

243353 and 2433354. SOLANUM BULBOCASTANUM Dun.

243353. CSC 152. Zacapulas, elevation 4,950 feet.

243354. CSC 161. Santiago de Atitilan, elevation 4,200 feet.

243355. SOLANUM CLARUM Correll

CSC 138. Between Tonicapán and Los Encuentros, elevation 9,000 feet.

243356 to 243359. SOLANUM MORELLIFORME Bitter & Muench.

243356. CSC 111. Quezaltenango, elevation 7,650 feet.

243357. CSC 120. Tecpan, elevation 6,750 feet.

243358. CSC 122. Above Tecpan, elevation 7,200 feet.

243359. CSC 159. Los Encuentros, elevation 7,500 feet.

243360 to 243500. Presented by the Rockefeller Foundation Agricultural Program in Colombia, Bogota.**243360 to 243457. SOLANUM TUBEROSUM L.****Potato.**

243360. CCC 2. 'Yema'.

243361. CCC 4. 'Lizaraza Blanca'.

243362. CCC 8. 'Tocana'.

243363. CCC 21. 'Chava Negra'.

243364. CCC 22. 'Chava'.

243365. CCC 23. 'Pana Colorada'.

243366. CCC 27. 'Arbolona Negra'.

243367. CCC 28. 'Anamaria'.

243368. CCC 32. 'Pana Negra'.

243369. CCC 37. 'Anamaria'.

243370. CCC 39. 'Italiana'.

243371. CCC 43. 'Pana Blanca'.

243372. CCC 44. 'Bijagua o Morada'.

243373. CCC 49. 'Argentina'.

243374. CCC 51. 'Caiceda Careta'.

243375. CCC 52. 'Arracachuela Blanca'.

243376. CCC 54. 'Arracachuela Careta'.

243377. CCC 58. 'Pajarita Morada'.

243378. CCC 59. 'Pajarita Careta'.

243379. CCC 60. 'Tocana Blanca'.

243380. CCC 105. 'Curipamba'.

243340 to 243513—Continued

243360 to 243500—Continued

243360 to 243457—Continued

243381. CCC 107. 'Leona'.
243382. CCC 109. 'Jabonilla'.
243383. CCC 112. 'Pamba Rosada'.
243384. CCC 114. 'Ojo de Buey o Ojona'.
243385. CCC 128. 'Tocanguilla'.
243386. CCC 132. 'Chaucha Negra'.
243387. CCC 137. 'Negra'.
243388. CCC 138. 'Brasila'.
243389. CCC 139. 'Jabona'.
243390. CCC 141. 'Pamba Blanca'.
243391. CCC 142. 'Pamba Morada'.
243392. CCC 156. 'Caricina'.
243393. CCC 158. 'Negra Africana'.
243394. CCC 160. 'Caricina'.
243395. CCC 161. 'Huevo de Indio'.
243396. CCC 162. 'Ecuatoriana'.
243397. CCC 165. 'Pamba Colorada'.
243398. CCC 170. 'Plancha Blanca'.
243399. CCC 194. 'Caspa'.
243400. CCC 196. 'Curipamba'.
243401. CCC 198. 'Aglodona'.
243402. CCC 199. 'Flora'.
243403. CCC 201. 'Pamba Blanca'.
243404. CCC 203. 'Pintada'.
243405. CCC 205. 'Rosada'.
243406. CCC 207. 'Tableada Blanca'.
243407. CCC 208. 'Tableada Morada'.
243408. CCC 209. 'Negra o Mala Noche'.
243409. CCC 210. 'Yungara'.
243410. CCC 214. 'Blanca Leche'.
243411. CCC 216. 'Rosa'.
243412. CCC 221. 'Pijagua'.
243413. CCC 223. 'Papas Londres'.
243414. CCC 243. 'Guata'.
243415. CCC 249. 'Guata Almidona'.
243416. CCC 250. 'Sabanera'.
243417. CCC 254. 'Guata Colorada'.
243418. CCC 255. 'Careta'.
243419. CCC 263. 'Guata Blanca'.

243340 to 243513—Continued

243360 to 243500—Continued

243360 to 243457—Continued

243420. CCC 268. 'Guata Blanca'.
 243421. CCC 269. 'Careta'.
 243422. CCC 282. 'Pamba Guata'.
 243423. CCC 283. 'Guata Blanca'.
 243424. CCC 300. 'Palinegra'.
 243425. CCC 306. 'Argentina'.
 243426. CCC 308. 'Argentina'.
 243427. CCC 309. 'Salentina'.
 243428. CCC 310. 'Careta Blanca'.
 243429. CCC 320. 'Argentina'.
 243430. CCC 330. 'Tocana Blanca'.
 243431. CCC 386. 'Pajara Punte-lanza'.
 243432. CCC 388. 'Congola'.
 243433. CCC 398. 'Pana'.
 243434. CCC 403. 'Argentina'.
 243435. CCC 404. 'Pana Azul'.
 243436. CCC 409. 'Mortina'.
 243437. CCC 410. 'Manzana'.
 243438. CCC 425.
 243439. CCC 549.
 243440. CCC 552.
 243441. CCC 563. 'Guata Negra'.
 243442. CCC 614. 'Blanca'.
 243443. CCC 815. 'Leona'.
 243444. CCC 821. 'Negra Ceji-Blanca'.
 243445. CCC 830. 'Argentina'.
 243446. CCC 833. 'Extranjera Parda'.
 243447. CCC 835.
 243448. CCC 925. 'Brasila-B'.
 243449. CCC 926. 'Tocana Rosada'.
 243450. CCC 934.
 243451. CCC 936.
 243452. CCC 938.
 243453. CCC 939.
 243454. CCC 941.
 243455. CCC 948. 'Negra o Extranjera'.
 243456. CCC 950. 'Azucena Legitima'.
 243457. CCC 952. 'Tuquerrena'.

243340 to 243513—Continued

243360 to 243500—Continued

243458 and 243459. *SOLANUM MALINCHENSE* Hawkes

243458. CCC 72.

243459. CCC 605.

243460 to 243468. *SOLANUM RYBINII* Juz. & Buk.

243460. CCC 80. 'Criolla Colorada'.

243461. CCC 88. 'Criolla Colorada'.

243462. CCC 117. 'Chaucha'.

243463. CCC 152. 'Tabaca Negra'.

243464. CCC 154. 'Enfamiada'.

243465. CCC 177. 'Chaucha Blanca Redonda'.

243466. CCC 182. 'Chaucha Amarilla Redonda'.

243467. CCC 227. 'Colorada'.

243468. CCC 299. 'Chaucha Manzana'.

243469. *SOLANUM STENOTOMUM* Juz. & Buk.

CCC 698. 'Quello Luntuesa'. Peru.

243470 and 243471. *SOLANUM TUBEROSUM* L.

243470. CCC 32 × 198. 'Pana Negra' × 'Algodona'.

243471. CCC 60 × 140. 'Tocana Blanca' × 'Ojo de Buey'.

243472 to 243500. *SOLANUM* (hybrid).243472. CCC 97 × 814. 'Empire' × *S. tuberosum* 'Ojona'.243473. CCC 453 × 198. 'Golden' × *S. tuberosum* 'Algodona'.243474. CCC 530 × 814. 'Redskin' × *S. tuberosum* 'Ojona'.243475. CCC 740 × 198. 'Harford' × *S. tuberosum* 'Algodona'.243476. CCC 754 × 330. 'Calrose' × *S. tuberosum* 'Tocana Blanca'.243477. CCC 804 × 60. 'Ackersegen' × *S. tuberosum* 'Tocana Blanca'.243478. CCC 853 × 60. 'Vertifolia' × *S. tuberosum* 'Tocana Blanca'.243479. CCC 853 × 198. 'Vertifolia' × *S. tuberosum* 'Algodona'.243480. CCC 853 × 405. 'Vertifolia' × *S. tuberosum* 'Pana Blanca'.243481. CCC 52-8-34 × 112. ('Madison' × *S. tuberosum* 'Argentina') × *S. tuberosum* 'Pamba Rosada'.243482. CCC 52-8-34 × 140. ('Madison' × *S. tuberosum* 'Argentina') × *S. tuberosum* 'Ojo de Buey'.243483. CCC 334 × 112. *S. tuberosum* 'Branca Cascuda' × *S. tuberosum* 'Pamba Rosada'.243484. CCC 334 × 198. *S. tuberosum* 'Branca Cascuda' × *S. tuberosum* 'Algodona'.243485. CCC 50-57-67 × 44-14. (*S. tuberosum* 'Branca Cascuda' × *S. tuberosum* 'Pana Blanca') × (*S. tuberosum* 'Quincha' × *S. tuberosum* 'Tocana Colorada')243486. CCC 671 × 140. SSRPB 1591a(25) × *S. tuberosum* 'Ojo de Buey'.

243340 to 243513—Continued**243360 to 243500—Continued****243472 to 243500—Continued**

- 243487.** CCC 748 × 39-25. SSRPB 1611a(13) × (*S. tuberosum* 'Jabonilla' × *S. tuberosum* 'Curipamba')
- 243488.** CCC 868 × 50-57-67. USDA B3515 × (*S. tuberosum* 'Branca Cascuda' × *S. tuberosum* 'Pana Blanca')
- 243489.** CCC 870 × 105. USDA B3519 × *S. tuberosum* 'Curipamba'.
- 243490.** CCC 870 × 198. USDA B3519 × *S. tuberosum* 'Algodona'.
- 243491.** CCC 870 × 948. USDA B3519 × *S. tuberosum* 'Negra o Extranjera'.
- 243492.** CCC 870 × 949. USDA B3519 × *S. tuberosum* 'Tocana Blanca'.
- 243493.** CCC 870 × 39-25. USDA B3519 × (*S. tuberosum* 'Jabonilla' × *S. tuberosum* 'Curipamba')
- 243494.** CCC 881 × 50-57-96. USDA B3548 × (*S. tuberosum* 'Branca Cascuda' × *S. tuberosum* 'Pana Blanca')
- 243495.** CCC 888 × 60. USDA B1416 × *S. tuberosum* 'Tocana Blanca'.
- 243496.** CCC 888 × 112. USDA B1416 × *S. tuberosum* 'Pamba Rosada'.
- 243497.** CCC 888 × 39-25. USDA B1416 × (*S. tuberosum* 'Jabonilla' × *S. tuberosum* 'Curipamba').
- 243498.** CCC 50-23-2 × 307. ((*S. demissum* × *S. tuberosum* 'Tuquerrena') × *S. tuberosum* 'Tocana') × *S. tuberosum* 'Argentina'.
- 243499.** CCC 53-5-2. *S. malinchense* × *S. tuberosum* 'Tocana Blanca'.
- 243500.** CCC 53-12-25. *S. malinchense* × *S. rybinii* 'Colorada Blanca' × *S. rybinii* 'Colorada'.

243501 and 243502. Presented by the Ministerio de Agricultura, Servicio Agrícola Interamericano, "La Tamborada" Experiment Station, Cochabamba, Bolivia. Received June 1, 1957.

243501. SOLANUM ALANDIAE Card.

Collected at Kilometer 144, Carrasco, Cochabamba, Bolivia. Elevation 9,000 feet.

243502. SOLANUM CANDOLLEANUM P. Berth.

Kotanani near Tacacoma, Larecaja, La Paz, Bolivia. Elevation 8,100 feet. April 1957.

243503. SOLANUM COMMERSONII Dunal ex Poir.

Presented by the Ministerio de Agricultura y Ganderia, Laboratorio de Fitopatología del Delta del Parana, Campana, Buenos Aires, Argentina. Received July 10, 1957. Growing spontaneously in the Delta of the Parana River, near Buenos Aires, Argentina.

243504 to 243513. SOLANUM BULBOCASTANUM Dun.

Presented by the Natural Sciences Division, Rockefeller Foundation, Mexico D. F., Mexico. Received July 11, 1957.

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|-------------------------------|------------------------------|
| 243504. S-360 × S-395. | 243509. S-395 × S-398 |
| 243505. S-361 × S-359. | 243510. S-397 × S-359 |
| 243506. S-362 × S-361. | 243511. S-397 × S-360 |
| 243507. S-386 × S-362. | 243512. S-398 × S-359 |
| 243508. S-395 × S-359. | 243513. S-398 × S-379 |

243514 to 243551. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Japan. Seeds presented by the Regional Soybean Breeding Laboratory, Tokati Branch of Hokkaido Agricultural Experiment Station, Obihiro, Hokkaido.

Originally from the Experimental Farm, Omagari.

243514. 'Abura-mame'.	243533. 'Karimame'.
243515. 'Achumuri'.	243534. 'Kimusume'.
243516. 'Akanedzumime'.	243535. 'Kura-kake'.
243517. 'Akazuka'.	243536. 'Madara'.
243518. 'Ao'.	243537. 'Miyako'.
243519. 'Aobishi'.	243538. 'Nedzumi-meta'.
243520. 'Aomame'.	243539. 'Omejiro'.
243521. 'Aoturunoko'.	243540. 'Sennari'.
243522. 'Beni-iro-daizu'.	243541. 'Shakujo'.
243523. 'Cha'.	243542. 'Shiro-hackikoku'.
243524. 'Dateao'.	243543. 'Shonai-wase'.
243525. 'Fukui-shiro'.	243544. 'Takiya'.
243526. 'Ginpaku'.	243545. 'Tanishi'.
243527. 'Goishi'.	243546. 'Tora-mame'.
243528. 'Goku-ao'.	243547. 'Toyo-naga'.
243529. 'Goyo'.	243548. 'Uma-daidzu'.
243530. 'Haiiro'.	243549. 'Wearucong'.
243531. 'Juseita'.	243550. 'Yoshioka'.
243532. 'Kariha-takiya'.	243551. 'Yukino-shita'.

243552. STENOTAPHRUM SECUNDATUM (Walt.) Kuntze Poaceae. St. Augustinegrass.

From the Union of South Africa. Plants presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria.

B-53246.

243553 to 243555.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md.

243553. AGAVE POLYACANTHA Haw. Amaryllidaceae.

Col. No. 12269. 15 miles east of Jacala, Hidalgo.

243554. AGAVE sp.

Col. No. 8013. Sierra Charuco, Sonora.

243555. AGAVE sp.

Col. No. 10304. Arroyo Purissima, Baja California.

243556 to 243558.

From the United States. Seeds collected by O. F. Reed, Texas.

243556. MANFREDA MACULOSA (Hook.) Rose Amaryllidaceae.

Col. No. 1211. College Station.

243556 to 243558—Continued

243557 and 243558. *MANFREDA VARIEGATA* (Jacobi) Rose.

243557. Col. No. 1213.

243558. Col. No. 1214.

243559. *STIFFTIA CHRYSANTHA* Miks. Asteraceae.

From Ceylon. Seeds presented by the Royal Botanic Gardens, Peradeniya.

243560. *SORGHUM VERTICILLIFLORUM* (Steud.) Stapf Poaceae.

Tabucki grass.

From Nyasaland Protectorate. Seeds held at the United States Sugar Crop Field Station, Meridian, Mississippi.

Originally from 12 miles north of Blantyre.

N. N. 1977. Caryopsis small, oval, dark brown, awned; glumes black, very hairy.

243561 and 243562. *NICOTIANA RUSTICA* L. Solanaceae.

Aztec tobacco.

From Peru. Seeds presented by the Extension Advisor, American Embassy, Lima.

243561. Cajamarca highlands.

243562. From plants collected over 3,000 meters elevation.

243563. *CHRYSANTHEMUM* sp. Asteraceae.

From China. Cuttings presented by the International Cooperation Administration, University of California Advisory Team, National Taiwan University, Taipei.

Taiwan No. 9. 'The Happy God'. A deep red standard.

243564. *CHRYSANTHEMUM* sp.

From Japan. Cuttings presented by N. Takahashi, Mishima, Shizuoka. Takahashi No. A6. Flowers purple, tubular.

243565 to 243569. *GOSSYPIUM* (hybrid). Malvaceae. **Cotton.**

From France. Seeds presented by the Institut de Recherches du Cotton et des Textiles Exotiques, Paris.

Originated at the Agricultural Experiment Station, Bouake, Ivory Coast, West Africa.

243565. No. 1.

243568. No. 15.

243566. No. 5. Selfed.

243569. No. 30.

243567. No. 5. Open.

243570 and 243571.

From Iran. Seeds collected by H. S. Gentry and E. E. Smith, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md.

243570. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

A selection from P.I. 222526. Plant erect, not leafy, medium vigor, medium crown width, relatively late, good fall recovery; leaf spot infection moderate.

243571. *TRIFOLIUM REPENS* L. Fabaceae.

White clover.

A selection from P.I. 230274. Plant prostrate, spreading, vigor good, mid-season, medium hardy, good spring recovery, poor fall recovery; leaves small.

243572 to 243794.

From Iran. Seeds presented by [redacted] Food and Agricultural Operations, Tehran.
Received November 6, 1957.

243572 to 243629. HORDEUM s. [redacted] Poaceae.

Barley.

243572. No. 5345. Tabriz.

243573. No. 5347. Khoy.

243574. No. 5450. Miandoab.

243575. No. 5352. Moghan.

243576. No. 5358. Brujerd.

243577 to 243580. Miandoab.

243577. No. 5366.

243578. No. 5378.

243579. No. 5379.

243580. No. 5380.

243581. No. 5381. Ardabil.

243582. No. 5382. Torbat-Jam.

243583. No. 5383. Kerend.

243584 and 243585. Torbat-Haydarieh.

243584. No. 5384.

243585. No. 5385.

243586. No. 5386. Zabol.

243587. No. 5387. Exttehard.

243588. No. 5418. Kerman.

243589. No. 5434. Behshar.

243590. No. 5435. Exttehard.

243591 and 243592. Erbalieh.

243591. No. 5436.

243592. No. 5437.

243593. No. 5438. Meymunabad.

243594. No. 5439. Chimban.

243595. No. 5440. Zakhieabad.

243596. No. 5441. Yazd.

243597. No. 5442. Isfahan.

243598 to 243600. Ghazvin.

243598. No. 5443.

243600. No. 5445.

243599. No. 5444.

243601. No. 5525. Marand.

243602 and 243603. Maragen.

243602. No. 5526.

243603. No. 5527.

243604. No. 5528. Tabriz.

243605. No. 5529. Ghazvin.

243572 to 243794—Continued**243572 to 243629—Continued****243606 and 243607.** Sabzevar.**243606.** No. 5530.**243607.** No. 5531.**243608 to 243616.** Bojnourd.**243608.** No. 5532.**243613.** No. 5537.**243609.** No. 5533.**243614.** No. 5538.**243610.** No. 5534.**243615.** No. 5539.**243611.** No. 5535.**243616.** No. 5540.**243612.** No. 5536.**243617 to 243622.** Meshed.**243617.** No. 5541.**243620.** No. 5544.**243618.** No. 5542.**243621.** No. 5545.**243619.** No. 5543.**243622.** No. 5546.**243623.** No. 5547. Share-Kord.**243624.** No. 5548. Golpayegan.**243625.** No. 5557. U.S.A.**243626 to 243629.** Azerbaijan.**243626.** No. 5558.**243628.** No. 5560.**243627.** No. 5559.**243629.** No. 5561.**243630 and 243631.** SECALE CEREALE L.

-Poaceae.

Rye.

243630. No. 5480. Khoy.**243631.** No. 5503. Semnan.**243632 to 243789.** TRITICUM AESTIVUM L.

Poaceae.

Common wheat.

243632. No. 5335.**243633.** No. 5336.**243634.** No. 5337.**243635.** No. 5338.**243636.** No. 5339.**243637.** No. 5340.**243638.** No. 5341.**243639.** No. 5342.**243640.** No. 5343.**243641.** No. 5344. Tabriz.**243642.** No. 5346. Khoy.**243643 and 243644.** Rezayeh.**243643.** No. 5348.**243644.** No. 5349.**243645.** No. 5351. Astara.**243646 and 243647.** Brujerd.**243646.** No. 5353.**243647.** No. 5354.

243572 to 243794—Continued**243632 to 243789—Continued****243648 and 243649.** Sahneh.**243648.** No. 5355.**243649.** No. 5356.**243650.** No. 5357. Harsin.**243651.** No. 5359. Khoramabad.**243652.** No. 5360. Golpayegan.**243653.** No. 5361.**243654.** No. 5362. Khoramabad.**243655.** No. 5363. Dashte-Mishan.**243656.** No. 5364. Cheyeni.**243657.** No. 5365. Tarhan.**243658.** No. 5367. Sahneh.**243659.** No. 5368. Hamadan.**243660.** No. 5369. Saveh.**243661.** No. 5371. Hyadarieh.**243662.** No. 5372. Torbat-Jam.**243663 and 243664.** Ghasre-Shirin.**243663.** No. 5373.**243664.** No. 5374.**243665.** No. 5375. Hamadan.**243666.** No. 5376. Esfarayen.**243667.** No. 5377. Siahdohon.**243668.** No. 5388. Sabzevar.**243669.** No. 5389. Behbahan.**243670.** No. 5390. Kerman.**243671.** No. 5391. Khoy.**243672 and 243673.** Shahbatar.**243672.** No. 5392.**243673.** No. 5394.**243674 and 243675.** Dezaj.**243674.** No. 5396.**243675.** No. 5397.**243676.** No. 5398. Shahbatar.**243677 to 243679.** Saveh.**243677.** No. 5399.**243678.** No. 5400.**243679.** No. 5401.**243680.** No. 5402. Behbahan.**243681.** No. 5404. Dezful.**243682.** No. 5405.**243683.** No. 5406.

243572 to 243794—Continued**243632 to 243789—Continued**

- 243684.** No. 5407. Birjand.
243685. No. 5408. Torbat-Jam.
243686. No. 5409. Kashvar.
243687. No. 5411. Hamadan.
243688. No. 5412. Kan.
243689. No. 5413. Hamadan.
243690. No. 5414. Ghasre-Shirin.
243691. No. 5415. Kermanshah.
243692. No. 5416. Ghasre-Shirin.
243693. No. 5417. Kermanshah.
243694 and 243695. Azerbaijan.
243694. No. 5419.
243695. No. 5420.
243696. No. 5421. Shahi.
243697. No. 5422. Sari.
243698. No. 5423. Chubak.
243699. No. 5424. Khalkhal.
243700. No. 5425. Hamadan.
243701. No. 5426. Isfahan.
243702 to 243704. Shiraz.
243702. No. 5427.
243703. No. 5428.
243704. No. 5429.
243705 to 243707. Bakhtiari.
243705. No. 5430.
243706. No. 5431.
243707. No. 5432.
243708. No. 5433. Songhorabad.
243709. No. 5446. Iraq.
243710. No. 5447. Aedestan.
243711. No. 5448. Hamadan.
243712. No. 5449. Bahbahan.
243713. No. 5450. Isfajam.
243714. No. 5451. Shahre-Kord.
243715 and 243716. Natanz.
243715. No. 5452.
243716. No. 5453.
243717 and 243718. Isfahan.
243717. No. 5454.
243718. No. 5455.

243572 to 243794—Continued**243632 to 243789—Continued****243719 to 243721.** Kermanshah.**243719.** No. 5456.**243720.** No. 5457.**243721.** No. 5458.**243722.** No. 5459. Tabriz.**243723.** No. 5461. Khoy.**243724 to 243726.** Marageh.**243724.** No. 5462.**243725.** No. 5463.**243726.** No. 5464.**243727 and 243728.** Ahar.**243727.** No. 5466.**243728.** No. 5467.**243729 and 243730.** Ghazvin.**243729.** No. 5468.**243730.** No. 5469.**243731 to 243733.** Mianeh.**243731.** No. 5470.**243732.** No. 5471.**243733.** No. 5472.**243734 and 243735.** Tabriz.**243734.** No. 5473.**243735.** No. 5474.**243736 to 243739.** Marand.**243736.** No. 5475.**243737.** No. 5476.**243738.** No. 5477.**243739.** No. 5478.**243740.** No. 5479. Meshed.**243741 to 243747.** Maku.**243741.** No. 5481.**243742.** No. 5482.**243743.** No. 5483.**243744.** No. 5484.**243745.** No. 5485.**243746.** No. 5486.**243747.** No. 5487.**243748.** No. 5488. Khoy.**243749.** No. 5489. Marageh.**243750.** No. 5490. Ghazvin.**243751.** No. 5491. Sari.

243572 to 243794—Continued**243632 to 243789—Continued****243752 and 243753.** Gorgan.**243752.** No. 5492.**243753.** No. 5493.**243754 to 243758.** Meshed.**243754.** No. 5494.**243755.** No. 5495.**243756.** No. 5496.**243757.** No. 5497.**243758.** No. 5498.**243759.** No. 5499. Sabzevar.**243760 and 243761.** Shahrud.**243760.** No. 5500.**243761.** No. 5501.**243762.** No. 5502. Semnan.**243763 to 243765.** Alborz.**243763.** No. 5504.**243764.** No. 5505.**243765.** No. 5506.**243766 and 243767.** Shahre-Kord.**243766.** No. 5507.**243767.** No. 5508.**243768.** No. 5509. Azerbaijan.**243769 and 243770.** Golpayegan.**243769.** No. 5510.**243770.** No. 5511.**243771 and 243772.** Khotamabad.**243771.** No. 5512.**243772.** No. 5513.**243773 and 243774.** Meshed.**243773.** No. 5514.**243774.** No. 5515.**243775.** No. 5518. Shahre-Kord.**243776 to 243778.** Golpayegan.**243776.** No. 5519.**243777.** No. 5520.**243778.** No. 5521.**243779 and 243780.** Mianeh.**243779.** No. 5522.**243780.** No. 5523.**243781.** No. 5524. Marageh.

243572 to 243794—Continued**243632 to 243789—Continued**

243782 to 243789. Azerbaijan.

243782. No. 5549.

243783. No. 5550.

243784. No. 5551.

243785. No. 5552.

243786. No. 5553.

243787. No. 5554.

243788. No. 5555.

243789. No. 5556.

243790 to 243794. TRITICUM DURUM Desf.**Durum wheat.**

243790. No. 5370. Songhor.

243791 and 243792. Bojnourd.

243791. No. 5403.

243792. No. 5410.

243793. No. 5460. Khoy.

243794. No. 5465. Ahar.

243795 to 243801.

From France. Seed presented by the Institut be Botanique, Strasbourg.

Received November 7, 1957.

243795. MERCURIALIS ANNUA L. Euphorbiaceae.

243796. ONOBRYCHIS ARENARIA DC. Fabaceae.

243797. PENSTEMON BARBATUS (Cav.) Roth Scrophulariaceae.

243798. PENSTEMON HIRSUTUS Willd.

243799. STIPA CAPILLATA L. Poaceae.

Needlegrass.

243800. VERBASCUM PHLOMOIDES L. Scrophulariaceae.

243801. VERNONIA FASCICULATA Michx. Asteraceae.

243802 to 243805.

From the British West Indies. Seeds presented by the Imperial College of Tropical Agriculture, Trinidad. Received November 7, 1957.

243802. PANICUM MAXIMUM Jacq. Poaceae.

Guineagrass.

243803. PASPALUM PLICATULUM Michx. Poaceae.

Black grass.

243804 and 243805. PASSIFLORA EDULIS Sims Passifloraceae.

Purple granadilla.

243804. No. 1.

243805. No. 2.

243806 to 243840.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 8, 1957.

From the Royal Botanical Garden, Kew, England, unless otherwise noted. Received as cuttings unless otherwise noted.

243806. BERBERIS LEPIDIFOLIA Ahrendt Berberidaceae.

Barberry.

Col. No. 6081. Evergreen shrub to 8 feet high; branches arching; leaves linear.

243806 to 243840—Continued

243807 to 243810. Myddleton House Gardens near Enfield, Herts, England.

243807. *CHLOROPHYTUM BOWKERI* Baker Liliaceae.

Col. No. 6090. Rhizomatous perennial to 4 feet high; leaves to 3 inches wide; flowers greenish.

243808. *COLCHICUM CILICICUM* U. Dammer Melanthiaceae.

Col. No. 6091. Flowers white.

243809. *COLCHICUM SPECIOSUM* Stev.

Col. No. 6086. 'Rubrum'. Deep purplish form; excellent.

243810. *CYCLAMEN GRAECUM* Link Primulaceae.

Col. No. 6087.

243811. *CYCLAMEN ROHLFSIANUM* Aschers.

Col. No. 6089. Chelsea Physic Garden, London, England. Leaves dark green, orbicular-mottled.

243812. *DISTYLIUM RACEMOSUM* Sieb. & Zucc. Hamamelidaceae.

Col. No. 6079. Evergreen shrub to 15 feet high.

243813. \times *GAULTHETTYA WISLEYENUS* (Marchant) Rehd. Ericaceae.

Col. No. 6078. *Gualtheria shallon* \times *Pernettya mucronata*. Spreading evergreen shrub to two feet high.

243814. *GUNNERA CHILENSIS* Lam. Haloragidaceae. **Chilean gunnera.**

Col. No. 6059. Caerhays Castle Garden, near St. Austell, Cornwall. Coarse rhizomatous perennial; leaves to ten feet long, blades three feet wide.

243815. *ILEX* \times *ALTACLARENSIS* Dallim. Aquifoliaceae. **Holly.**

Col. No. 6069. 'Camelliaefolia'. Tree to 30 feet high; leaves entire lustrous green, flat; berries bright red. (Pistillate.)

243816 to 243824. *ILEX AQUIFOLIUM* L. **English holly.**

243816. Col. No. 6067. 'Angustifolium'. Leaves mostly flat, uniformly spiny toothed, dark lustrous green; fruit small. (Pistillate.)

243817. Col. No. 6074. 'Aurea Marginata'. Leaves yellow margined coarsely spiny-undulate. (Pistillate.)

243818. Col. No. 6073. 'Ferox'. (Staminate.)

243819. Col. No. 6072. 'Ferox Argentea'. Leaves silvery margined. (Staminate.)

243820. Col. No. 6080. 'Ferox Aurea'. Leaves yellowish-green margined. (Staminate.)

243821. Col. No. 6076. 'Latispina Major'. (Staminate.)

243822. Col. No. 6066. 'Maderensis Variegata'. Leaves mostly ovate, coarsely spiny-toothed, variously yellowish-green mottled; berries red. (Pistillate.)

243823. Col. No. 6065. 'Pyramidalis'. Evergreen bush to 10 feet high, forming a narrow pyramid; branches mostly ascending; berries turn red early October. (Pistillate.)

243824. Col. No. 6075. 'Pyramidalis Fructo-Luteo'. Plant with a pyramidal habit; fruit yellow. (Pistillate.)

243825. *ILEX* \times *ALTACLARENSIS* Dallim. **Holly.**

Col. No. 6062. Leaves larger than normal.

243826. *ILEX CILIOSPINOSA* Loes.

Col. No. 6063. Evergreen tree to 15 feet high.

243806 to 243840—Continued

243827. *ILEX CRENATA* var. *NUMMULARIA* (Fr. & Sav.) Yatabe **Holly.**
Col. No. 6085. Evergreen shrub; twigs reddish.

243828. *ILEX INTEGRATA* Thunb.
Col. No. 6068. Small tree; leaves all entire, ovate.

243829. *ILEX* × *ALTAACLARENSIS* Dallim. **Holly.**
Col. No. 6064. 'Nobilis Variegata'. Evergreen shrub to 20 feet high; leaves mottled yellow, sparsely spiny near the top; berries red.

243830 to 243832. *ILEX PERNYI* Franch. **Holly.**
243830. Col. No. 6060. Small evergreen tree; leaves nearly flat.

243831. Col. No. 6061. Leaves small.

243832. Col. No. 6071. Leaves mostly recurved.

243833 and 243834. *ILEX* × *ALTAACLARENSIS* Dallim. **Holly.**
243833. Col. No. 6058. 'Nigrescens'. Evergreen tree to 30 feet high; leaves variously spiny-toothed, sometimes entire.

243834. Col. No. 6070. Leaves thick, leathery, dark green above, sparingly toothed.

243835. *ILEX PURPUREA* Hassk. **Holly**
Col. No. 6084.

243836. *ILEX* sp.
Col. No. 6083.

243837. *NARCISSUS SEROTINUS* L. Amaryllidaceae.
Col. No. 6097. Vicinity of Palermo, Sicily. Bulbous perennial; flowers white.

243838. *NERINE SARNIENSIS* (L.) Herbert Amaryllidaceae. **Guernsey-lily.**
Col. No. 6088. Vigorous plant; flower heads to 4 inches across, pink.

243839. *OSMANTHUS* × *FORTUNEI* Carr. Oleaceae.
Col. No. 6077. *O. fragrans* × *O. heterophyllus*. Evergreen shrub to 8 feet tall, much-branched; leaves to 3 inches long, strongly spine-toothed, lustrous green above; flowers white, very fragrant.

243840. *SARCOCOCCA HOOKERIANA* var. *DIGYNA* Franch. Buxaceae.
Col. No. 6082. Evergreen shrub to 3 feet high, forming a dense much-branched bush.

243841 to 243843.

From the British West Indies. Plants presented by the Imperial College of Tropical Agriculture, St. Augustine, Trinidad. Received November 18, 1957.

243841. *MUCUNA NOVAGUINENSIS* Scheff. Fabaceae.

243842. *MUCUNA ROSTRATA* Benth.

243843. *ODONTADENIA GRANDIFLORA* Miquel Apocynaceae.

243844. *ILEX* × *ALTAACLARENSIS* Dallim. Aquifoliaceae. **Holly.**
From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 8, 1957.

(Unnumbered.) Branches with berries.

243845 to 243860.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 12, 1957.

From Kew, England. Received as cuttings unless otherwise noted.

243845. *GLEICHENIA LINEARIS* (Burm.) C. B. Clarke Gleicheniaceae.

Col. No. 6106. Rhizomatous fern to 24 inches high; best cultivated in osmundine or masses of coarse fern roots.

243846. *SELAGINELLA BIFORMIS* A. Br. Selaginellaceae.

Col. No. 6112. Rhizomatous creeper. Propagate by layering.

243847. *SELAGINELLA COMMUTATA* v. A. & v. R.

Col. No. 6108. Erect to 6 inches high; fibrous-rooted. Propagate as stem cuttings.

243848. *SELAGINELLA PALLESCENS* f. *AUREA* (J. Hill) Alston

Col. No. 6111. Rhizomatous creeper. Propagate by layering.

243849. *SELAGINELLA ERYTHROPUS* (Mart.) Spring.

Col. No. 6109. Rhizomatous creeper. Propagate by layering.

243850. *SELAGINELLA HAEMATODES* (Kuntze) Spring.

Col. No. 6105. Rhizomatous creeper. Propagate by layering.

243851. *SELAGINELLA MARTENSII* Spring.

Col. No. 6113. Fibrous-rooted; erect. Propagate by stem cuttings. Native of Mexico.

243852. *SELAGINELLA MICRODENDRON* Bak.

Col. No. 6101. Rhizomatous creeper. Propagate by layering.

243853. *SELAGINELLA MYOSURUS* (Sw.) Alston

Col. No. 6100. Rhizomatous creeper and climber. Propagate by layering. Native of Ghana.

243854. *SELAGINELLA PLANA* (Desv.) Hieron.

Col. No. 6103. Fibrous-rooted, erect. Propagate by stem cuttings. Native of tropical Asia.

243855. *SELAGINELLA PULCHERRIMA* Liebm.

Col. No. 6107. Rhizomatous creeper. Propagate by layering.

243856. *SELAGINELLA* sp.

Col. No. 6110. 'Stansfieldii'. Fibrous-rooted, erect. Propagate by stem cuttings.

243857. *SELAGINELLA UMBROSA* Lemaire

Col. No. 6099. Rhizomatous creeper. Propagate by layering.

243858. *SELAGINELLA VERSICOLOR* Spring.

Col. No. 6098. Rhizomatous creeper. Propagate by layering. Native of Ghana.

243859. *SELAGINELLA WALLICHII* (Hook. & Grev.) Spring.

Col. No. 6102. Rhizomatous creeper, erect, to 2 feet high. Propagate by layering. Native to tropical Asia.

243860. *SELAGINELLA MARTENSII* f. *ALBO-LINEATA* (Moore) Alston

Col. No. 6104. Propagate by stem cuttings.

243861 to 243878.

From Great Britain and Portugal. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 11, 1957.

From Caerhays Castle Garden, Cornwall, England, unless otherwise noted.

243861. *CAMELLIA RETICULAGA* Lindl. Theaceae. **Netvein camellia.**

Col. No. 6096. (Wild form) Large evergreen shrub to 15 feet high.

243862. *CAMELLIA SALUENENSIS* Stapf

Col. No. 6093. Evergreen shrub to 15 feet tall; leaves oblong, shining dark green; flowers white, rose, or carmine, about 3 inches wide.

243863. *CORNUS CAPITATA* Wall. Cornaceae. **Evergreen dogwood.**

Col. No. 6092. Penjerrick Gardens, near Falmouth, Cornwall, England. Deciduous tree to 30 feet high, floral braids white.

243864. *ILEX DIPYRENA* Wall. Aquifoliaceae. **Holly.**

Col. No. 6011. Evergreen tree to 25 feet high; berries red.

243865. *ILEX INSIGNIS* Hook. f.

Col. No. 6014. Evergreen tree to 15 feet high; branches grayish-white, smooth; leaves elliptic, very finely serrate, furrowed above, dull green; fruit red.

243866 and 243867. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.

243866. Col. No. 6052. 'Alba'. Deciduous tree to 40 feet high; flowers white.

243867. Col. No. 6055. Deciduous tree to 40 feet high; flowers pink.

243868 to 243870. Mr. George H. Johnstone's garden, Cornwall, England.

243868. *MAGNOLIA DAWSONIANA* Rehd. & Wils.

Col. No. 6051. Deciduous tree to 40 feet high; flowers pink.

243869 and 243870. *MAGNOLIA GLOBOSA* Hook. f. & Thoms.

243869. Col. No. 5968. Large spreading shrub to 15 feet high.

243870. Col. No. 6050. Deciduous tree to 15 feet high.

243871 and 243872. *MAGNOLIA MOLLIOMATA* W. W. Smith

243871. Col. No. 6094. Deciduous tree to 40 feet high; flowers pink.

243872. Col. No. 6095. Deciduous tree to 40 feet high; flowers pink.

243873 to 243875. *MAGNOLIA SARGENTIANA* Rehd. & Wils.

243873. Col. No. 6049. Mr. George H. Johnstone's garden, Cornwall, England. Deciduous tree to 40 feet high; flowers white.

243874. Col. No. 6053. Tree to 40 feet high; flowers pink.

243875. Col. No. 6054. Mr. George H. Johnstone's garden, Cornwall, England. Tree to 40 feet high; flowers pink.

243876. *MAGNOLIA GLOBOSA* Hook. f. & Thoms.

Col. No. 6000. Large deciduous shrub; leaves whitish, pubescent beneath.

243877. *MELIOSMA VEITCHIURUM* Hemsl. Sabiaceae.

Col. No. 6016. Deciduous tree to 20 feet high; fruit purplish-black, size of a concord grape.

243878. *POLYGALA MICROPHYLLA* L. Polygalaceae.

Col. No. 6048. Near the Rio Vieva, northern Portugal. Spreading perennial to 8 inches high, forming a rosette; flowers indigo blue.

243879 to 243882.

From Great Britain. Plants presented by Perry's Hardy Plant Farm, Enfield, Middlesex, England. Received November 12, 1957.

243879. *APONOGETON LEPTOSTACHYUM* Mey. Aponogetonaceae.

243880. *GUNNERA MANICATA* Linden Haloragidaceae. **Great gunnera.**

243881. *SCIRPUS ENUNDATUS* Poir. Cyperaceae.

243882. *SCIRPUS* sp.

243883. *PERSEA AMERICANA* Mill. Lauraceae. **Avocado.**

From Morocco. Budsticks presented by the Institut Francais de Recherches Fruitières, Rabat. Received November 12, 1957.

Fuerte × Caliente hybrid. 'Fuca'.

243884. *MEDICAGO TRIBULOIDES* Desr. Fabaceae. **Barrel medic.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received November 12, 1957.

'Barrel Medic 173'.

243885 to 243899.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 12, 1957.

From John Innes Horticultural Institute, Hertfordshire. Received as cuttings unless otherwise noted.

243885. *BEAUFORTIA SPARSA* R. Br. Myrtaceae.

Col. No. 6125. Heathlike evergreen shrub to 6 feet high; flowers scarlet.

243886. *BOUWARDIA LONGIFLORA* (Cav.) H. B. K. Rubiaceae.

Col. No. 6118. Perennial; flowers white.

243887. *BOUWARDIA* sp.

Col. No. 6120. 'Pink Giant'. Perennial; flowers deep pink.

243888. *BOUWARDIA* sp.

Col. No. 6119. 'Rosalinda'. Perennial; flowers light salmon-pink.

243889. *CESTRUM* sp. Solanaceae.

Col. No. 6116. 'Newelii'. Large evergreen shrub; foliage and stems pubescent; flowers vermillion.

243890. *CYANOTIS BARBATA* D. Don. Commelinaceae.

Col. No. 6114. Spreading perennial; stems succulent; leaves lanceolate, acuminate; flowers blue.

243891. *DOMBEYA* × *CAYEUXII* Andre Sterculiaceae.

Col. No. 6115. *D. masterii* × *D. wallichii*. Small tree; flowers pink.

243892. *MACLEANEA PUNCTATA* Hook. f. Vacciniaceae.

Col. No. 6126. Scrambling evergreen shrub on rocks; lustrous green above; flowers agapetes-like.

243893. *TRIOGANDRA GRANDIFLORA* (Donn. Smith) R. E. Woodson Commelinaceae.

Col. No. 6117. Sprawling perennial; stems wiry; leaves lustrous green; flowers whitish.

243894. *PASSIFLORA* × *ALLARDII* Chitt. Passifloraceae.

Col. No. 6124. *P. coerulea-racemosa* × *P. quadrangularis*. Flowers white shaded pink; corona white and dark purple.

243885 to 243899—Continued

243895. PASSIFLORA MIXTA L. f. **Passionflower.**

Col. No. 6122. Vigorous climber; flowers tubular, to 5 inches long, pink.

243896. PASSIFLORA SUBEROSA L. **Cork passionflower.**

Col. No. 6128. Rank growing vine; flowers greenish; fruit black. (Seeds.)

243897. PASSIFLORA (hybrid).

Col. No. 6121. *P. quadrangularis* × *P. caerulea*. 'John Innes'.

243898. PENTAPTERYGUM (hybrid). Vacciniaceae.

Col. No. 6123. *P. rugosum* × *P. serpens*. 'Ludgvan'. Scrambling evergreen shrub to 10 feet high; leaves lustrous green above; flowers clustered in 2's to 6's, pendulous, cream, red-veined; calyx green and pink.

243899. TRADESCANTIA FLUMINENSIS Vell. Commelinaceae.

Col. No. 6127. Leaves variously green, white striped and pink, vermilion below.

243900. DIOSCOREA sp. Dioscoreaceae.

From the United States. Seed collected by H. S. Gentry and E. P. Imle, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 13, 1957.

Col. No. 16889. Small vines from tuberous roots, climbing to 7 feet on shrubs in wooded bottom land.

243901 to 243906.

From the British West Indies. Seeds presented by the Imperial College of tropical Agriculture, St. Augustine, Trinidad. Received November 14, 1957.

243901. ANDROPOGON GAYANUS Kunth Poaceae. **Bluestem.**

243902 to 243905. CHLORIS GAYANA Kunth Poaceae. **Rhodesgrass.**

243902. No. 1.

243903. No. 2. (Ex-Kenya)

243904. No. 3. (Katambora Rhodes)

243905. No. 4. (Ex-Uganda)

243906. PANICUM ANTIDOTALE Retz. Poaceae.

243907 to 243916.

From Ethiopia. Seeds presented by the United States Operations Mission, Addis Ababa. Received November 13, 1957.

243907. ELEUSINE CORACANA (L.) Gaertn. Poaceae. **Ragi.**

243908 to 243912. ERAGROSTIS TEF (Zuccagni) Trotter Poaceae. **Teff.**

243908. No. 1. 'Magna'. The whitest of all forms.

243909. No. 2. 'Sergeyna'. A shade darker than 'Magna'.

243910. No. 3. Gray-white teff, without local name.

243911. No. 4. Black and white teff.

243912. No. 5. Black teff.

243913. ERUCASTRUM ABYSSINICUM (A. Rich.) O. E. Schulz Brassicaceae.

243914. GUIZOTIA ABYSSINICA (L.f.) Cass. Asteraceae.

243915. HAGENIA ABYSSINICA (Bruce) J. F. Gmel. Rosaceae.

243916. RHAMNUS PRINOIDES L'Her. Rhamnaceae. **Buckthorn.**

243917. NEOGLAZIOVIA VARIEGATA (Arruda) Mex Bromeliaceae.

From Brazil. Plants presented by the Instituto Agronomico do Santo Paulo, Campinas, Sao Paulo. Received November 14, 1957.

243918 and 243919.

From the Union of South Africa. Bulbs presented by the Division of Botany, Pretoria, Transvaal. Received November 14, 1957.

243918. HAEMANTHUS AMARYLLOIDES Jacsq. Amaryllidaceae.

No. 1.

243919. HAEMANTHUS sp.

No. 2.

243920. DIOSCOREA MACROSTACHYA Benth. Dioscoreaceae. Yam.

From Honduras. Tubers presented by an unknown donor. Received November 15, 1957.

243921 to 243935. SORGHUM VULGARE Pers. Poaceae.

From India. Seeds presented by the Agricultural Research Station, Lam Farm, Andra State. Received November 18, 1957.

243921. AKP 1.	243939. N 3.
243922. AS 4003.	243930. N 7.
243923. Co 1.	243931. N 8.
243924. Co 5.	243932. N 9.
243925. G 1.	243933. N 10.
243926. G 3.	243934. N 11.
243927. N 1.	243935. NJ 1031.
243928. N 2.	

243936 and 243937.

From Turkey. Seeds collected by Justice William O. Douglas, Supreme Court of the United States. Received November 18, 1957.

From the Geleman State Farm, Samsun.

243936. CAPSICUM FRUTESCENS L. Solanaceae.

Redpepper.

243937. PRUNUS MAHALEB L. Amygdalaceae.

Mahaleb cherry.

243938 to 244005.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 18, 1957.

From the Royal Botanical Garden, Kew, England, unless otherwise noted. Received as cuttings unless otherwise noted.

243938. ASTER NOVI-BELGII L. Asteraceae.

'Angela Peel'.

243939. ASTER sp.

'Autumn Princess'.

243940 to 243945. ASTER NOVI-BELGII L.

243940. 'Blandie.	243943. 'Crimson Brocade'.
243941. 'Chequers'.	243944. 'Festival'.
243942. 'Chorister'.	243945. 'Gayboarder Royal'.

243938 to 244005—Continued**243946.** ASTER sp.

'Lady in Blue'.

243947 to 243949. ASTER NOVI-BELGII L.**243947.** 'Marie Ballard'.**243948.** 'Mistress Quickly'.**243949.** 'Picture'.**243950.** ASTER sp.

'Rose Bonnett'.

243951 to 243952. ASTER NOVI-BELGII L.**243951.** 'Twinkle'.**243952.** 'Winston Churchill'.**243953.** AGAPETES BUXIFOLIA Nutt. Vacciniaceae.

Col. No. 6142A.

243954. BRUNFELSIA CALYCINA Benth. Solanaceae.

Col. No. 6169. 'Macrantha'. Small evergreen tree.

243955 to 234959. Garden at Exbury House, Exbury, Hampshire.**243955.** CAMELIA RETICULATA Lindl. Theaceae. **Netvein camellia.**

Col. No. 6151. Evergreen shrub to 15 feet high; flowers single, deep pink.

243956. CAMELIA SALUENENSIS Stapf.

Col. No. 6149. Evergreen shrub to 8 feet high; flowers pink, showy.

243957 to 243959. COTONEASTER \times WATERERI Exell Malaceae.**243957.** Col. No. 6140. 'Cornubia'. Evergreen shrub to 15 feet high; fruit scarlet.**243958.** Col. No. 6137. 'Exburiensis'. Evergreen shrub to 15 feet high; branches spreading and arching; fruit yellow.**243959.** Col. No. 6142. 'Exburiensis'. Evergreen shrub to 15 feet high; fruit yellow.**243960.** EPACRIS LONGIFLORA Cav. Epacridaceae.

Col. No. 6164. Evergreen shrub to 5 feet tall; flowers crimson and white.

243961. EPACRIS PULCHELLA Cav.

Col. No. 6144. Evergreen shrub.

243962 to 243966. ERIGERON (hybrid). Asteraceae.**243962.** 'Felicity'. **243965.** 'Sincerity'.**243963.** 'Festivity'. **243966.** 'Unity'.**243964.** 'Mesa Grande'.**243967.** EUPHORBIA SIKKIMENSIS Boiss. Euphorbiaceae.

Col. No. 6176. (Root divisions.)

243968 and 243969. EUPHORBIA WULFENII Hoppe**243968.** Col. No. 6170. (Plants.)**243969.** Col. No. 6153. Chelsea Physic Garden, London. Evergreen perennial to 3 feet high; leaves silvery gray. (Plants.)**243970 and 243971.** FOKIENIA HODGINSII (Dunn) A. Henry & H. H. Thomas Pinaceae.**243970.** Col. No. 6154. Small evergreen tree.**243971.** Col. No. 6143. Garden at Exbury House, Exbury, Hampshire. Small evergreen tree to 20 feet high; branches flat.

243938 to 244005—Continued

- 243972.** *Ilex fargesii* Franch. Aquifoliaceae. **Holly.**
Col. No. 6135. Nursery Court, Windlesham, Surrey. Evergreen tree to 15 feet high; bark smooth, green.
- 243973 to 243975.** *Ilex franchetiana* Loes. **Holly.**
Garden at Exbury House, Exbury, Hampshire.
- 243973.** Col. No. 6146. Evergreen tree to 15 feet high; fruit red, in clusters.
- 243974.** Col. No. 6147. Seeds of P.I. 243973.
- 243975.** Col. No. 6148.
- 243976.** *Impatiens hawkeri* W. Bull. Impatiensaceae.
Col. No. 6166. Succulent stemmed perennial to 3 feet high; flowers deep pink; foliage reddish.
- 243977 and 243978.** *Lavandula* sp. Menthaceae.
Nursery Court, Windlesham, Surrey.
- 243977.** Col. No. 6130. 'Hidcote Giant'. Evergreen shrub to 2 feet high.
- 243978.** Col. No. 6133. 'Hidcote'. Evergreen shrub to 2 feet high; flowers very dark lavender.
- 243979.** *Ligustrum confusum* Decne. Oleaceae. **Privet.**
Col. No. 6144. Garden at Exbury House, Exbury, Hampshire. Deciduous shrub to 20 feet high; leaves peachlike; fruit blue-black. (Seeds.)
- 243980.** *Blechnum chilense* (Kaulf.) Mett. Polypodiaceae.
Col. No. 6152. Rhizomatous perennial; fronds 3 feet long, leathery. (Plants.)
- 243981.** *Manglietia hookeri* Cubitt & W. W. Sm. Magnoliaceae.
Col. No. 6145. Garden at Exbury House, Exbury, Hampshire. Evergreen tree to 20 feet high.
- 243982.** *Marcgravia umbellata* L. Marcgraviaceae.
Col. No. 6147. Evergreen creeper; leaves dimorphic.
- 243983.** *Nivenia corymbosa* (Ker.) Bak. Proteaceae.
Col. No. 6162.
- 243984.** *Pelargonium fragrans* Willd. Geraniaceae. **Geranium.**
Col. No. 6157.
- 243985.** *Pelargonium glutinosum* L'Her.
Col. No. 6161.
- 243986.** *Pelargonium quercifolium* (L. f.) L'Her. **Geranium.**
Col. No. 6156. 'Major'.
- 243987.** *Pelargonium* sp.
Col. No. 6134. Nursery Court, Windlesham, Surrey. Evergreen shrub to 10 feet high, strongly scented; flowers red and white.
- 243988 and 243989.** *Pelargonium* (hybrids).
- 243988.** Col. No. 6158. 'Endsleigh'.
- 243989.** Col. No. 6155. 'Lady Plymouth'.
- 243990.** *Pelargonium radula* L'Her.
Col. No. 6160.
- 243991.** *Pelargonium* × *vanedesiae* Sweet
Col. No. 6159.

243938 to 244005—Continued

243992 to 243995. Garden at Exbury House, Exbury.

243992 and 243993. *PERNETTYA MUCRONATA* (L. f.) Gaud. Ericaceae.
Broadleaf pernettya.

243992. Col. No. 6138. Much-branched evergreen shrub to 3 feet high; fruit white.

243993. Col. No. 6141. Evergreen shrub to 4 feet high; leaves prickly.

243994. *PIERIS FORMOSA* var. *FORRESTII* Harrow Ericaceae.

Col. No. 6139. 'Wakehurst'. Evergreen shrub to 10 feet high; new foliage bright red; flowers white.

243995. *PIERIS JAPONICA* (Thunb.) G. Don Japanese pieris.

Col. No. 6150. 'Variegata'. Evergreen shrub to 8 feet high; leaves with a white border.

243996 to 243999. *RHODODENDRON* (hybrids). Ericaceae.

243996. Col. No. 6174. 'Clarinda'.

243997. Col. No. 6173. 'Princess Alexandra'. (*R. jasminiflorum* × *R. 'Princess Royal'*.)

243998. Col. No. 6171. 'Red Prince'.

243999. Col. No. 6172. 'Taylori'. (*R. brookeanum* × *R. 'Princess Alexandra'*.)

244000 to 244002. Nursery Court, Windlesham, Surrey.

244000. *RHODODENDRON SINONUTTALLII* Balf. f. & Forrest

Col. No. 6132. Evergreen shrub to 5 feet high; flowers white, trumpet-shaped, fragrant.

244001. *ROSMARINUS OFFICINALIS* L. Menthaceae. Rosemary.

Col. No. 6129. 'Jessups Upright'. Evergreen shrub to 4 feet high; branches all ascending.

244002. *RUTA GRAVEOLENS* L. Rutaceae. Common rue.

Col. No. 6131. 'Jackman'. Evergreen, suffrutescent subshrub to 12 inches high; foliage blue.

244003. *SINARUNDINARIA MURIELAE* (Gamble) Nakai Poaceae. Bamboo.

Col. No. 6156. (Plant.)

244004. *SINARUNDINARIA NITIDA* (Mitf.) Nakai Poaceae. Bamboo.

Col. No. 6157. (Plant.)

244005. *SOLIDAGO* sp. Asteraceae.

Col. No. 34.

244006 to 244010. *SACCHARUM* (hybrids). Poaceae. Sugarcane.

From Cuba. Cuttings presented by Hans G. Sorensen, Central Jaronu, Camaguey. Received November 18, 1957.

244006. 51-1-1.

244009. 55-488.

244007. 55-485.

244010. 55-533.

244008. 55-487.

244011. *CLUSIA GRANDIFLORA* Splitg. Clusiaceae.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 18, 1957.

Col. No. 6167. Royal Botanic Gardens, Kew. Evergreen tree to 20 feet high; leaves leathery.

244012 to 244016.

From Madagascar. Seeds presented by the Institut de Recherches de Madagascar, Tananarive. Received November 19, 1957.

244012. *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**
'Bealanana'.

244013. *COFFEA CONGENSIS* Froehn. **Coffee.**

244014. *COFFEA EXCELSA* A. Chev. **Congo coffee.**

244015. *COFFEA QUILLOU* P. J. S. Cramer **Coffee.**

244016. *COFFEA CANEPHORA* Pierre ex Froeh. **Robusta coffee.**

244017 to 244019. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae.
Watermelon.

From the Union of South Africa. Seeds presented by Oved Shifriess, Transvaal. Received November 20, 1957.

244017. No. 1. Stork River Dam. Fruit 11 by 9 cm.; skin buff, background green laced, relatively soft skin and flesh; flesh spongy and green.

244018. No. 2. Stork River Dam. Fruit 16 by 10 cm.; skin green striped; flesh green and spongy.

244019. No. 3. 'Delagoa'. Fruit 13 by 10 cm.; skin dark green, hard, with light green spots.

244020 and 244021.

From Brazil. Seeds presented by Mrs. McGehee, through Coconut Grove, Florida. Received November 20, 1957.

244020. *CAESALPINIA PELTOPHOROIDES* Benth. Caesalpinaceae.

244021. *LUEHEA GRANDIFLORA* Mart. Tiliaceae.

244022 to 244027.

From Great Britain. Plants presented by the Cross Green Nurseries, Liverpool, England. Received November 21, 1957.

244022. *MOLINIA CAERULEA* (L.) Moench Cyperaceae.
'Variegata'.

244023. *LOBELIA CARDINALIS* L. Campanulaceae.
'Queen Victoria'.

244024 and 244025. *LOBELIA* (hybrids).

244024. 'Jean'.

244025. 'Mrs. Humbert'.

244026. *SALIX CAPREA* L. Salicaceae. **Willow.**
'Kilmarnook Pendula'.

244027. *SCROPHULARIA NODOSA* L. Scrophulariaceae.
'Variegata'

244028 to 244030.

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida. Received November 20, 1957.

244028. *CAPPARIS SPINOSA* L. Capparidaceae. **Caper.**
Originally from Cyprus.

244029. *DERRIS DALBERGIOIDES* Baker Fabaceae.
Originally from the Royal Botanical Gardens, Peradeniya, Ceylon.

244030. *SWARTZIA MADAGASCARIENSIS* Desv. Caesalpinaceae.
Originally from Southern Rhodesia.

244031. ANGRAECUM KOTSCHYI Reichb. f. Orchidaceae.

From Ethiopia. Plants presented by Edgar Anderson, Jimma.
Received November 21, 1957.

244032. MAGNOLIA MOLLICOMATA W. W. Smith Magnoliaceae.

From Great Britain. Seeds collected by F. G. Meyer, agricultural explorer,
Plant Introduction Section, Crops Research Division, Beltsville, Md. Received
November 25, 1957.

Col. No. 6154. Garden of George H. Johnstone, Trewithen, Cornwall. Deciduous tree to 40 feet high.

244033. TEPHROSIA CANDIDA DC. Fabaceae.

From Puerto Rico. Plants growing at the Federal Experiment Station, Mayaguez. Numbered November 21, 1957.

Originally received from Ceylon in 1949.

244034 and 244035.

From Italy. Trees presented by the Office of Agricultural Attache, United States Embassy, Rome. Received November 21, 1957.

244034. OLEA sp. Oleaceae.

'Nosteale di Rigali'.

244035. OLEA sp.

'Leccio del Coruo'.

244036. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.

From Brazil. Seeds presented by the Servico de Experimentacao, Zootechnia, Porto Alegre. Received November 25, 1957.

An erect, fast-growing variety that grows especially well in the spring. Used for grazing and for hay.

244037. TRITICUM sp. Poaceae. Wheat.

From Spain. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 25, 1957.

From northern slopes of Sierra Nevada Mountains, near Granada. Elevation 3,000 feet. Plants to 5 feet high with a stiff fibrous stem; awns to 4 inches long, black-colored down to the base. Cultivar grown locally.

244038 to 244069.

From Yemen. Seeds from the International Cooperation Administration, Mogadiscio, Somalia. Received November 21, 1957.

244038. ACACIA sp. Mimosaceae.

No. 32. Collected somewhere between Ta.'izz and San.'a.

244039. ARACHIS HYPOGAEA L. Fabaceae.

Peanut.

No. 20. Market, Ta.'izz. Grown northeast of Ta.'izz, elevation 3,000 feet.

244040. GOSSYPIUM (hybrid). Malvaceae.

Cotton.

No. 17. Coastal plain near Beit al Faqih; on sandy soils with some irrigation.

244041 HORDEUM sp. Poaceae.

No. 25. Grown at Ibb. Elevation 6,100 feet. Terraced land, rainfall to 20 inches; little, if any, disease noted.

244042. INDIGOFERA sp. Fabaceae.

Indigo.

No. 4. Samara Pass. Small creeping legume. Elevation 9,000 feet.

244038 to 244069—Continued

- 244043.** *JATROPHA CURCAS* L. Euphorbiaceae.
No. 9. Near Hammen Ali. Elevation 5,000 feet. Called wild persimmon.
- 244044.** *JATROPHA* sp.
No. 19. Plant and seeds said to be a very strong laxative used by natives.
- 244045 and 244046.** *LENS CULINARIS* Medic Fabaceae. **Lentil.**
244045. No. 5. San.'a. Elevation 7,000 feet.
244046. No. 29. Ta.'izz. Grown at high altitudes on terraced lands; no irrigation.
- 244047.** *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**
No. 7. Near San.'a. Elevation 7,600 feet. 6 to 8 cuttings a year. Excellent color and apparently free from disease.
- 244048.** *ORNITHOPUS* sp. Fabaceae.
No. 3. Elevation 9,000 feet.
- 244049.** *PACHIRA* sp. Bombacaceae.
No. 31. Between Ta.'izz and San.'a.
- 244050 and 244051.** *PENNISETUM SPICATUM* (L.) Willd. Poaceae. **Pearl millet.**
244050. No. 14. Near Hodeida. Elevation 800 feet. Grown where other crops do not survive on account of heat and drought.
244051. No. 24. From the Ta.'izz market. Elevation 8,000 feet. Generally grown on droughty soils and in areas of little rainfall, but also grown throughout Yemen.
- 244052.** *PHASEOLUS AUREUS* Roxb. Fabaceae.
No. 10. Near Hodeida. Elevation 600 feet. Sandy soil with some irrigation.
- 244053.** *PHASEOLUS VULGARIS* L. **Common bean.**
No. 26. Market, Ta.'izz. Grown from sea level to elevation 8,000 feet. Generally grown with corn. Used as green or dry beans.
- 244054 and 244055.** *PISUM SATIVUM* L. Fabaceae. **Pea.**
244054. No. 13. Market, Hodeida. Elevation 400 feet. Plant with corn, or alone, on sandy soils.
244055. No. 8. Near San.'a. Elevation 8,000 feet.
- 244056 to 244059.** *SORGHUM VULGARE* Pers. Poaceae.
244056. No. 15. 'Orange Dura'. Grown under irrigation on the Red Sea Plain. Climate hot and dry, soil sandy or silt.
244057. No. 16. 'White Dura'. Market, Hodeida. Elevation 800 feet. Grown under irrigation; soil sandy or silty.
244058. No. 26. 'White Dura'. Plant to 18 feet high. Grown on terraces.
244059. No. 28. 'Dura'. Near Ta.'izz. Elevation 6,500 feet. Grown on terraced land; no irrigation.
- 244060.** *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. **Fenugreek.**
No. 6. 'Dilba'. Market, San.'a. Grown for human food.
- 244061.** *TRITICUM ÆSTIVUM* L. Poaceae. **Common wheat.**
No. 1. Ibb. Elevation 2,100 feet. Not irrigated.

244038 to 244069—Continued

244062 and 244063. *VICIA FABA* L. Fabaceae. **Broadbean.**

244062. No. 2. Near Ibb, in market. Elevation 2,800 feet.

244063. No. 11. Market, Hodeida. Elevation 600 feet. Partial irrigation on sandy soils.

244064 to 244066. *VIGNA SINENSIS* (Torner) Savi Fabaceae. **Cowpea.**

244064. No. 12. Near Hodeida. Elevation 600 feet. Sand soil; climate hot; partial irrigation.

244065. No. 18. Red Sea coastal plain. Elevation 200 feet. Sandy soil, irrigated.

244066. No. 27. Near Ta.'izz. Elevation 4,000 feet. Grown with corn on terraced land; no irrigation.

244067 to 244069. *ZEA MAYS* L. Poaceae. **Corn.**

244067. No. 21. Market, Ta.'izz. Elevation 5,000 feet. Terraced land, some irrigation; ears small.

244068. No. 22. Market, Ta.'izz. Elevation 5,000 feet. Generally on terraces, dependent on rainfall.

244069. No. 23. Market, Ta.'izz. Elevation 6,000 feet. Terraced land; no irrigation; seeds white.

244070 to 244079.

From Hungary. Trees presented by Kerteszeti Kutato Intezet, Budapest. Received November 22, 1957.

244070 to 244074. *PRUNUS ARMENIACA* L. Amygdalaceae. **Apricot.**

244070. 'Ambrosia'.

244071. 'Borsi-fele Rozsa'.

244072. 'Kecskemeti Rozsa'.

244073. 'Magyar Kajszzi'.

244074. 'Rokovszky'.

244075 to 244079. *PRUNUS* sp. Amygdalaceae.

244075. 'Badacsazi Orias'.

244076. 'Cserszegi Mezes'.

244077. 'Majasi Hosszuszaru'.

244078. 'Politur Herz'.

244079. 'Szomolyai Rovidszaru'.

244080 to 244083. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Italy. Seeds presented by the Rice Experiment Station, Vercelli. Received November 22, 1957.

244080. 'Allorio'. Vercelli.

244081. 'Balilla'. Bologna.

244082. 'Pierrot'. Bologna.

244083. 'Pierrot Rossi'. Vercelli.

244084. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

From Italy. Seeds presented by the Federazione Italiana dei Consorzi Agrari, Rome. Received November 25, 1957.

244085. *JUGLANS* sp. Juglandaceae.

From France. Scions presented by the Domaine de Castang, Bergeral, Dardogne.

244086. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Italy. Seeds presented by the Federazione Italiana dei Consorzi Agrari, Rome. Received November 25, 1957.

244087. SORGHUM VULGARE Pers. Poaceae.

From Jordan. Seeds collected by Harley Roath, Tulkarm. Received November 25, 1957.

244088 to 244272. PISUM SATIVUM L. Fabaceae. Pea.

From the Netherlands. Seeds presented by the Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen. Received November 23, 1957.

244088. 'Allerfruheste Mai'.	244124. 'De Grace'.
244089. 'Allervroegste Wonder'.	244125. 'Delex'.
244090. 'Allotment Holder'.	244126. 'Deli'.
244091. 'Alpha'.	244127. 'Delikatesse'.
244092. 'Anthonie'.	244128. 'Delikatesse Improved'.
244093. 'Apollo'.	244129. 'Demi nain Debeve'.
244094. 'Artemis'.	244130. 'Dertigdaagse'.
244095. 'Aureool'.	244131. 'Dr. Neuers Kroneniperle'.
244096. 'Balder'.	244132. 'Early Onward'.
244097. 'Battelse'.	244133. 'Edelkrombek'.
244098. 'Batt's Wonder'.	244134. 'Eersteling'.
244099. 'Belle de Chatenay'.	244135. 'Eerste Vroege Mei'.
244100. 'Berner Markt'.	244136. 'Elberta'.
244101. 'Bon Ami'.	244137. 'Engelsk Sabel'.
244102. 'Boordevol'.	244138. 'Exalda'.
244103. 'Brunsviga'.	244139. 'Fairbeards Non Pareil'.
244104. 'Brunsvijker Volgers'.	244140. 'Fin Des Gourmets'.
244105. 'Caractacus'.	244141. 'Fonette'.
244106. 'Celsior'.	244142. 'Foli'.
244107. 'Censeur'.	244143. 'Forto'.
244108. 'Centurion'.	244144. 'Fortuna'.
244109. 'Ceres'.	244145. 'Fuga'.
244110. 'Cerosa'.	244146. 'Furore'.
244111. 'Chemin Long Hatif'.	244147. 'Gentse Vroege'.
244112. 'Chemin Long Tardif'.	244148. 'Geschenk'.
244113. 'Clamart Demi Nain'.	244149. 'Gloire de Quimper'.
244114. 'Clamart Trois Gousses'.	244150. 'Goldkonigin'.
244115. 'Clause '50'.	244151. 'Goudvaatje'.
244116. 'Columba'.	244152. 'Greca'.
244117. 'Concordia'.	244153. 'Grijze Reuzen'.
244118. 'Conserva'.	244154. 'Grote Slier'.
244119. 'Conservenkonigin'.	244155. 'Gruno'.
244120. 'Conso'.	244156. 'Haarsteegse'.
244121. 'Crescent'.	244157. 'Hada'.
244122. 'Cupido'.	244158. 'Halfstam'.
244123. 'Debut'.	244159. 'Helda'.

244088 to 244272—Continued

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| 244160. | 'Helios'. | 244202. | 'Pacemaker'. |
| 244161. | 'Heraut'. | 244203. | 'Petit Breton'. |
| 244162. | 'Hoge Late Groene'. | 244204. | 'Petit Cevenol'. |
| 244163. | 'Insulinde'. | 244205. | 'Phenomenon'. |
| 244164. | 'Jubilee'. | 244206. | 'Piccolo'. |
| 244165. | 'Juni Sabel'. | 244207. | 'Prasident Kruger'. |
| 244166. | 'Juwel'. | 244208. | 'Primata'. |
| 244167. | 'Kaapse Groene'. | 244209. | 'Quarante Deux de
Sarcelles Ameliorée'. |
| 244168. | 'King of the Dwarfs'. | 244210. | 'Rapid'. |
| 244169. | 'Knight's Dwarf White'. | 244211. | 'Rapida'. |
| 244170. | 'Konig der Carouby'. | 244212. | 'Rasper Groene'. |
| 244171. | 'Konig der Middelvroegen'. | 244213. | 'Rasper Ruige Gele'. |
| 244172. | 'Konservestolz'. | 244214. | 'Rasperpeulen'. |
| 244173. | 'Kristallglass'. | 244215. | 'Rembrandt'. |
| 244174. | 'Kungsart'. | 244216. | 'Reuzen Mei'. |
| 244175. | 'Lage Smeltpeul'. | 244217. | 'Reuzenboter Gekreukt'. |
| 244176. | 'Largo'. | 244218. | 'Reuzenboter Rond'. |
| 244177. | 'Laurell'. | 244219. | 'Reva'. |
| 244178. | 'Lav. Sabel'. | 244220. | 'Rex'. |
| 244179. | 'Lentedopper'. | 244221. | 'Rigi'. |
| 244180. | 'Lentekrombek'. | 244222. | 'Roi des Conserves'. |
| 244181. | 'Limbergse Groene
Krombek'. | 244223. | 'Roi des Fins Verts'. |
| 244182. | 'Lolo'. | 244224. | 'Rondo'. |
| 244183. | 'Mandvuller'. | 244225. | 'Rubens'. |
| 244184. | 'Meidoppers'. | 244226. | 'Sabre'. |
| 244185. | 'Meikoningin'. | 244227. | 'Safir'. |
| 244186. | 'Michoux d'Hollande'. | 244228. | 'Salzmunder Edelperle'. |
| 244187. | 'Michoux Ordinaire'. | 244229. | 'Salzmunder Grune'. |
| 244188. | 'Mira'. | 244230. | 'Saxa Vert'. |
| 244189. | 'Moerheims Reuzen'. | 244231. | 'Senator'. |
| 244190. | 'Monster'. | 244232. | 'Serpette Cent Pour Un'. |
| 244191. | 'Morgenster'. | 244233. | 'Serpette d'Auvergne'. |
| 244192. | 'Multifold'. | 244234. | 'Serpette Express a Grain
Vert'. |
| 244193. | 'Nain Hatif Amelioré'. | 244235. | 'Serpette Vert'. |
| 244194. | 'Nanum'. | 244236. | 'Shah de Perse'. |
| 244195. | 'New Era'. | 244237. | 'Siegerin'. |
| 244196. | 'Olympia'. | 244238. | 'Skandia'. |
| 244197. | 'Onsa'. | 244239. | 'Sprinter'. |
| 244198. | 'Orion'. | 244240. | 'Stam of Kruip'. |
| 244199. | 'Oscar'. | 244241. | 'Stam Kruip geel'. |
| 244200. | 'Osterlen'. | 244242. | 'Stens'. |
| 244201. | 'Overvloed'. | | |

244088 to 244272—Continued

- | | |
|---------------------------|----------------------------------|
| 244243. 'Stomppeul'. | 244258. 'Vlijmse Krombet'. |
| 244244. 'Suikerzoete'. | 244259. 'Volontaire'. |
| 244245. 'Supermangetout'. | 244260. 'Voorloper'. |
| 244246. 'Sylvester'. | 244261. 'Vroege Hendriks'. |
| 244247. 'Tidriga Stens'. | 244262. 'Vroege Suikerpeul'. |
| 244248. 'Tilly'. | 244263. 'Waxless'. |
| 244249. 'Uberreich'. | 244264. 'Wilhelm Tell'. |
| 244250. 'Unique'. | 244265. 'William Hurst'. |
| 244251. 'Universalis'. | 244266. 'Wonder van Amerika'. |
| 244252. 'Veense'. | 244267. 'Wonder van Engeland'. |
| 244253. 'Velocity'. | 244268. 'Wonder van Witham'. |
| 244254. 'Venlona II'. | 244269. 'Wunder von Rhein'. |
| 244255. 'Vermeer'. | 242740. 'Zeiners Grune Bastard'. |
| 244256. 'Vesta'. | 244271. 'Zelka Schokker'. |
| 244257. 'Vincent'. | 244272. 'Zwitserse Reuzen'. |

244273 to 244291.

From Spain. Plants growing at the Soil Conservation Service Observation Nurseries, Beltsville, Md. Numbered November 26, 1957.

Originally received as seeds from the Botanical Garden, Madrid. Numbers (B.N.) indicate the Beltsville Nurseries.

244273. *ASTRAGALUS* sp. Fabaceae.
 B. N. 7869.
- 244274 to 244276. *ASTRAGALUS HAMOSUS* L. **Milkvetch.**
 244274. B. N. 7867.
 244275. B. N. 7880.
 244276. B. N. 7885.
244277. *ASTRAGALUS SCORPIOIDES* Pourr. **Milkvetch.**
 B. N. 7884.
244278. *CROTALARIA INCANA* L. Fabaceae.
 B. N. 7892.
244279. *DALEA LAGOPUS* (Cav.) Willd. Fabaceae.
 B. N. 7893.
244280. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.
 B. N. 7897.
244281. *LOTUS EDULIS* L. Fabaceae.
 B. N. 8580.
244282. *MEDICAGO AURICULATA* All. Fabaceae.
 B. N. 7925.
244283. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinners
California burclover.
 B. N. 7922.
244284. *MEDICAGO LACINIATA* (L.) Mill. **Medic.**
 B. N. 7924.

244273 to 244291—Continued

- 244285.** *MEDICAGO TRIBULOIDES* Desv.
B. N. 8581.
- 244286.** *MELILOTUS INDICA* (L.) All. Fabaceae. **Sweetclover.**
B. N. 7935.
- 244287.** *MELILOTUS ITALICA* (L.) Lam. **Sweetclover.**
B. N. 7934.
- 244288.** *TRIGONELLA CAERULEA* (L.) Ser. Fabaceae.
B. N. 7968.
- 244289 and 244290.** *TRIGONELLA CORNICULATA* L.
244289. B. N. 7969.
244290. B. N. 7966.
- 244291.** *TRIGONELLA FOENUM-GRÆCUM* L. **Fenugreek.**
B. N. 7944.
- 244292.** *ELEOCHARIS DULCIS* (Burm. f.) Trin. Cyperaceae. **Waternut.**

From the United States. Plants growing at the Plant Introduction Station, Chico, California. Numbered January 13, 1958. Presented by Mas Yamaguchi, University of California, Davis.

Corms small, yield about 600 gms. Originally cultivated in Hong Kong.

244293 to 244306. ZEA MAYS L. Poaceae. Corn.

From Australia. Seeds presented by the Department of Agriculture, Sydney
Received November 26, 1957.

- 244293.** 12A. Backcross derivative, recurrent parent 12 which is an 'Improved Yellow' dent inbred from Lawes, Queensland.
- 244294.** 13A. Backcross recovery from 64 × 132. Origin of 13 unknown.
- 244295.** 61B. Backcross recovery, recurrent parent 61 from 'Improved Yellow' dent. Named 1949.
- 244296.** D21N. Unknown—probably Experiment Farm Fitzroy. Has been inbred over 20 years.
- 244297.** DT317. Inbred at Lawes, Queensland from 'Yellow Tuxpan' from Texas. Received Grafton 1948.
- 244298.** FF3. Inbred directly from Experiment Farm Fitzroy, common source material to that of M16 and M3.
- 244299.** FG353; (Tx 203 mst × 25) × (13A × GJ 39-25).
- 244300.** GH355; (Tx 203 mst × Y1) × (13A × GJ 39-25).
- 244301.** H234. From 'Leaming', fixed from segregating material received from Hawkesbury Agricultural College, N.S.W. in 1954-55.
- 244302.** KE132. Inbred from 'King of the Earlies'.
- 244303.** L1. Inbred from 'Leaming', named 1949.
- 244304.** M3. Same source material as M16, different original cob selection.
- 244305.** M16. Inbred from Grafton Experiment Farm, Department of Agriculture, N.S.W. Strain of 'Fitzroy' previously carried under the Macanley Plot Technique.
- 244306.** NN13. Inbred from an unnamed open pollinated variety. Named 1951.

244307. *DRACAENA* sp. Liliaceae.

From the Philippines. Plants intercepted by quarantine official at Honolulu, Hawaii.

244308 to 244330.

From Spain. Plants growing at the Soil Conservation Service Observation Nurseries, Beltsville, Md. Numbered November 26, 1957.

Originally received as seeds from the Botanical Garden, Madrid. Numbers (B.N.) indicate the Beltsville Nurseries.

244308. *ASTRAGALUS HAMOSUS* L. Fabaceae.

B.N. 7873.

244309 and 244310. *ASTRAGALUS STELLA* GOUND.

244309. B.N. 7882.

244310. B.N. 7883.

244311. *CORONILLA SCORPIOIDES* Koch Fabaceae.

B.N. 7889.

244312 to 244315. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinnery Fabaceae.

244312. B.N. 7923.

244313. B.N. 7927.

244313. B.N. 7920.

244315. B.N. 7930.

244316. *MEDICAGO ORBICULARIS* (L.) All.

B. N. 7926.

244317. *MEDICAGO SATIVA* L.

B. N. 7928.

244318. *MEDICAGO TURBINATA* var. *ACULEATA* (Gaertn.) Moris.

B. N. 7931.

244319. *ONONIS BIFLORA* Desf. Fabaceae.

B. N. 8587.

244320. *ONONIS MITISSIMA* L.

B. N. 7941.

244321. *ORNITHOPUS COMPRESSUS* L. Fabaceae.

B. N. 7942.

244322. *TRIFOLIUM ARVENSE* L. Fabaceae.

B. N. 7955.

244323. *TRIFOLIUM LAPPACEUM* L.

B. N. 7963.

244324. *TRIFOLIUM RESUPINATUM* L.

Persian clover.

B. N. 9072.

244325. *TRIFOLIUM SPUMOSUM* L.

B. N. 8592.

244326. *TRIGONELLA BRACHYCARPA* (Fisch.) Moris. Fabaceae.

B. N. 7967.

244327. *TRIGONELLA MONSPELIACA* L.

B. N. 7945.

244308 to 244330—Continued**244328 and 244329.** TRIGONELLA POLYGERATA L.**244328.** B. N. 7946.**244329.** B. N. 8865.**244330.** VICIA ANGUSTIFOLIA L. Fabaceae.**Vetch.**

B. N. 8599.

244331. STIPA TENACISSIMA Jusl. Poaceae. **Esparto needlegrass.**

From Libya. Seeds presented by the United States Operations Mission to Libya, American Embassy, Tripoli. Received November 27, 1957.

244332 to 244345.

From Ethiopia. Seeds presented by the Rockefeller Foundation, Jimma. Received November 27, 1957.

244332 and 244333. CICER ARIETINUM L. Fabaceae.**Chickpea.****244332.** Market sample. Seeds mostly black; toasted and used like nuts.**244333.** Seeds mostly red, small, of high quality; used like nuts.**244334.** ERYTHRINA sp. Fabaceae.

Ornamental tree.

244335. EULOPHIA sp. Orchidaceae.**244336.** GUIZOTIA ABYSSINICA (L. f.) Cass. Asteraceae.

Yields high quality cooking oil.

244337. HORDEUM sp. Poaceae.**Barley.**

Market sample.

244338 to 244340. TRITICUM AESTIVUM L. Poaceae.**Common wheat.****244338.** Market samples of soft wheats.**244339.** Market samples of soft wheats.**244340.** Market samples of soft wheats.**244341.** TRITICUM DICOCCUM Schrank.**Emmer.**

Market sample. Used in broth for invalids.

244342. TRITICUM DURUM Desf.**Durum wheat.**

Market sample A. From mixed fields. Probable source of semidurums.

244343 and 244344. TRITICUM sp.**244343.** Market sample A. From mixed fields. Probable source of semidurums.**244344.** Market sample B. From mixed fields. Probable source of semidurums.**244345.** VICIA FABA L. Fabaceae.**Broadbean.**

Market sample.

244346 to 244352.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered December 9, 1957.

Received October 17, 1957, as seeds, from the University of Washington Arboretum, Seattle, Wash. Localities given are original sources.

244346. ACER GLABRUM Torr. Aceraceae.**Maple.**

Received from the University of British Columbia, Vancouver, B. C., Canada.

244346 to 244352—Continued

244347. *ACER GLABRUM* var. *DOUGLASII* (Hook.) Hemsl **Maple.**
Columbia River, Oregon.

244348. *CASTANOPSIS CHRYSOPHYLLA* (Dougl.) DC. Fagaceae.
Curry County, Oregon.

244349. *LITHOCARPUS DENSIFLORUS* (Hook. & Arn.) Rehder Fagaceae.
Northern Del Norte County, California.

244350. *LITHOCARPUS DENSIFLORUS* var. *MONTANA* (Mayr) Rehder
Southern Curry County, Oregon.

244351. *QUERCUS BREWERI* Engelm. Fagaceae.
Southwestern Josephine County, Oregon.

244352. *QUERCUS VACCINIFOLIA* Kell.
Southeastern Curry County, Oregon.

244353. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

From Canada. Seed presented by the Department of Agriculture, Experimental Farms Service, Lethbridge, Alberta. Received November 29, 1957.

Selection for winter hardiness in southern Alberta.

244354. *CARTHAMUS TENUIS* (Boiss. & Blanche) Bornm. Asteraceae.

From Israel. Seeds presented by the Agricultural Experiment Station, Nve-Yaar. Received December 2, 1957.

244355 to 244357. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Pakistan. Seeds presented by the Economic Botanist, Dacca Farm, P. O. Tejgaon, Dacca. Received December 2, 1957.

244355. 'Dhalasaita'.

244356. 'Dharial'.

244357. 'Kumari'.

244358 to 244364.

From Germany. Seeds presented by the Botanical Garden, Munchen. Received December 2, 1957.

244358. *ANGELICA SYLVESTRIS* L. Apiaceae.

244359. *ASTRAGALUS HAMOSUS* L. Fabaceae. **Milkvetch.**

244360. *NIGELLA SATIVA* L. Ranunculaceae. **Black cumin.**

244361. *ONOBRYCHIS CAPUT-GALLI* (L.) Lam. Fabaceae.

244362. *SPILANTHES OLERACEA* L. Asteraceae.

244363. *STEVIA PURPUREA* Pers. Asteraceae.

244364. *TETRAGONOLOBUS PURPUREUS* Moench Fabaceae.

244365 to 244367.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paula. Received December 2, 1957.

244365 and 244366. *LUPINUS ALBUS* L. Fabaceae. **White lupine.**

244365. I-22.418 Tremoco.

244366. I-22.419 Tremoco.

244367. *LUPINUS ANGUSTIFOLIUS* L. **Blue lupine.**

I 22.417.

244368 to 244374.

From Germany. Seeds presented by the Botanical Garden, Stuttgart, Hohenhelm. Received December 2, 1957.

- 244368.** ANGELICA SYLVESTRIS L. Apiaceae.
244369. ASTRAGALUS VERNUS Georgi Fabaceae.
244370. ASTRAGALUS sp.
244371. ONOBRYCHIS ARENARIA DC. Fabaceae.
244372. ONOBRYCHIS PETRAEA Desv.
244373. LINUM AUSTRIACUM L. Linaceae.
244374. TETRAGONOLOBUS PURPUREUS Moench Fabaceae.

244375 to 244380. SOLANUM TRIFIDUM Correll Solanaceae.

From Mexico. Tubers presented by the Rockefeller Foundation, Calle Londres. Received December 3, 1957.

- 244375 and 244376.** Road to Uruapan, Michoacan.
244375. S-372.
244376. S-458.
244377. North of Paricutin, Michoacan.
 S-459.
244378. Road to Uruapan, Michoacan.
 S-460.
244379 and 244380. North slope of Nevado de Colima, Jalisco.
244379. S-461.
244380. S-462.

244381. MERCURIALIS ANNUA L. Euphorbiaceae.

From France. Seeds presented by P. Plantiveau, Nantes. Received December 3, 1957.

244382. PINUS PUMILA (Pallas) Regel Pinaceae. **Pine.**

From Japan. Seeds presented by the Kyoto University, Kyoto. Received December 3, 1957.

244383 and 244384. POLYGONUM SACHALINENSE F. Schmidt ex Maxim. Polygonaceae. **Sacaline.**

From Germany. Presented by the Botanic Garden, Hesse. Received December 6, 1957.

- 244383.** Rhizomes.
244384. Seed.

244385 to 244388. DIOSCOREA QUATERNATA J. F. Gmel. Dioscoreaceae.

From the United States. Seeds collected by E. P. Imle, plant explorer, Plant Introduction Station, Crops Research Division, Beltsville, Md. Received December 6, 1957.

Tyler's Woods, near Powder Mill Road and Cherry Hill Road, near Beltsville, Md. Vines leafless as a result of frosts.

- 244385.** No. 64. **244387.** No. 66.
244386. No. 65. **244388.** No. 67.

244389 to 244393. *SAMBUCUS GLAUCA* Nutt. Caprifoliaceae. **Elder.**

From the United States. Donor unknown.

244389 to 244391. Collected on roadside, John Day, Oregon.

244389. No. 1.

244391. No. 3.

244390. No. 2.

244392 and 244393. Collected on roadside, Pendleton, Oregon.

244392. No. 4.

244393. No. 5.

244394. *PINUS PONDEROSA* Dougl. ex Lawson Pinaceae.

Western yellow pine.

From Mexico. Seeds presented by the Instituto de Investigaciones Forestales, Coyoacan. Received December 6, 1957.

244395. *TURNERA DIFFUSA* Willd. Turneraceae.

From Mexico. Plants growing at the United States Plant Introduction Station, Glenn Dale. Numbered December 9, 1957.

Gentry 16551. San Bernardo, Sonora, May 2, 1957.

Damiana. Bushy perennial to 2 feet high; flowers yellow. Reported to be a tonic and an aphrodisiac.

244396 to 244460.

From Great Britain and Ireland. Cuttings collected by Donald Egolf, National Arboretum, Washington, D.C. Received October 25, 1957.

244396 and 244397. *VIBURNUM ATROCYANEUM* C. B. Clarke Caprifoliaceae.

244396. No. 1236. Royal Botanic Garden, Kew, England.

244397. No. 1267. National Botanic Garden, Dublin, Ireland, K. W. 9198, ex Kingdon-Ward.

244398. *VIBURNUM BETULIFOLIUM* Batal.

No. 1187. Royal Botanic Garden, Edinburgh, Scotland, F 346, ex Forrest.

244399 to 244401. *VIBURNUM BITCHIUENSE* Makino

244399. No. 1193. Royal Botanic Garden, Edinburgh, Scotland.

244400. No. 1221. Royal Botanic Garden, Kew, England.

244401. No. 1246. Royal Horticultural Society Garden, Wisley, England.

244402. *VIBURNUM BRACTEATUM* Rehder

No. 1222. Royal Botanic Garden, Kew, England.

244403. *VIBURNUM BREVIPIES* Rehder

No. 1215. Royal Botanic Garden, Edinburgh, Scotland.

244404. *VIBURNUM* × *BURKWOODII* Burk. & Skipw.

No. 1213. *V. carlesii* × *V. utile*. Royal Botanic Garden, Edinburgh, Scotland.

244405. *VIBURNUM* × *CARLCEPHALUM* Burk. ex Pike

No. 1200. *V. carlesii* × *V. macrocephalum*. Royal Botanic Garden, Edinburgh, Scotland.

244406 and 244407. *VIBURNUM CINNAMOMIFOLIUM* Rehder

244406. No. 1270. National Botanic Garden, Dublin, Ireland. W 963, ex Wilson.

244407. No. 1276. Headford Court, Kells, Meath, Ireland.

244396 to 244460—Continued

- 244408.** *VIBURNUM CONGESTUM* Rehder
No. 1188. Royal Botanic Garden, Edinburgh, Scotland.
- 244409.** *VIBURNUM COTINIFOLIUM* D. Don
No. 1190. Royal Botanic Garden, Edinburgh, Scotland, ex Ludlow & Sherriff 10.
- 244410.** *VIBURNUM CORIACEUM* Blume
No. 1235. Royal Botanic Garden, Kew, England.
- 244411 to 244414.** *VIBURNUM DAVIDII* Franch.
244411. No. 1214. Royal Botanic Garden, Edinburgh, Scotland, W 963, ex Wilson.
244412. No. 1277. Highdown, Goring-by-Sea, Sussex, England.
244413. No. 1320. Royal Botanic Garden, Edinburgh, Scotland.
244414. No. 1211. 'Femina'. Royal Botanic Garden, Edinburgh, Scotland.
- 244415.** *VIBURNUM EROSUM* Thunb.
No. 1244. Royal Horticultural Society Garden, Wisley, England.
- 244416.** *VIBURNUM FOETENS* Decne.
No. 1192. Korean form. Royal Botanic Garden, Edinburgh, Scotland.
- 244417.** *VIBURNUM FRAGRANS* var. *NANUM* Boom
No. 1238. Royal Horticultural Society Garden, Wisley, England.
- 244418 and 244419.** *VIBURNUM HARRYANUM* Rehder
244418. No. 1194. Royal Botanic Garden, Edinburgh, Scotland.
244419. No. 1275. Birr Castle, Birr, Kings, Ireland.
- 244420.** *VIBURNUM HENRYI* Hemsl.
No. 1224. Royal Botanic Garden, Kew, England.
- 244421.** *VIBURNUM JAPONICUM* (Thunb.) Spreng.
No. 1207. Royal Botanic Garden, Edinburgh, Scotland.
- 244422 and 244423.** *VIBURNUM LANTANA* L. **Wayfaring-tree.**
244422. No. 1325. Kenneth Beckett, South Downs, England.
244423. No. 1322. 'Variegatum'. Royal Botanic Garden, Edinburgh, Scotland.
- 244424.** *VIBURNUM RHYTIDOPHYLLUM* Hemsl.
No. 1226. Royal Botanic Garden, Kew, England, ex Wilson 238.
- 244425.** *VIBURNUM STELLULATUM* Wall. ex DC.
No. 1212. Royal Botanic Garden, Edinburgh, Scotland.
- 244426.** *VIBURNUM NERVOSUM* D. Don
No. 1189. Royal Botanic Garden, Edinburgh, Scotland.
- 244427 and 244428.** *VIBURNUM ODORATISSIMUM* Ker-Gawl. **Sweet viburnum.**
244427. No. 1263. Royal Horticultural Society Garden, Wisley, England.
244428. No. 1324. Howth Demense, Howth, Ireland.
- 244429 and 244430.** *VIBURNUM* × *BURKWOODII* Burk. & Skipw.
244429. No. 1202. 'Park Farm'. Royal Botanic Garden, Edinburgh, Scotland.

244396 to 244460—Continued**244429 and 244430—Continued**

244430. No. 1225. 'Park Farm'. Royal Horticultural Society Garden, Wisley, England.

244431. *VIBURNUM PAUCIFLORUM* Raf.

No. 1209. Royal Botanic Garden, Edinburgh, Scotland.

244432. *VIBURNUM PROPINQUUM* Hemsl.

No. 1264. National Botanic Garden, Dublin, Ireland.

244433 and 244434. *VIBURNUM SIEBOLDII* f. *RETICULATUM* Rehder

244433. No. 1185. Royal Botanic Garden, Edinburgh, Scotland.

244434. No. 1231. Royal Botanic Garden, Kew, England.

244435 to 244437. *VIBURNUM RHYTIDOPHYLLUM* Hemsl. **Leatherleaf viburnum.**

244435. No. 1203. 'Aureovariegatum'. Royal Botanic Garden, Edinburgh, Scotland.

244436. No. 1217. Royal Botanic Garden, Edinburgh, Scotland. W 220A, ex Wilson.

244437. No. 1278. Highdown, Goring-by-Sea, Sussex, England. (Wilson original.)

244438. *VIBURNUM RIGIDUM* Vent.

No. 1220. Royal Botanic Garden, Kew, England.

244439. *VIBURNUM SARGENTII* var. *CALVESCENS* Rehder

No. 1197. Royal Botanic Garden, Edinburgh, Scotland, R13485, ex Rock.

244440 and 244441. *VIBURNUM SCHENSIANUM* Maxim.

244440. No. 1210. Royal Botanic Garden, Edinburgh, Scotland.

244441. No. 1237. Royal Botanic Garden, Kew, England.

244442. *VIBURNUM CALVUM* Rehd.

No. 1216. Royal Botanic Garden, Edinburgh, Scotland.

244443. *VIBURNUM SUSPENSUM* Lindl.

No. 1272. Howth Demense, Howth, Ireland.

244444 to 244447. *VIBURNUM TINUS* L.**Laurustinus.**

244444. No. 1279. Highdown, Goring-by-Sea, Sussex, England. Collected in Algiers by Bowles.

244445. No. 1232. 'Hirtulum'. Royal Botanic Garden, Kew, England.

244446. No. 1230. 'Purpureum'. Royal Botanic Garden, Kew, England.

244447. No. 1233. 'Pyramidale'. Royal Botanic Garden, Kew, England.

244448 and 244449. *VIBURNUM PLICATUM* Thunb.**Japanese snowball.**

244448. No. 1249. 'Brockhurst'. Royal Horticultural Society Garden, Wisley, England.

244449. No. 1196. 'Lanant'. Royal Botanic Garden, Edinburgh, Scotland.

244450. *VIBURNUM PLICATUM* f. *MARIESII* (Veitch) Rehd.

No. 1201. Royal Botanic Garden, Edinburgh, Scotland.

244451. *VIBURNUM PARVIFOLIUM* Hayata

No. 1254. 'Parvifolium'. Royal Horticultural Society Garden, Wisley, England.

244396 to 244460—Continued

244452. *VIBURNUM Plicatum* Thunb. **Japanese snowball.**

No. 1313. 'Rowallane'. Royal Horticultural Society Garden, Wisley, England.

244453. *VIBURNUM* sp.

No. 1183. Royal Botanic Garden, Edinburgh, Scotland.

244454. *VIBURNUM* sp.

No. 1184. Royal Botanic Garden, Edinburgh, Scotland.

244455. *VIBURNUM* sp.

No. 1191. Royal Botanic Garden, Edinburgh, Scotland, ex Polumin 55.

244456. *VIBURNUM* sp.

No. 1219. Royal Botanic Garden, Edinburgh, Scotland.

244457. *VIBURNUM* sp.

No. 1227. Royal Botanic Garden, Kew, England ex Chung.

244458. *VIBURNUM* sp.

No. 1234. Royal Botanic Garden, Kew, England ex Chung.

244459. *VIBURNUM* sp.

No. 1269. National Botanic Garden, Dublin, Ireland, W1302-237, ex Wilson.

244460. *VIBURNUM* sp.

No. 1273. Birr Castle, Birr, County Kings, Ireland.

244461 and 244462. *LUPINUS ROTHMALERI* Klingk. Fabaceae.

From Spain. Seeds presented by the Estacion Experimental de Aula Dei, Zaragoza, Spain. Received December 10, 1957.

Collected by P. Silva, Beira Baipa, Portugal, in granite soil.

244461. Red spotted.

244462. White seeded.

244463 to 244484.

From Brazil. Seeds presented by the American Consulate, Porto Alegre. Received December 10, 1957.

244463 to 244483. *AVENA SATIVA* L. Poaceae. **Common oats.**

244463. S.A. 1. **244474.** S.A. 16.

244464. S.A. 2. **244475.** S.A. 18.

244465. S.A. 6. **244476.** S.A. 19.

244466. S.A. 7. **244477.** S.A. 21.

244467. S.A. 9. **244478.** S.A. 22.

244468. S.A. 10. **244479.** S.A. 23.

244469. S.A. 11. **244480.** S.A. 3A.

244470. S.A. 12. **244481.** S.A. 5A.

244471. S.A. 13. **244482.** S.A. 3B.

244472. S.A. 14. **244483.** S.A. 5B.

244473. S.A. 15.

244484. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

H 620-IS.

244485 to 244570.

From Great Britain. Plants collected by Donald Egolf, National Arboretum, Washington, D.C. Received October 31, 1957.

- 244485 and 244486.** *VIBURNUM* × *BODNANTENSE* Aberc. Caprifoliaceae.
244485. No. 1199. Royal Botanic Garden, Edinburgh, Scotland.
244486. No. 1245. Royal Horticultural Society Garden, Wisley, England.
- 244487 to 244489.** *VIBURNUM BETULIFOLIUM* Batal.
244487. No. 1223. Royal Botanic Garden, Kew, England.
244488. No. 1242. Royal Horticultural Society Garden, Wisley, England.
244489. No. 1247. Royal Horticultural Society Garden, Wisley, England.
- 244490 to 244492.** *VIBURNUM BUDDLEIFOLIUM* Wright. **Woolly viburnum.**
244490. No. 1182. Royal Botanic Garden, Edinburgh, Scotland.
244491. No. 1296. Royal Botanic Garden, Kew, England.
244492. No. 1328. John Innes Horticultural Institute Gardens, England.
- 244493 to 244495.** *VIBURNUM* × *BURKWOODII* Burk. & Skipw.
(*V. carlesii* × *V. utile*).
244493. No. 1213. Royal Botanic Garden, Edinburgh, Scotland.
244494. No. 1239. Royal Horticultural Society Garden, Wisley, England.
244495. No. 1302. Royal Botanic Garden, Kew, England.
- 244496.** *VIBURNUM BUREJAETICUM* Regel & Herd. **Manchurian viburnum.**
No. 1291. Royal Botanic Garden, Kew, England.
- 244497.** *VIBURNUM CALVUM* Rehd.
No. 1285. Royal Botanic Garden, Edinburgh, Scotland.
- 244498.** *VIBURNUM CARLESII* Hemsl. **Fragrant viburnum.**
No. 1329. John Innes Horticultural Institute Gardens, England.
- 244499.** *VIBURNUM* × *CHENAULTII* Chenault
No. 1294. Royal Botanic Garden, Kew, England.
- 244500 and 24501.** *VIBURNUM CINNAMOMIFOLIUM* Rehd.
244500. No. 1282. Royal Botanic Garden, Edinburgh, Scotland.
244501. No. 1309. Royal Horticultural Society Garden, Wisley, England.
- 244502.** *VIBURNUM CORIACEUM* Blume
No. 1274. Birr Castle, Birr, County Kings, Ireland.
- 244503 to 244506.** *VIBURNUM DAVIDII* Franch.
244503. No. 1240. Royal Horticultural Society Garden, Wisley, England.
244504. No. 1301. Royal Botanic Garden, Kew, England.
244505. No. 1316. National Botanic Garden, Dublin, Ireland.
244506. No. 1330. John Innes Horticultural Institute Gardens, England.
- 244507 to 244509.** *VIBURNUM DENTATUM* L.
244507. No. 1186. Royal Botanic Garden, Edinburgh, Scotland.
244508. No. 1258. Royal Horticultural Society Garden, Wisley, England.
244509. No. 1306. Royal Horticultural Society Garden, Wisley, England.
- 244510 to 244512.** *VIBURNUM DILATATUM* Thunb. **Linden viburnum.**
244510. No. 1248. Royal Horticultural Society Garden, Wisley, England.
244511. No. 1256. Royal Horticultural Society Garden, Wisley, England.
244512. No. 1327. John Innes Horticultural Institute Gardens, England.

244485 to 244570—Continued

- 244513.** *VIBURNUM FLAVESCENS* W. W. Smith
No. 1305. Royal Horticultural Society Garden, Wisley, England.
- 244514.** *VIBURNUM FOETIDUM* Wall.
No. 1252. Royal Horticultural Society Garden, Wisley, England.
- 244515.** *VIBURNUM FRAGRANS* Bunge.
No. 1317. Highdown, Goring-by-Sea, Sussex, England, ex Farrer 13.
- 244516.** *VIBURNUM GLOMERATUM* Maxim.
No. 1297. Royal Botanic Garden, Kew, England.
- 244517.** *VIBURNUM HANCEANUM* Maxim.
No. 1290. Royal Botanic Garden, Kew, England.
- 244518.** *VIBURNUM HARRYANUM* Rehd.
No. 1314. National Botanic Garden, Dublin, Ireland.
- 244519.** *VIBURNUM HENRYI* Hemsl.
No. 1271. Howth Demense, Howth, Ireland.
- 244520.** *VIBURNUM HUPEHENSE* Rehd **Hupeh viburnum.**
No. 1321. Royal Horticultural Society Garden, Wisley, England
- 244521 and 244522.** *VIBURNUM ICHANGENSE* (Hemsl.) Rehd.
244521. No. 1308. Royal Horticultural Society Garden, Wisley, England.
244522. No. 1319. Birr Castle, Birr, County Kings, Ireland.
- 244523.** *VIBURNUM JAPONICUM* (Thunb.) Spreng.
No. 1289. Royal Botanic Garden, Kew, England.
- 244524 and 244525.** *VIBURNUM* × *JUDDII* Rehd.
(*V. carlesii* × *V. bitchiuense*).
244524. No. 1195. Royal Botanic Garden, Edinburgh, Scotland.
244525. No. 1312. Royal Horticultural Society Garden, Wisley, England.
- 244526 and 244527.** *VIBURNUM LOBOPHYLLUM* Graebn.
244526. No. 1284. Royal Botanic Garden, Edinburgh, Scotland, P14971.
244527. No. 1283. Royal Botanic Garden Edinburgh, Scotland, ex Hers 2781.
- 244528.** *VIBURNUM STELLULATIM* Wall. ex DC.
No. 1212. Royal Botanic Garden, Edinburgh, Scotland.
- 244529.** *VIBURNUM NUDUM* L.
No. 1241. Royal Horticultural Society Garden, Wisley, England.
- 244530.** *VIBURNUM ODORATISSIMUM* Ker-Gawl. **Sweet viburnum.**
No. 1288. Royal Botanic Garden, Kew, England.
- 244531 to 244533.** *VIBURNUM OPULUS* L. **European cranberrybush.**
244531. No. 1310. 'Aureum'. Royal Horticultural Society Garden, Wisley, England.
244532. No. 1251. 'Xanthocarpum'. Royal Horticultural Society Garden, Wisley, England.
244533. No. 1287. 'Xanthocarpum'. Royal Botanic Garden, Edinburgh, Scotland.
- 244534.** *VIBURNUM PAUCIFLORUM* Raf.
No. 1209. Royal Botanic Garden, Edinburgh, Scotland.

244485 to 244570—Continued**244535 to 244537.** *VIBURNUM DENTATUM* L.

244535. No. 1250. 'Pubescens'. Royal Horticultural Society Garden, Wisley, England.

244536. No. 1292. 'Pubescens'. Royal Botanic Garden, Kew, England.

244537. No. 1229. Royal Botanic Garden, Kew, England.

244538 to 244540. *VIBURNUM RHYTIDOPHYLLUM* Hemsl. **Leatherleaf viburnum.**

244538. No. 1205. Royal Botanic Garden, Edinburgh, Scotland.

244539. No. 1226. Royal Botanic Garden, Kew, England, ex Wilson 238.

244540. No. 1259. Royal Horticultural Society Garden, Wisley, England.

244541. *VIBURNUM* × *RHYTIDOPHYLLOIDES* Suringer

No. 1262. Royal Horticultural Society Garden, Wisley, England.

244542 to 244544. *VIBURNUM RHYTIDOPHYLLUM* Hemsl. **Leatherleaf viburnum.**

244542. No. 1299. Royal Botanic Garden, Kew, England.

244543. No. 1228. 'Aldenham'. Royal Botanic Garden, Kew, England.

244544. No. 1204. 'Roseum'. Royal Botanic Garden, Edinburgh, Scotland.

244545 to 244547. *VIBURNUM SARGENTII* Koehne **Sargent cranberrybush.**

244545. No. 1178. Royal Botanic Garden, Edinburgh, Scotland, ex Wilson 281.

244546. No. 1253. Royal Horticultural Society Garden, Wisley, England.

244547. No. 1303. Royal Botanic Garden, Kew, England.

244548. *VIBURNUM CALVUM* Rehd.

No. 1293. Royal Botanic Garden, Kew, England.

244549. *VIBURNUM SETIGERUM* Hance**Tea viburnum.**

No. 1257. Royal Horticultural Society Garden, Wisley, England.

244550. *VIBURNUM SEBOLDII* Miquel**Siebold viburnum**

No. 1255. Royal Horticultural Society Garden, Wisley, England.

244551. *VIBURNUM STELLULATUM* Wall. ex DC.

No. 1265. National Botanic Garden, Dublin, Ireland.

244552 to 244558. *VIBURNUM TINUS* L.**Laurustinus.**

244552. No. 1180. Royal Botanic Garden, Edinburgh, Scotland.

244553. No. 1260. Royal Horticultural Society Garden, Wisley, England.

244554. No. 1179. 'Lucidum'. Royal Botanic Garden, Edinburgh, Scotland.

244555. No. 1198. 'Lucidum'. Royal Botanic Garden, Edinburgh, Scotland.

244556. No. 1300. 'Lucidum'. Royal Botanic Garden, Kew, England.

244557. No. 1295. 'Variegatum'. Royal Botanic Garden, Kew, England.

244558. No. 1181. 'Variegatum'. Royal Botanic Garden, Edinburgh, Scotland.

244559 and 244560. *VIBURNUM PLICATUM* Thunb.**Japanese snowball.**

244559. No. 1268. 'Tomentosum'. National Botanic Garden, Dublin, Ireland, ex Wilson W231A.

244560. No. 1243. 'Tomentosum'. Royal Horticultural Society Garden, Wisley, England.

244485 to 244570—Continued**244561.** *VIBURNUM TRILOBUM* Marsh.

No. 1311. Royal Horticultural Society Garden, Wisley, England.

244562 and 244563. *VIBURNUM UTILE* Hemsl. **Service viburnum.****244562.** No. 1218. Royal Botanic Garden, Edinburgh, Scotland.**244563.** No. 1298. Royal Botanic Garden, Kew, England.**244564.** *VIBURNUM VEITCHII* C. H. Wright **Veitch viburnum.**

No. 1266. National Botanic Garden, Dublin, Ireland ex Wilson W1288.

244565. *VIBURNUM VILLOSUM* Sw.

No. 1280. National Botanic Garden, Dublin, Ireland.

244566. *VIBURNUM WRIGHTII* Miquel **Wright viburnum.**

No. 1307. Royal Horticultural Society Garden, Wisley, England.

244567. *VIBURNUM* sp.

No. 1206. Royal Botanic Garden, Edinburgh, Scotland, ex Yii 15064.

244568. *VIBURNUM* sp.

No. 1208. Royal Botanic Garden, Edinburgh, Scotland, ex Rock W15898.

244569. *VIBURNUM DAVIDII* Franch.

No. 1286. Royal Botanic Garden, Edinburgh, Scotland.

244570. *VIBURNUM* sp.

No. 1326. John Innes Horticultural Institute Gardens, England.

244571. *VIGNA SINENSIS* (Torner) Savi Fabaceae. **Cowpea.**

From Guatemala. Seeds presented by the United States Operations Mission, Guatemala City. Received December 12, 1957.

'Tiquisate'. Local strain. Used as green manure. Has rapid growth habit and general freedom from insects and diseases.

244572. *LUPINUS ALBUS* L. Fabaceae. **White lupine.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received December 12, 1957.

Collected in Irati, Parana.

244573. *RICINIUS COMMUNS* L. Euphorbiaceae. **Castorbean.**

From Brazil. Seeds presented by the American Consulate General, Sao Paulo. Received December 16, 1957.

Ana IA-38.

244574. *CITRUS RETICULATA* Blanco Rutaceae. **Mandarin orange.**

From China. Seeds presented by the Department of Horticulture, Agricultural Research Institute, Taipei, Taiwan. Received December 16, 1957.

'Ponkan'.

244575 to 244577. *FRAGARIA VESCA* L. Rosaceae. **European strawberry.**

From Great Britain. Plants presented by R. J. Ruck, Carneddi, Beddgelert, Caernarvon, Wales. Received December 19, 1957.

Propagated in natural isolation for the Nuclear Stock Association, London, England.

244575. 'Cambridge Vigour'.**244576.** 'Early Cambridge'.**244577.** 'Talisman'.

244578. ANEMONE sp. Ranunculaceae.

From Great Britain. Seeds presented by C. Newberry, Bulbs Green, Knebwarth, Herts, England. Received December 13, 1957.

'White Creagh Castle'.

244579 to 244600.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria, Transvaal. Received December 13, 1957.

244579. CROTALARIA ANTHYLLOPSIS Welw. Fabaceae.

Originally from Southern Rhodesia.

244580. CROTALARIA BROWNEI Bert.

Originally from Australia.

244581. CROTALARIA GAZENSIS E. G. Baker

Originally from Southern Rhodesia.

244582. CROTALARIA GRAHAMIANA Wight & Arn.

Originally from Australia.

244583. CROTALARIA INCANA L.

244584 to 244587. CROTALARIA INTERMEDIA Kotschy **Slenderleaf crotalaria.**

244584. No. 1.

244585. No. 2. From South Africa.

244586. No. 3. Originally from Australia.

244587. No. 4. 'Gunson'. Gunson's Seed Firm. (Local).

244588. CROTALARIA LACHNOCARPA Hochst.

Originally from Southern Rhodesia.

244589. CROTALARIA LANCEOLATA E. Mey.

Lance crotalaria.

Originally from Australia.

244590 and 244591. CROTALARIA MUCRONATA Desv.

Striped crotalaria.

244590. From Paraguay.

244591. From Congo.

244592. CROTALARIA MYSORENSIS Roth

Originally from Southern Rhodesia.

244593. CROTALARIA PAULINA Schrank.

244594. CROTALARIA RECTA A. Rich.

244595. CROTALARIA RHODESIAE E. G. Baker

Originally from Southern Rhodesia.

244596. CROTALARIA SPECIOSA Heyne

Originally from Southern Rhodesia.

244597. CROTALARIA SPECTABILIS Roth

244598. CROTALARIA USARAMOENSIS Baker f.

244599. CROTALARIA VERRUCOSA L.

244600. CROTALARIA INCANA L.

244601 to 244609. ARACHIS HYPOGAEA L. Favaceae. Peanut.

From Tanganyika. Seeds presented by the Director of Agriculture, Dar es Salaam. Received December 16, 1957.

Selections that show resistance to *Cercospora* spp.

- | | |
|----------------------------------|--|
| 244601. 'Kanyoma'. | 244606. 'Mwitunde II'. |
| 244602. 'Kongwa Runner'. | 244607. 'Mwitunde'. (Unselected.) |
| 244603. 'Kutambaa'. | 244608. 'Samaru'. |
| 244604. 'Maloya Tunduru'. | 244609. 'Wima'. |
| 244605. 'Matevere'. | |

244610 to 244612.

From Kenya. Seeds presented by R. J. Godbey, Kendall, Florida. Received December 16, 1957.

- 244610.** BRACHYCHITON POPULNEUS R. Br. Sterculiaceae. **Black kurrajong.**
244611. FICUS MALLATOCARPA Warb. Moraceae.
244612. ONCOBA ROUTLEDGEI Sprague Flacourtiaceae.

244613 to 244617.

From Nigeria. Seeds presented by F. R. Irvine, Pendle Hill, Wallingford. Received December 16, 1957.

- 244613.** BRACHYSTEGIA EURYCOMA Harms Caesalpiniaceae.

A large tree; wood is a possible substitute for mahogany; the seed are used as a soup thickening.

- 244614.** PENTACLETHRA MACROPHYLLA Benth. Mimosaceae.

Tree produces pods to 18 inches long; seeds yield to 45 percent oil and are rich in protein, exceeded only by *Glycine max* and *Vicia faba*, but are poor in starch; beans are commonly eaten after roasting but used more as a condiment than as a staple food; oil used in soups, for candles, and for lubrication.

- 244615 to 244617.** SPHENOSTYLIS STENOCARPA (Hochst.) Harms Fabaceae.

244615 and 244616. Grown by the Ibo tribe.

244615. Seeds brown.

244616. Seeds white.

244617. Grown by the Ibibio tribe. Seed black.

244618 to 244622. CHRYSANTHEMUM (hybrids). Asteraceae.

From China. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered December 17, 1957.

Originally received January 16, 1957, from R. E. Baker, United States Operations Mission, Taipei, Taiwan.

- 244618.** No. 10. 'Happy God'. Flowers deep red.
244619. No. 11. 'Taiwan'. Flowers white.
244620. No. 20. 'Imperial Pavilion'. Flowers red.
244621. No. 21. 'Autumn of Taiwan'. Flowers yellow.
244622. No. 25. 'Wongsi Lion'. Flowers multicolored.

244623 to 244638.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received December 17, 1957.

- 244623.** NICOTIANA INGULBA J. M. Black Solanaceae.
 T.S. No. 123.

244623 to 244638—Continued**244624 to 244628.** *NICOTIANA STENOCARPA* Wheeler**244624.** T.S. No. 178. **244627.** T.S. No. 217.**244625.** T.S. No. 185. **244628.** T.S. No. 221.**244626.** T.S. No. 189.**244629 to 244634.** *NICOTIANA VELUTINA* Wheeler**244629.** T.S. No. 107. **244632.** T.S. No. 149.**244630.** T.S. No. 112A. **244633.** T.S. No. 151.**244631.** T.S. No. 141. **244634.** T.S. No. 152.**244635.** *NICOTIANA INGULBA* J. M. Black
T. S. No. 155.**244636.** *NICOTIANA INGULBA* J. M. Black
T. S. No. 156.**244637.** *NICOTIANA STENOCARPA* Wheeler
T. S. No. 174.**244638.** *NICOTIANA VELUTINA* Wheeler
T. S. No. 288.**244639.** *STACHYS SIEBOLDII* Miquel Menthaceae. **Chorogi.**From Japan. Tubers presented by the Hokkaido University, Sapporo, Hokkaido.
Received December 17, 1957.**244640 to 244659.**From Great Britain. Plants presented by Waithman Nurseries, Silverdale
Carnforth, Lancaster, England. Received December 18, 1957.**244640.** *ABIES BALSAMEA* (L.) Mill. Pinaceae. **Balsam fir.**
'Nana'.**244641 and 244642.** *CRYPTOMERIA JAPONICA* (L. f.) D. Don Pinaceae.**244641.** 'Knaptonensis'.**244642.** 'Nana Alba Spicata'.**244643 and 244644.** *CHAMAECYPARIS LAWSONIANA* (Murr.) Parl. Pinaceae.
Lawson falsecypress.**244643.** 'Ellwoodii'.**244644.** 'Gimbornii'.**244645 and 244646.** *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl.
Hinoki falsecypress.**244645.** 'Juniperoides Compacta'.**244646.** 'Kosteri'.**244647 to 244650.** *CHAMAECYPARIS PISIFERA* (Sieb. & Zucc.) Endl.
Sawara retinospora.**244647.** 'Compacta'. **244649.** Rogersii'.**244648.** 'Plumosa Aurea Nana'. **244650.** 'Squarrosa Argentea'.**244651.** *CYTISUS ARDOINII* Fourn. Fabaceae.**244652.** *DAPHNE ARBUSCULA* Celak. Thymelaeaceae.**244653.** *ILEX CRENATA* var. *NUMMULARIA* Fr. & Sav. Aquifoliaceae. **Holly.****244654.** *POTENTILLA FRUTICOSA* L. Rosaceae. **Shrubby cinquefoil.**
'Beesii'.

244640 to 244659—Continued

244655 and 244656. *THUJA OCCIDENTALIS* L. Pinaceae.

244655. 'Hillieri'.

244656. 'Rheingold'.

244657 and 244658. *THUJA ORIENTALIS* L. Oriental arborvitae.

244657. 'Juniperoides'.

244658. 'Meldensis'.

244659. *THUJA PLICATA* D. Don

'Aurea Rogersii'.

244660 and 244661. *COFFEA ARABICA* L. Rubiaceae. Arabian coffee.

From El Salvador. Seeds presented by the Instituto Salvadoreno de Investigaciones del Cafe, Santa Tecla. Received December 18, 1957.

244660. SL 28—No. 57110.

244661. SL 34—No. 57111.

244662 to 244680.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received December 19, 1957.

244662. *ARTHRAOXON* sp. Poaceae.

I. W. 1190.

244663 and 244664. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Cauliflower.

244663. Early.

244664. Late.

244665 and 244666. *EULALIOPSIS BINATA* (Retz.) C. E. Hubb. Poaceae.

244665. No. 1.

244666. I. W. 1191.

244667 to 244670. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.

244667. N.P. 34.

244669. N.P. 51.

244688. N.P. 41.

244670. N.P.U. 6A.

244671. *HORDEUM* sp. Poaceae.

244672. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

244673. *MEDICAGO OBSCURA* Retz. Fabaceae.

244674. *MEDICAGO SATIVA* var. *GLUTINOSA* (Bieb.) Urban

Alfalfa.

244675 and 244676. *PASPALUM SCROBICULATUM* L. Poaceae.

244675. 694-1 (I.C. 5165)

244676. 80-2 (I.C. 5166)

244677. *TRIFOLIUM BALANSAE* Boiss. Fabaceae.

Clover.

244678. *TRIFOLIUM GLOBOSUM* L.

244679. *TRIFOLIUM ISTHMOCARPUM* Brot.

244680. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

244681 to 244684. *ORYZA SATIVA* L. Poaceae.

Rice.

From Cuba. Seeds presented by the Lone Star Farm, Cienfuegos. Received December 20, 1957.

244681. A.

244683. P.

244682. B.

244684. 'Dima.'

244685 to 244687.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered December 23, 1957.

Presented by the Missouri Botanic Garden, St. Louis, Missouri.

244685. *HEDERA HELIX* L. Araliaceae. **English ivy.**

'Bulgaria'. Collected by E. Anderson near Rila Monastery, Bulgaria. A juvenile form.

244686 and 244687. *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**

244686. 'Balkan'. (Female.) From central Bosnia, Yugoslavia.

Woods above Serajevo, elevation 1,000 feet. A Balkan form originally sent in by Edgar Anderson.

244687. 'Balkan'. (Male.) From central Bosnia, Yugoslavia.

244688 and 244689.

From France. Seeds presented by the Ministère de l'Agriculture, Antibes. Received December 26, 1957.

244688. *RUSCUS* sp. Convallariaceae.

244689. *VERONICA BALDWINII* Torr. Scrophulariaceae.

244690. *RUSCUS ACULEATUS* L. Convallariaceae. **Butcher's-broom.**

From Italy. Seeds presented by the Amministrazione Borromeo, Milan. Received December 26, 1957.

244691 and 244692.

From the United States. Seeds presented by the California State Department of Agriculture, Forestville, Sonoma County, California. Received December 26, 1957.

244691. *ANGELICA ARGUTA* Nutt. Apiaceae.

No. 391-57.

244692. *ANGELICA TOMENTOSA* S. Wats.

No. 406-57.

244693 and 244694. *LITCHI CHINENSIS* Sonner Sapindaceae.

Lychee.

From China. Trees presented by Yuan-ping Hung, Pintung, Taiwan. Received December 26, 1957.

244693. 'Black Leaf'.

244694. 'Kwie-Way'.

244695 to 244701.

From France. Seeds presented by the Jardin Botanique, Nancy. Received December 26, 1957.

244695. *ANGELICA HETEROCARPA* Lloyd Apiaceae.

244696. *CARTHAMUS LANATUS* L. Asteraceae.

244697. *EUPHORBIA PEPLIS* L. Euphorbiaceae.

244698. *EUPHORBIA PLATYPHYLLOS* L.

244699. *MERCURIALIS ANNUA* L. Euphorbiaceae.

244700. *SYMPHYTUM* sp. Boraginaceae.

244701. *TETRAGONLOBUS REQUIENII* (Mauri) Fisch. Fabaceae.

244702 to 244707.

From Brazil. Plants growing at the Regional Plant Introduction Station, Experiment, Georgia. Numbered December 26, 1957.

Selections made by Dr. Olympio D. Toledo Prado, Instituto Agronomico, Campinas, Sao Paulo.

244702 to 244704. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. **Squash.**

244702. G. 2628. 'Moranga'. Fruits flattened; orange.

244703. G. 2629. 'Verde 610 Moganga'. Fruits cylindrical, green.

244704. G. 2630. 'Ovo de Ganzo 619 Moganga'. Fruits the size of small 'Table Queen'; buff. Quality good.

244705 to 244707. *CUCURBITA MOSCHATA* Duchesne **Cushaw.**

244705. G-2631. 'Menina Amarela 724'. Fruits large, crookneck, buff.

244706. G-2632. 'Paca 595'. Fruits large, oval, green mottled with orange.

244707. G-2633. 'Tatur'. Fruits oval; buff.

244708 to 244716.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered December 26, 1957.

Localities given are original sources of material.

244708. *ALLIUM CEPA* L. Liliaceae. **Common onion.**

G-2227. 'Owen Button'. From Fulton, N.Y., called 'Mother's Button' around Fulton.

244709. *ALLIUM PORRUM* L. **Leek.**

G-2483. 'Italian Leek'. Grown by Italian-Americans near Painted Post, N.Y.

244710 to 244712. *ALLIUM SATIVUM* L. **Garlic.**

244710. G-6100. 'Egyptain Garlic'. From Seabrook, N.H.

244711. G-6563. 'Perennial Garlic'. From Fort Worth, Texas.

244712. G-6564. 'Oriental Garlic'. From a California seed firm.

244713. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon**

G-6611. 'Mango Melon Chito'. Found in a seed packet of 'Surecrop' from Hart Seed Co., Wethersfield, Conn. Flesh firm, sweet.

244714. *CUCUMIS MELO* var. *INODORUS* Naudin

G-5619. 'Turkish Honeydew'. From Turkey. Fruits 8 by 7 inches diameter; rind orange and green; flesh orange and white. Free from wilt and mosaic.

244715. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

G-2272. 'Black Mexican'. From Cornwall, England, but originally from Mexico. Bush to half runner type.

244716. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**

G-2629. A nearly prostrate form introduced from Turkey with seeds of *Capsicum frutescens* in 1949. Fruits oblong ovate, to 6 inches long, purple turning dull brown.

244717 to 244721.

From Great Britain. Seeds presented by F. J. Williams, St. Austell, Cornwall, England. Received December 27, 1957.

244717. *ILEX SIKKIMENSIS* Kurz. Aquifoliaceae. **Holly.**
Originally from China.

244718. *ILEX INSIGNIS* Hook. f.
No. 27767.

244719. *PHOTINIA* sp. Malaceae.
Originally from China.

244720. *HARTIA SINENSIS* Dunn. Theaceae.
No. 24406. Shrub to 20 feet high; flowers creamy white.

244721. *CAMELLIA RETICULATA* Lindl. Theaceae. **Netvein camellia.**
Wild form. Originally from S. W. China.

244722. *ZIZANIA LATIFOLIA* (Griseb.) Stapf Poaceae. **Wild rice.**

From Japan. Seeds presented by the Gifu University, Gifu. Received December 27, 1957.

Collected from wild plants in the stream near the University.

244723 to 244726. *MALUS SYLVESTRIS* Mill. Malaceae.**Common apple.**

From Spain. Trees and scions presented by the Estacion Pomologica Villaviciosa, Asturias. Received December 27, 1957.

Tree medium size, vigorous, heavy producer; fruit flattened with the calyx cavity characteristic of the Carapono, red and yellow-orange.

244723. 'Carapono'. **244725.** 'Solafuente'.

244724. 'Mingan'. **244726.** 'Vigneole de Monton'.

244727. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Cuba. Seeds presented by an unknown donor, Jobabo. Received December 30, 1957.

'Experanza'.

244728 to 244732.

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received December 30, 1957.

244728 to 244730. *CORCHORUS CAPSULARIS* L. Tiliaceae. **Jute.**

244728. 'Huwei Green Bark No. 7'.

244729. 'Shui-shang Green Bark'.

244730. 'Taichung Special No. 1'.

244731. *HIBISCUS MUTABILIS* L. Malvaceae.

244732. *HIBISCUS* sp.

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