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CURRENT SERIAL RECORD

JUN 28 1957



U. S. DEPARTMENT OF AGRICULTURE



# Plant Inventory No. 159

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D. C., April 1957

## PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1951 (NOS. 193291 TO 198914)

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This inventory, No. 159, lists the plant material (Nos. 193291 to 198914) received by the Plant Introduction Section, Horticultural Crops Research Branch, Agricultural Research Service, during the period from January 1 to December 31, 1951. It is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution. This unit prior to 1954 was known as the Division of Plant Exploration and Introduction, Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, United States Department of Agriculture.

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*Plant Industry Station,  
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## I N V E N T O R Y

### 193291 to 193295.

From Yugoslavia. Seeds presented by Dr. Alois Tavcar, Agricultural Institute, Zagreb. Received Jan. 2, 1951.

193291. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

193292. *MELILOTUS ALBA* Desr. Fabaceae. White sweetclover.

192293. *TRIFOLIUM INCARNATUM* L. Fabaceae. Crimson clover.

193294 and 193295. *TRIFOLIUM PRATENSE* L. Red clover.

193294. *I.*

193295. *II.*

### 193296. CITRUS. Rutaceae.

From Ceylon. Cuttings presented by the Director of Agriculture, Peradeniya. Received Jan. 2, 1951.

*Bibile.* Seedless sweet orange.

### 193297 to 193300. SACCHARUM. Poaceae. Sugarcane.

From Colombia. Cuttings presented by the Agricultural Experiment Station, Palmira, Valle. Received Jan. 2, 1951.

193297. *EPC 38-151.* 193299. *EPC 38-167.*

193298. *EPC 38-157.* 193300. *EPC 38-304.*

### 193301 to 193303. GOSSYPIUM. Malvaceae. Cotton.

From Brazil. Seeds presented by the Agricultural Institute, Campinas, São Paulo. Received Jan. 3, 1951.

193301. *I. A. Campinas 817.*

193302. *I. A. 7111-028.*

193303. *I. A. 7387.*

### 193304 to 193309. VITIS VINIFERA L. Vitaceae. European grape.

From Belgium. Cuttings presented by the Ministry of Agriculture, Brussels. Received Jan. 4, 1951.

193304. *Cannon Hall.* 193307. *L. III.*

193305. *Frankenthol.* 193308. *Muscat Alexanderie.*

193306. *Gros Colman Noir.* 193309. *Royal E.*

### 193310. MELILOTUS NEAPOLITANA Ten. Fabaceae. Sweetclover.

From the Netherlands. Seeds presented by the Botanical Garden, Leiden. Received Jan. 4, 1951.

### 193311 to 193321. SACCHARUM. Poaceae. Sugarcane.

From Colombia. Cuttings presented by an unknown donor, Calle. Received Jan. 12, 1951.

193311. *EPC 37 (24) × EPC 38.151.* 193317. *EPC 37 (24) × EPC 38.157.*

193312. *MC 103/37 × EPC 38.151.* 193318. *EPC 37 (24) × Pasoeroean.*

193313. *EPC 47 (22) × EPC 38.304.* 193319. *EPC 4722 × Pasoeroean.*

193314. *UBA × EPC 38.304.* 193320. *POJ 2725 × Pasoeroean.*

193315. *MC 103/37 × EPC 38.304.* 193321. *MC 103/37 × Pasoeroean.*

193316. *EPC 37 (24) × EPC 38.304.*

**193322 to 193336. EHRHARTA spp. Poaceae.**

From the Union of South Africa. Seeds collected by L. C. C. Liebenberg, South African Department of Agriculture, Pretoria, Transvaal. Received Jan. 5, 1951.

Collected in Cape Province.

**193322 to 193332. EHRHARTA CALYCINA J. E. Smith. Perennial veldtgrass.**

- |  |  |
|--|--|
| <b>193322.</b> Victoria.                         | <b>193327.</b> De Wet Station.         |
| <b>193323.</b> Riversdale.                       | <b>193328.</b> Citrusdal.              |
| <b>193324.</b> Darling.                          | <b>193329.</b> Mitchell's Pass, Ceres. |
| <b>193325.</b> Oakdale School, Riversdale.       | <b>193330.</b> Piketberg.              |
| <b>193326.</b> Botha's Halt, Worcester District. | <b>193331.</b> Stellenbosch.           |
|  | <b>193332.</b> Paarl-Malmesbury Road.  |

**193333. EHRHARTA sp.**

Hek River, Worcester.

**193334. EHRHARTA sp.**

Worcester.

**193335. EHRHARTA sp.**

George.

**193336. EHRHARTA ERECTA Lam.**

Knysna.

**193337. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.**

From Canada. Seeds presented by the Alberta Seed Growers Association, Edmonton, Alberta. Received Jan. 8, 1951.

*Canadian Common.*

**193338 to 193347. VIGNA SINENSIS (Torner) Savi. Fabaceae.**

**Cowpea.**

From the Union of South Africa. Seeds obtained through the American Embassy, Pretoria, Transvaal. Received Jan. 8, 1951.

- |                       |                        |
|-----------------------|------------------------|
| <b>193338.</b> No. 1. | <b>193343.</b> No. 6.  |
| <b>193339.</b> No. 2. | <b>193344.</b> No. 7.  |
| <b>193340.</b> No. 3. | <b>193345.</b> No. 8.  |
| <b>193341.</b> No. 4. | <b>193346.</b> No. 9.  |
| <b>193342.</b> No. 5. | <b>193347.</b> No. 10. |

**193348. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.**

From Canada. Seeds presented by the Briggs Seed Company, Toronto. Received Jan. 9, 1951.

*Canadian Common.*

**193349 to 193351. SANSEVIERIA spp. Liliaceae.**

From Kenya. Seeds presented by Peter R. O. Bally, Coryndon Museum, Nairobi. Received Jan. 9, 1951.

- 193349.** SANSEVIERIA SINGULARIS N.E. Br.  
**193350.** SANSEVIERIA sp.  
**193351.** SANSEVIERIA sp.

**193352. CALOPHYLLUM INOPHYLLUM L. Clusiaceae.**

From Guam. Seeds presented by F. B. Leon Guerrero, Washington, D. C. Received Jan. 10, 1951.

**193353. VERATRUM VIRIDE Ait. Liliaceae.**

From Maine. Seeds presented by Herbert L. Hobbs, Springvale. Received Jan. 11, 1951.

Originally from North Jay, Maine.

**193354. PRUNUS PERSICA (L.) Batsch. Amygdalaceae. Peach.**

From Ethiopia. Seeds presented by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 15, 1951.

From Haramai.

**193355 and 193356. ALLIUM spp. Liliaceae.**

From Ethiopia. Bulbs collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 11, 1951.

From the market, Addis Ababa. Oct. 11, 1950.

193355. ALLIUM SATIVUM L.

Garlic.

No. I 8560.

193356. ALLIUM CEPA L.

Onion.

No. I 8566. A red onion.

**193357. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

From Australia. Seeds presented by N. S. Shirlow, Department of Agriculture, Sydney, New South Wales. Received Jan. 11, 1951.

*Tatinter.*

**193358 to 193375.**

From the United States. Seeds collected by H. S. Gentry and E. C. Ogden, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 11, 1951.

Collected in 1950.

193358. AGAVE GRACILIPES Trcl. Amaryllidaceae.

No. 9901. Guadalupe Mountains, Tex. Oct. 26.

193359. AGAVE LECHEGULLA Torr.

No. 9881. Rio Pecos, Tex. Oct. 20.

193360 and 193361. AGAVE PARRYI Engelm.

193360. No. 9884. Davis Mountains, Tex. Oct. 25.

193361. No. 10019. Seneca, Ariz. Dec. 4.

193362. AGAVE PARVIFLORA Torr.

No. 10031. Ruby, Ariz. Dec. 19.

193363 and 193364. AGAVE SCHOTTII Engelm.

193363. No. 10030. Catalina Mountains, Ariz. Dec. 19.

193364. No. 10018. Peloncillo Mountains, Ariz. Dec. 4.

193365. AGAVE sp.

No. 9950. Harquahala Mountains, Ariz. Nov. 14.

193366. AGAVE UTAHENSIS Engelm.

No. 9969. 32 miles east of Kingman, Ariz. Nov. 17.

193367. DASYLIRION sp. Liliaceae.

No. 9871. From near Comstock, Tex. Oct. 20.

**193358 to 193375.**—Continued

**193368 and 193369.** *DASYLIRION WHEELERI* S. Wats.

193368. No. 9929. From Sonoita, Ariz. Nov. 5.

193369. No. 10013. From the southern end of the Pyramid Mountains, N. Mex. Dec. 2.

**193370.** *ENCELIA FRUTESCENS* A. Gray. Asteraceae.

No. 9999. From the Salt River Gorge, Ariz. Dec. 1.

**193371.** *HELIANTHUS* sp. Asteraceae.

No. 9851. From near Riviera, Tex. Oct. 17.

**193372.** *HESPERALOE FUNIFERA* Trel. Liliaceae.

No. 10029. From Baboquivari, Ariz. Dec. 19.

**193373.** *NOLINA BIGELOVII* (Torr.) S. Wats. Liliaceae.

No. 9959. From 11 miles north of Alamo, Tex. Nov. 14.

**193374.** *YUCCA* sp. Liliaceae.

No. 9870. From Comstock, Tex. Oct. 20.

**193375.** (Undetermined.)

No. 9857. From Riviera, Tex. Oct. 17.

**193376 and 193377.** *GIRARDINIA PALMATA* Gaud. Urticaceae.

From India. Seeds presented by Ramdatt Chilkoti, Pithoragarh, United Provinces. Received Jan. 11, 1951.

193376. A.

193377. B.

**193378 and 193379.** *CITRUS* spp. Rutaceae.

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 12, 1951.

193378. *CITRUS RETICULATA* Blanco.

**Mandarin orange.**

Market, Diredawa. A cultivated tangerine. October 1950.

193379. *CITRUS SINENSIS* (L.) Osbeck.

**Orange.**

Market, Haramai. October 1950.

**193380 and 193381.** *ZOYSIA JAPONICA* Steud. Poaceae.

From Japan. Seeds obtained from Yokohama through Albert Sander, San Francisco, Calif. Received Jan. 15, 1951.

193380. *No-Shiba*. 1949 crop.

193381. *No-Shiba*. 1950 crop.

**193382 to 193391.** *TRITICUM AESTIVUM* L. Poaceae.

**Common wheat.**

From Pakistan and Syria. Seeds collected by S. S. Easter, Food and Agriculture Organization, United Nations. Received Jan. 15, 1951.

193382 to 193389. From Pakistan.

193382. Baluchistan.

193383. Bahawalpur State.

193384. Punjab.

193385. Sakrand Experiment Station, Sakrand.

## 193382 to 193391.—Continued

193382 to 193389.—Continued

193386. Baluchistan.

193387. Bahawalpur State.

193388. Punjab.

193389. Sakrand Experiment Station, Sakrand.

193390. South of Damascus, Horan District, Syria.

193391. Aleppo District, Syria.

## 193392 to 193394. MELILOTUS spp. Fabaceae. Sweetclover.

From Malta. Seeds presented by Charles Penza, Floriana. Received Jan. 15, 1951.

193392. MELILOTUS ELEGANS Salzm.

193393. MELILOTUS ITALICA (L.) Lam.

193394. MELILOTUS MESSANENSIS (L.) All.

## 193395. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

From England. Seeds presented by the Ministry of Agriculture, London. Received Jan. 15, 1951.

*Suffolk Broad.*

## 193396. HORDEUM VULGARE L. Poaceae. Common barley.

From Finland. Seeds presented by the Keskusosuusliike Hankkija, Helsinki. Received Jan. 16, 1951.

## 193397 and 193398. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

From Canada. Seeds presented by the Central Experimental Farm, Ottawa. Received Jan. 16, 1951.

193397. *Manhardy.*193398. *Ottawa.*

## 193399 to 193422. LYCOPERSICON spp. Solanaceae.

From Ohio. Breeding stocks held at the Agricultural Experiment Station, Wooster. Numbered Jan. 16, 1951.

193399 to 193405. LYCOPERSICON ESCULENTUM Mill. Tomato.

193399. *Mac A 706.* 193403. *Mac A 3213.*193400. *Mac A 741.* 193404. *Lesley 597.*193401. *Mac A 804.* 193405. *Lesley 698.*193402. *Mac A 902.*

193406. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill.

*Lesley 992.*

193407. LYCOPERSICON ESCULENTUM Mill. Tomato.

*Lesley 1040.*

193408. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill.

4n seeds from Purdue.

193409 to 193421. LYCOPERSICON ESCULENTUM Mill. Tomato.

193409. *Lind 2391-2.* 193411. *Lind 2393-5.*193410. *Lind 2392-2.* 193412. *Lind 2394-2.*

## 193399 to 193422.—Continued

## 193409 to 193421.—Continued

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| 193413. <i>Lesley's dn T 160D.</i> | 193418. <i>P. A. Young T 738.</i>   |
| 193414. <i>Lesley's dn T 160D.</i> | 193419. <i>P. A. Young G 1074a.</i> |
| 193415. <i>Pennorange E 160A.</i>  | 193420. <i>P. A. Young Y 1105.</i>  |
| 193416. <i>P. A. Young T 328.</i>  | 193421. <i>P. A. Young G 1112.</i>  |
| 193417. <i>P. A. Young T 560.</i>  |                                     |

## 193422. LYCOPERSICON.

*Michigan State Forcing* × *Lycopersicon peruvianum* (P.I. 128657).  
Hybrid made by Paul Smith, University of California, Davis, Calif. Culture of embryos.

193423 to 193438. ZEA MAYS L. Poaceae. Corn.

From Israel. Seeds presented by A. Shlomi, Government Agricultural Experiment Station, Neveh-Yaar, Haifa. Received Jan. 16, 1951.

193423. Cherkas O. P.  
 193424. Hungary M. O. P. Late yellow dent.  
 193425. Hungary M. O. P. Late yellow dent.  
 193426. Hungary M. O. P. *Mendszent Puszta 09.* Yellow dent.  
 193427. Hungary M. O. P. *Pettend 07.* Yellow dent.  
 193428. Hungary M. O. P. "F" 06. Yellow dent.  
 193429. Hungary M. O. P. *Precoce de Baukut 02.* Yellow dent.  
 193430. Hungary M. O. P. *Pusyajakajmad 08.* Yellow dent.  
 193431. Hungary M. O. P. *Majloth 04.*  
 193432. Hungary M. O. P. *Mesterhazy 010.*  
 193433. Rumania O. P. *Ciocantin.*  
 193434. Rumania O. P. *De Arios.*  
 193435. Rumania O. P. Flint corn.  
 193436. Rumania O. P. *Saulescu.* (Hybrid.)  
 193437. Rumania O. P. *Portacaliu.* (Orange.)  
 193438. Rumania M. O. P. *I.C.A.R. 54.*

## 193439. ASTREBLA LAPPACEA (Lindl.) Domin. Poaceae.

From Australia. Seeds presented by the University of Sydney, Sydney, New South Wales. Received Jan. 17, 1951.

193440. FRAGARIA. Rosaceae. Strawberry.

From England. Plants presented by the Society of Brothers, Bromdon, Shropshire. Received Jan. 17, 1951.

## 193441. STROPHANTHUS EMINII Aschers. &amp; Pax. Apocynaceae.

From Kenya. Seeds presented by P. J. Greenway, East African Herbarium, Nairobi. Received Jan. 18, 1951.

## 193442 and 193443. SANSEVIERIA spp. Liliaceae.

From Ethiopia. Suckers collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 18, 1951.

Diredawa. Oct. 28, 1950.

**193442 and 193443.—Continued**193442. *SANSEVIERIA* sp.

No. 8678.

193443. *SANSEVIERIA* sp.

No. 8679.

**193444 and 193445.**

From Australia. Seeds presented by A. M. Stewart, University of Western Australia, Perth, Western Australia. Received Jan. 23, 1951.

193444. *CENCHRUS SETIGERUS* Vahl. Poaceae.*Birdwood Grass.*193445. *PENNISETUM CILIARE* (L.) Link. Poaceae.

Buffelgrass.

**193446. VELLOZIA PHANTASMAGORICA R. E. Schultes. Velloziaceae.**

From Colombia. Seeds collected by Richard E. Schultes, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 23, 1951.

Sandstone Mountains, San José del Guaviare, Vaupés.

**193447 and 193448. AVENA SATIVA L. Poaceae.**

Oats.

From Scotland. Seeds presented by the Scottish Society for Research in Plant Breeding. Received Jan. 23, 1951.

193447. *Craigs Afterlea.*193448. *Rothenburger.***193449. YUCCA GLORIOSA L. Liliaceae.**

From Georgia. Plants growing at the United States Plant Introduction Garden, Savannah. Numbered Jan. 24, 1951.

Collected by Dr. Wilbur H. Duncan on Tybee Island, Chatham County, Ga.

**193450 to 193658.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 18, 1951.

Collected in 1950 from the market in Addis Ababa, except where otherwise noted.

193450 and 193451. *ALLIUM PORRUM* L. Liliaceae.

Leek.

193450. No. 8516. *Elefant.*193451. No. 8529. *Winter.*193452. *ALTHAEA ROSEA* (L.) Cav. Malvaceae.

Hollyhock.

No. 8514.

193453. *ANETHUM GRAVEOLENS* L. Apiaceae.

Dill.

No. 8533.

193454. *APIUM GRAVEOLENS* L. Apiaceae.

Celery.

No. 8485.

193455. *ARACHIS HYPOGAEA* L. Fabaceae.

Peanut.

No. 8502.

193456. *AVENA* sp. Poaceae.

No. 8524.

## 193450 to 193658.—Continued

- 193457 and 193458. *BETA VULGARIS* L. Chenopodiaceae. Beet.  
 193457. No. 8488. *Rote Rube*.  
 193458. No. 8525.
- 193459 and 193460. *BRASSICA NIGRA* (L.) Koch. Brassicaceae. Black mustard.  
 193459. No. 8719. *Goman*.  
 193460. No. 8731. Market, Harar, Harar.
193461. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Cauliflower.  
 No. 8537. *Erfurter Zweig*.
- 193462 and 193463. *BRASSICA OLERACEA* var. *CAPITATA* L. Cabbage.  
 193462. No. 8490. *Amager*.  
 193463. No. 8536. *Rotkraut*.
193464. *BRASSICA OLERACEA* var. *GEMMIFERA* DC. Brussels sprouts.  
 No. 8495. *Sprossenkohl*.
- 193465 and 193466. *BRASSICA OLERACEA* var. *GONGYLODES* L. Kohlrabi.  
 193465. No. 8484.  
 193466. No. 8538.
193467. *BRASSICA* sp.  
 No. 8574.
- 193468 to 193472. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.  
 193468. No. 8527. *Paprika*. 193471. No. 8606.  
 193469. No. 8528. *Paprika Neusiedler*. 193472. No. 8730.  
 193470. No. 8605. *Berberri*.
- 193473 to 193475. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.  
 193473. No. 8595. *Suff*.  
 193474. No. 8723.  
 193475. No. 8743.
193476. *AMMI COPTICUM* L. Apiaceae.  
 No. 8598. White cumin.
193477. *CHRYSANTHEMUM SEGETUM* L. Asteraceae.  
 No. 8607. Raz Hotel. Plant 2 feet high; flowers yellow; profuse bloomer.
- 193478 to 193488. *CICER ARIETINUM* L. Fabaceae. Chickpea.  
 193478. No. 8554. 193484. No. 8592.  
 193479. No. 8559. 193485. No. 8708. Market, Diredawa.  
 193480. No. 8562. 193486. No. 8722. Market, Diredawa.  
 193481. No. 8564. 193487. No. 8746. Market, Harar.  
 193482. No. 8573. 193488. No. 8752. Market, Harar.  
 193483. No. 8582.
193489. *LACTUCA SATIVA* L. Cichoriaceae. Lettuce.  
 No. 8526. French summer variety.
193490. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.  
 No. 8501. *Anguria a Seme Nero*.

## 193450 to 193658.—Continued

193491. *COFFEA* sp. Rubiaceae. **Coffee.**  
No. 8760. Market, Harar, Harar.
- 193492 and 193493. *CORIANDRUM SATIVUM* L. Apiaceae. **Coriander.**  
193492. No. 8601. Oct. 11, 1950.  
193493. No. 8688. Market, Diredawa. October 1950.
193494. *COSMOS BIPINNATUS* Cav. Asteraceae.  
No. 8609. Raz Hotel.
193495. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**  
No. 8500. *Popone*.
- 193496 and 193497. *CUCUMIS SATIVUS* L. **Cucumber.**  
193496. No. 8515.  
193497. No. 8532. *Elsgruber Znainer*.
193498. *CUCUMIS DIPSACEUS* Ehrenb.  
No. 8668. Ogaden region, near Walwal.
193499. *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**  
No. 8698. Market, Diredawa.
193500. *CUCURBITA MOSCHATA* Duchesne. **Cushaw.**  
No. 8751. Market, Harar.
- 193501 to 193503. *CUCURBITA PEPO* L. **Pumpkin.**  
193501. No. 8493.  
193502. No. 8539. *Zierkurbis*.  
193503. No. 8597.
- 193504 to 193506. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**  
193504. No. 8486. *Nantaise*.  
193505. No. 8694. *Lange Spate*.  
193506. No. 8498. *Long Red*.
193507. *DOYALIS ABYSSINICA* (A. Rich.) Warb. Flacourtiaceae.  
No. 8685. Market, Diredawa.
- 193508 to 193514. *ERAGROSTIS TEF* (Zuccagni) Trotter. Poaceae. **Teff.**  
193508. No. 8587. *Red*. 193512. No. 8733. Market, Harar.  
193509. No. 8588. *White*. 193513. No. 8756. Market, Harar.  
193510. No. 8590. 193514. No. 8757. Market, Harar.  
193511. No. 8728. Market, Diredawa.
193515. *BARBAREA* sp. Brassicaceae.  
No. 8662.
- 193516 and 193517. *GOSSYPIUM*. Malvaceae. **Cotton.**  
193516. No. 8557.  
193517. No. 8707. Market, Diredawa.
193518. *GUIZOTIA ABYSSINICA* (L.f.) Cass. Asteraceae.  
No. 8596.

## 193450 to 193658.—Continued

- 193519 to 193541. HORDEUM spp. Poaceae. Barley.
- 193519 to 193523. HORDEUM VULGARE L. Common barley.
193519. No. 8545. 193522. No. 8551.
193520. No. 8546. 193523. No. 8577.
193521. No. 8547.
193524. HORDEUM DEFICIENS Steud. Deficient barley.
- No. 8578.
193525. HORDEUM DISTICHON L.
- No. 8599.
- 193526 to 193536. HORDEUM VULGARE L. Common barley.
193526. No. 8603.
193527. No. 8612.
- 193528 to 193536. Market, Diredawa.
193528. No. 8689. 193533. No. 8703.
193529. No. 8690. 193534. No. 8704.
193530. No. 8700. 193535. No. 8705.
193531. No. 8701. 193536. No. 8706.
193532. No. 8702.
193537. HORDEUM DEFICIENS Steud. Deficient barley.
- No. 8710. Market, Diredawa.
- 193538 to 193541. HORDEUM VULGARE L. Common barley.
193538. No. 8738. Market, Harar.
193539. No. 8739. Market, Harar.
193540. No. 8740. Market, Harar.
193541. No. 8764. Market, Addis Ababa, Diredawa, Harar.
- 193542 and 193543. LACTUCA SATIVA L. Cichoriaceae. Lettuce.
193542. No. 8487. *Schnittsalat*.
193543. No. 8489. *Kopfsalat*.
193544. LATHYRUS SATIVUS L. Fabaceae. Bittervetch.
- No. 8581. *Guaya*.
- 193545 to 193550. LENS CULINARIS Medic. Fabaceae. Lentil.
193545. No. 8504. Seeds dark brown. Store, Addis Ababa.
193546. No. 8507. Seeds brown and black. Store, Addis Ababa. Oct. 6.
193547. No. 8579. Seeds brown.
193548. No. 8589. Seeds black.
193549. No. 8726. Market, Diredawa.
193550. No. 8744. Market, Harar.
- 193551 to 193554. LINUM USITATISSIMUM L. Linaceae. Flax.
193551. No. 8593. Used for oil.
193552. No. 8594. White flax.
193553. No. 8724. Market, Diredawa.
193554. No. 8758. Market, Harar, Harar.

## 193450 to 193658.—Continued

- 193555 to 193557. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**  
 193555. No. 8492. *Bonnie Best.*  
 193556. No. 8531. *Paradeiser.*  
 193557. No. 8687. Diredawa.
193558. MEDICAGO HISPIDA Gaertn. Fabaceae. **Burclover.**  
 No. 8513. Garden.
193559. MILLETTIA FERRUGINEA (Hochst.) Baker. Fabaceae.  
 No. 8665. Cultivated tree.
193560. NICOTIANA TABACUM L. Solanaceae. **Tobacco.**  
 No. 8610. Garden, Raz Hotel.
193561. NIGELLA SATIVA L. Ranunculaceae. **Black cumin.**  
 No. 8600.
193562. PARKINSONIA ACULEATA L. Caesalpiaceae.  
 No. 8674. Market, Diredawa.
- 193563 and 193564. APIUM GRAVEOLENS L. Apiaceae. **Celery.**  
 193563. No. 8517.  
 193564. No. 8534.
193565. PETROSELINUM CRISPUM (Mill.) Nym. Apiaceae. **Parsley.**  
 No. 8491.
- 193566 to 193576. PHASEOLUS VULGARIS L. Fabaceae. **Common bean.**  
 193566. No. 8496. *French Kidney Wax.*  
 193567. No. 8503. Seeds pale brown.  
 193568. No. 8505. Seeds white.  
 193569. No. 8506. Seeds white.  
 193570. No. 8509. Seeds brown, black stripe.  
 193571. No. 8510. Seeds pale brown, red marks.  
 193572. No. 8542.  
 193573. No. 8543. Seeds pale brown to nearly black.  
 193574. No. 8583. Seeds white.  
 193575. No. 8729. Seeds white. Diredawa.  
 193576. No. 8762. Mixed varieties.
193577. PHYSALIS PERUVIANA L. Solanaceae. **Peruvian groundcherry.**  
 No. 8615. Grounds of American Legation.
- 193578 to 193591. PISUM SATIVUM L. Fabaceae. **Pea.**  
 193578. No. 8508. Store, Addis Ababa.  
 193579. No. 8548.  
 193580. No. 8549.  
 193581. No. 8561. Mixed varieties.  
 193582. No. 8565. Seeds white.  
 193583. No. 8569. Mixed varieties.  
 193584. No. 8696.  
 193585. No. 8697. Market, Diredawa.

## 193450 to 193658.—Continued

## 193578 to 193591.—Continued

193586. No. 8720. Market, Diredawa.  
 193587. No. 8727. Market, Diredawa.  
 193588. No. 8734. Market, Harar.  
 193589. No. 8735. Market, Harar.  
 193590. No. 8736. Market, Harar.  
 193591. No. 8761. Mixed varieties. Addis Ababa, Diredawa, and Harar.
193592. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**  
 No. 8530.
- 193593 to 193596. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**  
 193593. No. 8512. *Gulo*. Park.  
 193594. No. 8717. Market, Diredawa.  
 193595. No. 8750. Market, Harar.  
 193596. No. 8759. Grounds, American Legation.
193597. *RUMEX ABYSSINICUS* Jacq. Polygonaceae.  
 No. 8626. Hollata.
193598. *SOPHORA* sp. Fabaceae.  
 No. 8673. Diredawa.
193599. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**  
 No. 8499. *Long Violet*.
- 193600 to 193617. *SORGHUM VULGARE* Pers. Poaceae.  
 193600 to 193603. Seeds red.
- |                   |                   |
|-------------------|-------------------|
| 193600. No. 8558. | 193602. No. 8584. |
| 193601. No. 8576. | 193603. No. 8585. |
- 193604 to 193612. From the market, Diredawa.
- |                   |                   |
|-------------------|-------------------|
| 193604. No. 8693. | 193609. No. 8714. |
| 193605. No. 8694. | 193610. No. 8715. |
| 193606. No. 8695. | 193611. No. 8716. |
| 193607. No. 8712. | 193612. No. 8721. |
| 193608. No. 8713. |                   |
- 193613 to 193617. From the market, Harar.
- |                   |                   |
|-------------------|-------------------|
| 193613. No. 8742. | 193616. No. 8749. |
| 193614. No. 8747. | 193617. No. 8755. |
| 193615. No. 8748. |                   |
- 193618 to 193620. *SPINACIA OLERACEA* L. Chenopodiaceae. **Spinach.**  
 193618. No. 8497.  
 193619. No. 8535. *Victoria*.  
 193620. No. 8541. *Matador*.
193621. *TAGETES ERECTA* L. Asteraceae. **Marigold.**  
 No. 8608. Raz Hotel. A hybrid between a double yellow variety and a double deep-orange variety.

## 193450 to 193658.—Continued

- 193622 to 193640. TRITICUM AESTIVUM L. Poaceae. Common wheat.  
Collected by P. Fellows.
193622. No. 8518. Shoa Province.
- 193623 to 193626. Province unknown.
193623. No. 8519. 193625. No. 8521.
193624. No. 8520. 193626. No. 8522.
193627. No. 8550.
193628. No. 8552.
193629. No. 8556.
193630. No. 8563.
193631. No. 8567.
193632. No. 8570.
193633. No. 8571.
193634. No. 8602.
193635. No. 8604.
- 193636 to 193640. Harar Province.
193636. No. 8737. Harar. 193639. No. 8709. Diredawa.
193637. No. 8741. Harar. 193640. No. 8711. Diredawa.
193638. No. 8691. Diredawa.
- 193641 to 193644. TRITICUM DICOCCUM Schrank. Poaceae. Emmer.
193641. No. 8555. 193643. No. 8591.
193642. No. 8568. 193644. No. 8732. Harar.
- 193645 and 193646. TROPAEOLUM MAJUS L. Tropaeolaceae.  
Common nasturtium.
193645. No. 8540.
193646. No. 8611. American Legation grounds. Climber, 5 feet tall,  
with dense foliage.
- 193647 to 193650. VICIA FABA L. Fabaceae. Broadbean.
193647. No. 8580. 193649. No. 8718. Diredawa.
193648. No. 8586. 193650. No. 8745. Harar.
193651. VIGNA SINENSIS (Torner) Savi. Fabaceae. Cowpea.  
No. 8725. Diredawa.
- 193652 to 193658. ZEA MAYS L. Poaceae. Corn.
193652. No. 8692. Diredawa. 193656. No. 8553.
193653. No. 8753. Harar. 193657. No. 8572.
193654. No. 8754. Harar. 193658. No. 8575.
193655. No. 8544.

## 193659. YUCCA FILAMENTOSA L. Liliaceae.

From Georgia. Plants growing at the United States Plant Introduction Garden, Savannah. Numbered Feb. 1, 1951.

Originally presented by R. K. Godfrey, Department of Botany, North Carolina State College, Raleigh, N. C.

**193660 to 193672.**

From Ethiopia. Collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 22, 1951.

Collected in 1950.

**193660 to 193662.** ALLIUM CEPA L. Liliaceae. **Onion.**

193660. No. 8904. Market, Addis Ababa. Nov. 21. (Bulbs.)

193661. No. 9023. Market, Bishoftu. Dec. 2. (Bulbs.)

193662. No. 9024. Market, Bishoftu. Dec. 2. (Bulbs.)

**193663 to 193665.** ALLIUM SATIVUM L. **Garlic.**

193663. No. 8906. Market, Addis Ababa. Nov. 21. (Bulbs.)

193664. No. 9025. Bishoftu. Dec. 2. (Bulbs.)

193665. No. 9026. Bishoftu. Dec. 2. (Bulbs.)

**193666.** ALOE sp. Liliaceae.

No. 9061. Blue Nile. Dec. 2. (Plant.)

**193667.** GLADIOLUS sp. Iridaceae.

No. 8867. Addis Ababa. Nov. 18. (Corms.)

**193668.** MANGIFERA INDICA L. Anacardiaceae. **Mango.**

No. 8905. Market, Addis Ababa. Nov. 21. (Seeds.)

**193669.** SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

No. 8903. Market, Addis Ababa. Nov. 21. (Tubers.)

**193670 and 193671.** ZINGIBER OFFICINALE Roscoe. Zingiberaceae. **Ginger.**

193670. No. 9041. Market, Bishoftu. Dec. 2. (Roots.)

193671. No. 8922. Market, Addis Ababa. Nov. 22. (Roots.)

**193672.** CANNA sp. Cannaceae.

No. 8866. Addis Ababa. Cultivated. Nov. 18. (Roots.)

**193673.** VITIS VINIFERA L. Vitaceae. **European grape.**

From Denmark. Cuttings presented by Paul Jarnak, Hillerod. Received Jan. 22, 1951.

*Black Hambourgh.*

**193674 to 193686.**

From Belgium. Seeds presented by the Station de Recherches de l'Etat, Gembloux. Received Jan. 23, 1951.

**193674 to 193680.** NICOTIANA RUSTICA L. Solanaceae. **Aztec tobacco.**

193674. *N. R. 286 Argentina.* 193678. *KO 11-P 55 Ecuador.*

193675. *Bakoum Nigra.* 193679. *Makorkha.*

193676. *Borzili.* 193680. *Zlag.*

193677. *Brasilia.*

**193681.** VICIA CASSUBICA L. Fabaceae.

**193682.** VICIA HYBRIDA L.

**193683.** VICIA ONOBRYCHOIDES L.

**193684 to 193686.** VICIA SATIVA L. **Common vetch.**

193684. Received as *Vicia melanops*, considered a synonym.

193685. (No data.)

193686. Received as *Vicia cordata*, considered a synonym.

**193687 to 193703. PRUNUS MAHALEB L. Amygdalaceae.**  
**Mahaleb cherry.**

From Maryland. Trees growing at the United States Plant Introduction Garden, Glenn Dale. Numbered Jan. 24, 1951.

Seedling selections of the following P. I. numbers:

- |                       |                       |
|-----------------------|-----------------------|
| 193687. P. I. 124927. | 193696. P. I. 126528. |
| 193688. P. I. 124962. | 193697. P. I. 126529. |
| 193689. P. I. 124963. | 193698. P. I. 133059. |
| 193690. P. I. 124235. | 193699. P. I. 133906. |
| 193691. P. I. 125258. | 193700. P. I. 134013. |
| 163692. P. I. 125559. | 193701. P. I. 134246. |
| 193693. P. I. 125665. | 193702. P. I. 134246. |
| 193694. P. I. 125666. | 193703. P. I. 134366. |
| 193695. P. I. 125775. |                       |

**193704 to 193709.**

From India. Plants collected by Dr. Walter Koelz, c/o United States Consul, Bombay. Received Jan. 24, 1951.

A collection of epiphytic orchids.

193704. DENDROBIUM FALCONERI Hook. Orchidaceae.  
 No. 11728.
193705. DENDROBIUM DEVONIANUM Paxt.  
 No. 11729.
193706. THUNIA sp. Orchidaceae.  
 No. 11730.
193707. DENDROBIUM CREPIDATUM Lindl. Orchidaceae.  
 No. 11731.
193708. VANDA CAERULEA Griff. Orchidaceae.  
 No. 11732.
193709. SARCANTHUS RACEMIFER (Lindl.) Reichb. f. Orchidaceae.  
 No. 11733.

**193710 to 193712.**

From the Union of South Africa. Bulbs collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 24, 1951.

From Rooiberg, Thabazimbi, Transvaal.

193710. CRINUM BUPHANIODES Welw. Amaryllidaceae.  
 No. A-3.
193711. EUCOMIS sp. Liliaceae.  
 No. A-1.
193712. SCILLA RIGIDIFOLIA Kunth. Liliaceae.  
 No. A-2.

**193713 and 193714.**

From the Belgian Congo. Seeds presented by Ira M. Petersime, Petersime Incubator Co., Gettysburg, Ohio. Received Jan. 24, 1951.

193713. STROPHANTHUS sp. Apocynaceae.
193714. STROPHANTHUS GARDENIFLORUS Gilg.

**193715 to 193717. STROPHANTHUS spp. Apocynaceae.**

From Angola. Seeds presented by Dr. John Gossweiler, Luanda. Received Jan. 24, 1951.

193715. *STROPHANTHUS AMBOENSIS* (Schinz) Engl. & Pax.

193716. *STROPHANTHUS INTERMEDIUS* Pax.

193717. *STROPHANTHUS WELWITSCHII* (Baill.) K. Schum.

**193718 and 193719. AVENA SATIVA L. Poaceae. Oats.**

From Sweden. Seeds presented by Dr. A. Akerman, Director, Plant Breeding Institute, Svalöf. Received Jan. 24, 1951.

193718. *Orion*.

193719. *Sirius*.

**193720. SACCHARUM. Poaceae. Sugarcane.**

From Colombia. Seeds presented by the Agricultural Experiment Station, Palmira, Valle. Received Jan. 25, 1951.

*POJ 2750 × Pasoeroean.*

**193721. PRUNUS AVIUM L. Amygdalaceae. Sweet cherry.**

From Germany. Cuttings presented by the Max Planck Institute, Voldagsen über Elze. Received Jan. 24, 1951.

*Theissinger Seedling.*

**193722 to 193724. SACCHARUM. Poaceae. Sugarcane.**

From Tanganyika. Cuttings obtained from Amani by E. W. Brandes, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 26, 1951.

193722. *Aegyptiacum*.

193723. *No. 1.*

193724. *No. 2.*

**193725. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.**

From Sweden. Seeds presented by Allmanna Svenska Utsadesaktiebolaget, Svalöf. Received Jan. 26, 1951.

**193726 to 193732.**

From Ireland. Seeds presented by J. P. Drew, Albert Agricultural College, Glasnevin, Dublin. Received Jan. 26, 1951.

193726 to 193728. *AVENA SATIVA L. Poaceae. Oats.*

193726. *Glasnevin Triumph.*

193727. *Glasnevin Potato.*

193728. *Star-Glasnevin Strain.*

193729 to 193731. *HORDEUM VULGARE L. Poaceae. Common barley.*

193729. *Kenia × Spratt Archer Kenia 6/3 No. 5.*

193730. *Spratt Archer Kenia 6/3 × Spratt Archer 37/3.*

193731. *Spratt Archer Kenia 22/2 × Spratt Kenia 6/3.*

193732. *TRITICUM AESTIVUM L. Poaceae. Common wheat.*

*Atle × Fylgia.*

**193733. LATHYRUS CLYMENUM L. Fabaceae.**

From Italy. Seeds presented by Prof. Marino Gasparini, University of Florence, Florence. Received Jan. 29, 1951.

Originally from the Palermo Botanical Garden.

**193734 to 193746.**

From Kenya. Seeds presented by S. P. Rawlins, Hoey's Bridge. Received Jan. 29, 1951.

193734. *ALYSICARPUS GLUMACEUS* DC. Fabaceae.

193735. *ASTRAGALUS VENOSUS* Hochst. Fabaceae.

193736. *INDIGOFERA* sp. Fabaceae.

Annual; flowers small and yellow.

193737. *LESPEDEZA STRIATA* (Thunb.) Hook. & Arn. Fabaceae.

193738. *MEDICAGO TRIBULOIDES* Desr. Fabaceae.

Prostrate habit.

193739. *MELINIS MINUTIFLORA* Beauv. Poaceae. **Molasses grass.**

193740. *PUERARIA LOBATA* (Willd.) Ohwi. Fabaceae. **Kudzu.**

Originally from India.

193741. *SORGHUM VULGARE* Pers. Poaceae.

193742. *TRIFOLIUM* sp. Fabaceae. **Clover.**

193743. *TRIFOLIUM BASILEIANUM* Chiov.

193744. *TRIFOLIUM LUGARDII* Bullock.

193745. *TRIFOLIUM CRYPTOPODIUM* Steud.

193746. *VIGNA VEXILLATA* (L.) Rich. Fabaceae.

**193747 to 193749. GOSSYPIUM. Malvaceae. Cotton.**

From Brazil. Seeds presented by the Department of Vegetable Production, Campinas. Received Feb. 2, 1951.

193747. *I.A. Campinas 817.*

193748. *I.A. 7111-028.*

193749. *I.A. 7387.*

**193750 to 193908.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 30, 1951.

Collected in 1950.

193750. *AFRAMOMUM KORARIMA* (Baker) Pereira. Zingiberaceae.

No. 9040. *Coverima*. Market, Bishoftu. Dec. 2. Used as flavoring in cooking.

193751 to 193754. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**

Shop, Addis Ababa.

193751. No. 8775. Nov. 4.                      193753. No. 8803. Nov. 12.

193752. No. 8802. Nov. 12.                    193754. No. 8941. Nov. 28.

193755. *ARALIA* sp. Araliaceae.

No. 8769. *Indode*. Market, Addis Ababa. Oct. 12. Fruits ground and used as soap.

193756 to 193761. *BRASSICA* spp. Brassicaceae.

Market, Bishoftu. Dec. 2.

193756. *BRASSICA* sp.

No. 9032.

193757. *BRASSICA* sp.

No. 9033.

## 193750 to 193908.—Continued

## 193756 to 193761.—Continued

193758. BRASSICA sp.

No. 9034.

193759. BRASSICA sp.

No. 9035.

193760. BRASSICA sp.

No. 9036.

193761. BRASSICA sp.

No. 9037.

193762 and 193763. CAPSICUM FRUTESCENS L. Solanaceae. **Redpepper.**

193762. No. 9007. Market, Bishoftu. Dec. 2.

193763. No. 9009. Market, Bishoftu. Dec. 2.

193764 and 193765. CARTHAMUS TINCTORIUS L. Asteraceae. **Safflower.**193764. No. 8940. *Suff.* Shop, Addis Ababa. Nov. 28.

193765. No. 9019. Market, Bishoftu. Dec. 2.

193766 to 193768. CICER ARIETINUM L. Fabaceae. **Chickpea.**

193766. No. 8857. Market, Addis Ababa. Nov. 16.

193767. No. 8858. Market, Addis Ababa.

193768. No. 8859. Market, Addis Ababa.

193769 and 193770. CORIANDRUM SATIVUM L. Apiaceae. **Coriander.**193769. No. 9030. *Dimbelal.* Market, Bishoftu. Dec. 2.193770. No. 9031. *Dimbelal.* Market, Bishoftu.193771 and 193772. CUCURBITA PEPO L. Cucurbitaceae. **Pumpkin.**

193771. No. 8935. Market, Addis Ababa. Nov. 26.

193772. No. 8936. Market, Addis Ababa. Nov. 26.

193773. GOSSYPIUM. Malvaceae. **Cotton.**

No. 8948. Market, Addis Ababa. Nov. 28.

193774. GUIZOTIA ABYSSINICA (L.f.) Cass. Asteraceae.

No. 9020. Market, Bishoftu. Dec. 2.

193775. HELIANTHUS ANNUUS L. Asteraceae. **Sunflower.**

No. 9051. Market, Bishoftu. Dec. 2. Disk 10 inches in diameter.

193776 to 193813. HORDEUM spp. Poaceae. **Barley.**

193776 to 193799. From the market, Addis Ababa.

193776. HORDEUM VULGARE L. **Common barley.**

No. 8778.

193777. HORDEUM DEFICIENS Steud. **Deficient barley.**

No. 8780.

193778 to 193784. HORDEUM VULGARE L. **Common barley.**

193778. No. 8781. 193782. No. 8785.

193779. No. 8782. 193783. No. 8786.

193780. No. 8783. 193784. No. 8737.

193781. No. 8784.

## 193750 to 193908.—Continued

## 193776 to 193813.—Continued

## 193776 to 193799.—Continued

193785. HORDEUM IRREGULARE Åberg &amp; Wiebe.

No. 8838.

193786 to 193789. HORDEUM VULGARE L. Common barley.

193786. No. 8840. 193788. No. 8842.

193787. No. 8841. 193789. No. 8843.

193790. HORDEUM DEFICIENS Steud. Deficient barley.

No. 8844.

193791 and 193792. HORDEUM VULGARE L. Common barley.

193791. No. 8845.

193792. No. 8846.

193793. HORDEUM sp.

No. 8847.

193794 and 193795. HORDEUM VULGARE L. Common barley.

193794. No. 8848.

193795. No. 8849.

193796 to 193798. HORDEUM DEFICIENS Steud. Deficient barley.

193796. No. 8850.

193797. No. 8851.

193798. No. 8852.

193799. HORDEUM VULGARE L. Common barley.

No. 8853.

## 193800 to 193813. From the market, Bishoftu.

193800. HORDEUM IRREGULARE Åberg &amp; Wiebe.

No. 8952.

193801 and 193802. HORDEUM VULGARE L. Common barley.

193801. No. 8954.

193802. No. 8955.

193803 and 193804. HORDEUM DEFICIENS Steud. Deficient barley.

193803. No. 8956.

193804. No. 8957.

193805. HORDEUM VULGARE L. Common barley.

No. 8958.

193806. HORDEUM DEFICIENS Steud. Deficient barley.

No. 8959.

193807. HORDEUM VULGARE L. Common barley.

No. 8960.

193808 to 193812. HORDEUM DEFICIENS Steud. Deficient barley.

193808. No. 8961. 193811. No. 8964.

193809. No. 8962. 193812. No. 8965.

193810. No. 8963.

193813. HORDEUM VULGARE L. Common barley.

No. 8966.

## 193750 to 193908.—Continued

- 193814 to 193816. *LATHYRUS SATIVUS* L. Fabaceae. **Bittervetch.**  
 193814. No. 8907. *Guaya*. Market, Addis Ababa. Nov. 21.  
 193815. No. 8967. *Guaya*. Market, Bishoftu. Dec. 2.  
 193816. No. 8968. *Guaya*. Market, Bishoftu. Dec. 2.
193817. *LENS CULINARIS* Medic. Fabaceae. **Lentil.**  
 No. 8801. Shop, Addis Ababa. Nov. 12.
- 193818 and 193819. *LEPIDIUM SATIVUM* L. Brassicaceae. **Garden cress.**  
 193818. No. 9038. *Feto*. Market, Bishoftu. Dec. 2.  
 193819. No. 9039. *Feto*. Market, Bishoftu. Dec. 2.
- 193820 to 193824. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**  
 From the market, Bishoftu. Dec. 2.  
 193820. No. 8953. 193823. No. 9017.  
 193821. No. 9015. 193824. No. 9018.  
 193822. No. 9016.
- 193825 to 193833. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**  
 193825 to 193831. From a store, Addis Ababa. Nov. 2.  
 193825. No. 8795. 193829. No. 8799.  
 193826. No. 8796. 193830. No. 8800.  
 193827. No. 8797. 193831. No. 8804.  
 193828. No. 8798.  
 193832. No. 9021. From the market, Bishoftu. Dec. 2.  
 193833. No. 9022. From the market, Bishoftu. Dec. 2.
193834. *PHASEOLUS LUNATUS* L. **Lima bean.**  
 No. 9056.
- 193835 to 193849. *PISUM SATIVUM* L. Fabaceae. **Pea.**  
 193835 to 193837. From the market, Addis Ababa.  
 193835. No. 8787. Nov. 6.  
 193836. No. 8854. Nov. 16.  
 193837. No. 8855. Nov. 16.  
 193838 to 193849. From the market, Bishoftu. Dec. 2.  
 193838. No. 8970. 193844. No. 8976.  
 193839. No. 8971. 193845. No. 8977.  
 193840. No. 8972. 193846. No. 8978.  
 193841. No. 8973. 193847. No. 8979.  
 193842. No. 8974. 193848. No. 8980.  
 193843. No. 8975. 193849. No. 9046.
- 193850 and 193851. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**  
 193850. No. 8942. Market, Addis Ababa. Nov. 28.  
 193851. No. 9014. Market, Bishoftu. Dec. 2.
- 193852 to 193855. *SORGHUM VULGARE* Pers. Poaceae.  
 193852. No. 9013. Market, Bishoftu. Dec. 2.  
 193853. No. 8856. Market, Addis Ababa. Nov. 16.  
 193854. No. 9011. Market, Bishoftu. Dec. 2.  
 193855. No. 9012. Market, Bishoftu. Dec. 2.

## 193750 to 193908.—Continued

- 193856 to 193890. TRITICUM spp. Poaceae.  
From the market, Addis Ababa. November.
- 193856 to 193872. TRITICUM AESTIVUM L. Common wheat.
- |                   |                   |
|-------------------|-------------------|
| 193856. No. 8790. | 193865. No. 8828. |
| 193857. No. 8791. | 193866. No. 8830. |
| 193858. No. 8792. | 193867. No. 8831. |
| 193859. No. 8793. | 193868. No. 8835. |
| 193860. No. 8822. | 193869. No. 8836. |
| 193861. No. 8823. | 193870. No. 8916. |
| 193862. No. 8824. | 193871. No. 8917. |
| 193863. No. 8825. | 193872. No. 8919. |
| 193864. No. 8826. |                   |
- 193873 to 193883. TRITICUM DICOCCUM Schrank. Emmer.
- |                   |                   |
|-------------------|-------------------|
| 193873. No. 8818. | 193879. No. 8930. |
| 193874. No. 8821. | 193880. No. 8931. |
| 193875. No. 8829. | 193881. No. 8932. |
| 193876. No. 8834. | 193882. No. 8933. |
| 193877. No. 8928. | 193883. No. 8934. |
| 193878. No. 8929. |                   |
193884. TRITICUM sp.  
No. 8820.
193885. TRITICUM sp.  
No. 8827.
193886. TRITICUM sp.  
No. 8832.
193887. TRITICUM sp.  
No. 8833.
193888. TRITICUM sp.  
No. 8915.
193889. TRITICUM sp.  
No. 8918.
193890. TRITICUM sp.  
No. 8819.
- 193891 to 193900. VICIA FABA L. Fabaceae. Broadbean.
193891. No. 8777. Market, Addis Ababa. Nov. 6.
193892. No. 8788. Market, Addis Ababa. Nov. 6.
- 193893 to 193900. From the market, Bishoftu. Dec. 2.
- |                                   |  |
|-----------------------------------|--|
| 193893. No. 8988. Seeds greenish. |  |
| 193894. No. 8989. Seeds brown.    |  |
| 193895. No. 8990. Seeds greenish. |  |
| 193896. No. 8991. Seeds greenish. |  |
| 193897. No. 8992. Seeds greenish. |  |

## 193750 to 193908.—Continued

193891 to 193900.—Continued

193893 to 193900.—Continued

193898. No. 8993. Seeds greenish.

193899. No. 8994. Seeds greenish.

193900. No. 9047.

193901 to 193908. *ZEA MAYS* L. Poaceae.

Corn.

193901. No. 8986. Market, Bishoftu. Dec. 2.

193902. No. 8987. Market, Bishoftu. Dec. 2.

193903. No. 8927. Market, Addis Ababa. Nov. 26.

193904 to 193908. Market, Bishoftu. Dec. 2.

193904. No. 8981.

193907. No. 8984.

193905. No. 8982.

193908. No. 8985.

193906. No. 8983.

193909 to 193923. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Brazil. Seeds presented by A. R. da Silva, Pelotas, Rio Grande do Sul. Received Feb. 2, 1951.

193909. *Alegrete*.193917. *Petiblanco*.193910. *Bage*.193918. *Petirrojo*.193911. *Centeiroz 44*.193919. *Planalto*.193912. *Colonias*.193920. *Tremez Rijo*.193913. *Heana E. 991*.193921. *Trintani*.193914. *Negroz*.193922. *D. P. 1 31/3*.193915. *Nordeste*.193923. *D. Q. 3/150/2*.193916. *Patriarca*.193924 to 193938. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Colombia. Seeds presented by Dr. Joe Rupert, Bogotá. Received Feb. 2, 1951.

193924. *Bage*.193932. *Frontana 3671*.193925. *Cinco 2334-46*.193933. *Frontana LF 320*.193926. *Cinco (Scl A)*.193934. *Frontana LF 321*.193927. *Cinco (Scl B)*.193935. *Garnet Ott 652*.193928. *Floreana*.193936. *Hcana A 934-44*.193929. *Frocor 2328-46*.193937. *Inter-generie*.193930. *Frocor 2346-46*.193938. *Negroz*.193931. *Frocor 2375-46*.

## 193939 to 193944.

From Costa Rica. Seeds presented by Dr. Ernest P. Imle, Turrialba. Received February 1951.

Originally received from Ceylon.

193939. *CROTALARIA MUCRONATA* Desv. Fabaceae.193940. *DESMODIUM GYROIDES* Desv. Fabaceae.

**193939 to 193944.**—Continued

193941. *DESMODIUM HETEROCARPUM* (L.) DC.

193942. *INDIGOFERA ENDECAPHYLLA* Jacq. Fabaceae.

193943. *PUERARIA PHASEOLOIDES* (Roxb.) Benth. Fabaceae.

193944. *TEPHROSIA VOGELII* Hook. f. Fabaceae.

**193945 and 193946.** *STROPHANTHUS* spp. Apocynaceae.

From Angola. Seeds presented by John Gossweiler, Luanda. Received Feb. 5, 1951.

193945. *STROPHANTHUS AMBOENSIS* (Schinz) Engl. & Pax.

193946. *STROPHANTHUS SCHUCHARDTII* Pax.

**193947.** *STROPHANTHUS* sp.

From French West Africa. Seeds presented by Charles Blanchard, Abidjan, Ivory Coast. Received Feb. 5, 1951.

**193948 and 193949.** *ALBIZZIA JULIBRISSIN* Durazz. Mimosaceae.  
**Silktree.**

From North Carolina. Cuttings obtained from Asheville through the Division of Forest Pathology, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Jan. 16, 1951.

193948. No. 64. *Tryon*. Originally from Tryon, N. C.

193949. No. 610. *Charlotte*. Originally from Charlotte, N. C.

**193950.** *LESPEDEZA CYRTOBOTRYA* Miquel. Fabaceae.

From Japan. Seeds presented by Prof. T. Tanaka, Toyko. Received Feb. 5, 1951.

**193951.** *MELILOTUS ITALICA* (L.) Lam. Fabaceae. **Sweetclover.**

From Italy. Seeds presented by the Botanical Garden of the University of Pisa, Pisa. Received Feb. 5, 1951.

**193952.** *SOLANUM SISYMBRIIFOLIUM* Lam. Solanaceae.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered Feb. 6, 1951.

*Joa*. Originally received as seeds from Mrs. John C. Turner, Miami, Fla. Shrub resembling a blackberry bush in habit; fruit used in making jams.

**193953 and 193954.** *VITIS VINIFERA* L. Vitaceae.**European grape.**

From Germany. Cuttings presented by the Forschungsinstitut für Rebenzucht, Geilweilerhof. Received Feb. 7, 1951.

193953. *Precoce Malingre*.

193954. *Seibel 880*.

**193955 to 194050.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Feb. 6, 1951.

Collected in 1950.

193955. *AMMI COPTICUM* L. Apiaceae.

No. 9043. *Nech-azmud*. Market, Bishoftu. Dec. 2.

193956 to 193960. From the market, Addis Ababa. Nov. 2.

193956. *ANDROPOGON DISTACHYON* L. Poaceae.

No. 8878.

## 193955 to 194050.—Continued

## 193956 to 193960.—Continued

193957. *AVENA SATIVA* L. Poaceae. Oats.  
No. 8937.
193958. *AVENA* sp.  
No. 8913.
193959. *BRASSICA* sp. Brassicaceae.  
No. 8949.
193960. *BRASSICA* sp.  
No. 8950.
- 193961 and 193962. *CICER ARIETINUM* L. Fabaceae. Chickpea.  
193961. No. 8810. Debra Markos. Nov. 15.  
193962. No. 8860. Market, Addis Ababa. Nov. 16.
- 193963 to 193965. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.  
From Agaruen Hills, Ogaden. Oct. 26.  
193963. No. 8669.  
193964. No. 8670.  
193965. No. 8671.
193966. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.  
No. 8908. Market, Addis Ababa. Nov. 21.
193967. *CUCUMIS PROPHETARUM* L.  
No. 8666. Agaruen Hills, Ogaden. Oct. 26.
193968. *CUCURBITA PEPO* L. Cucurbitaceae. Pumpkin.  
No. 8914. Market, Addis Ababa. Nov. 20.
193969. *DATURA STRAMONIUM* L. Solanaceae. Jimsonweed.  
No. 8924. Market, Addis Ababa. Nov. 23.
193970. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. Ragi.  
No. 8910. *Dagussa*. Addis Ababa. Nov. 20.
193971. *ERAGROSTIS* sp. Poaceae.  
No. 8811. Debra Markos. Nov. 15.
- 193972 and 193973. *ERAGROSTIS TEF* (Zuccagni) Trotter. Teff.  
193972. No. 8890. South of Konboltsha. Nov. 11.  
193973. No. 8911. Jimma Road, Addis Ababa. Nov. 11.
193974. *ERIOBOTRYA JAPONICA* (Thunb.) Lindl. Malaceae. Loquat.  
No. 8774. Market, Harar. Oct. 30.
193975. *FRAGARIA*. Rosaceae. Strawberry.  
No. 9060. Shop, Addis Ababa. Dec. 2.
193976. *GLADIOLUS* sp. Iridaceae.  
No. 8658. Dessie Pool, near Addis Ababa. Oct. 15.
- 193977 and 193978. *GUIZOTIA ABYSSINICA* (L.f.) Cass. Asteraceae.  
193977. No. 8812. Debra Markos. Nov. 15.  
193978. No. 8944. Market, Addis Ababa. Nov. 28.

## 193955 to 194050.—Continued

- 193979 to 193990. *HORDEUM* spp. Poaceae. **Barley.**  
 193979. *HORDEUM IRREGULARE* Åberg & Wiebe.  
 No. 8779. Market, Addis Ababa. Nov. 6.
- 193980 to 193986. *HORDEUM VULGARE* L. **Common barley.**  
 193980. No. 8807. Market, Debra Markos. Nov. 15.  
 193981. No. 8864. Market, Addis Ababa. Nov. 16.  
 193982. No. 8877. Twenty km. north of Addis Ababa. Nov. 19.  
 193983. No. 8891. One hundred nine km. north of Addis Ababa. Nov. 10.  
 193984. No. 8892. Sixty-five km. north of Addis Ababa. Nov. 10.  
 193985. No. 8893. One hundred seventy km. north of Addis Ababa. Nov. 10.  
 193986. No. 8894. Eighteen km. north of Debra Birhan, Shoa Province. Nov. 10.
193987. *HORDEUM DISTICHON* L.  
 No. 8912. One hundred twenty-five km. southwest of Addis Ababa. Nov. 20.
- 193988 and 193989. *HORDEUM VULGARE* L. **Common barley.**  
 193988. No. 8923. Addis Ababa. Nov. 19.  
 193989. No. 8938. Market, Addis Ababa. Nov. 26.
193990. *HORDEUM DEFICIENS* Steud. **Deficient barley.**  
 No. 9045. Market, Bishoftu. Dec. 2.
193991. *JUNIPERUS PHOENICEA* L. Pinaceae. **Phoenician juniper.**  
 No. 8909. Addis Ababa. Oct. 20.
193992. *JUNIPERUS PROCERA* Hochst. **Juniper.**  
 No. 8614. Street tree, Addis Ababa. Oct. 7.
- 193993 and 193994. *LATHYRUS SATIVUS* L. Fabaceae. **Bittervetch.**  
 193993. No. 8862. Market, Addis Ababa. Nov. 16.  
 193994. No. 8898. *Guaya*. Farm near Addis Ababa. Nov. 19.
- 193995 and 193996. *LENS CULINARIS* Medic. Fabaceae. **Lentil.**  
 193995. No. 8813. Debra Markos. Nov. 15.  
 193996. No. 8861. Market, Addis Ababa. Nov. 16.
- 193997 and 193998. *LEPIDIUM SATIVUM* L. Brassicaceae. **Garden cress.**  
 193997. No. 8768. *F'eto*. Market, Addis Ababa. Oct. 12.  
 193998. No. 8920. *F'eto*. Market, Addis Ababa. Nov. 21.
- 193999 to 194001. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**  
 193999. No. 8806. Debra Markos. Nov. 15.  
 194000. No. 8946. Market, Addis Ababa. Nov. 28.  
 194001. No. 8947. Market, Addis Ababa. Nov. 28.
194002. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**  
 No. 9058. Shop, Addis Ababa. Dec. 1.
194003. *OCIMUM* sp. Menthaceae.  
 No. 9042. *Beso-bla*; *Abosda*. Market, Bishoftu. Dec. 2.

## 193955 to 194050.—Continued

- 194004 and 194005. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**  
 194004. No. 9040. Seeds black. Market, Bishoftu. Dec. 2.  
 194005. No. 9049. Seeds white. Market, Bishoftu. Dec. 2.
- 194006 to 194008. *PISUM SATIVUM* L. Fabaceae. **Pea.**  
 194006. No. 7894. Market, Addis Ababa. Nov. 6.  
 194007. No. 8816. Debra Markos. Nov. 15.  
 194008. No. 8969. Market, Bishoftu. Dec. 2.
194009. *RHAMNUS PRINOIDES* L'Her. Rhamnaceae.  
 No. 8902. *Gescio*. Addis Ababa. Nov. 19.
- 194010 to 194014. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**  
 194010. No. 8773. Market, Addis Ababa. Oct. 16.  
 194011. No. 8921. *Senafich*. Market, Addis Ababa. Nov. 21.  
 194012. No. 8943. Market, Addis Ababa. Nov. 28.  
 194013. No. 9010. Market, Bishoftu. Dec. 2.  
 194014. No. 8945. Market, Addis Ababa. Nov. 28.
194015. *CYPHOMANDRA* sp. Solanaceae.  
 No. 8900. Addis Ababa. Nov. 20. A small shrub with yellowish brown, oval fruits 2½ inches long. The reddish-orange flesh has a tomato odor.
194016. *PENNISETUM SPICATUM* (L.) Willd. Poaceae. **Pearl millet.**  
 No. 8677. Diredawa. Oct. 28.
- 194017 to 194023. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. **Fenugreek.**  
 194017. No. 8765. *Abishe*. Market, Addis Ababa. Oct. 12.  
 194018. No. 8771. *Abishe*. Market, Diredawa. Oct. 12.  
 194019. No. 8817. Debra Markos. Nov. 15.  
 194020. No. 8809. Debra Markos. Nov. 15.  
 194021. No. 9027. Market, Bishoftu. Dec. 2.  
 194022. No. 9028. Market, Bishoftu. Dec. 2.  
 194023. No. 9029. Market, Bishoftu. Dec. 2.
194024. *TRIFOLIUM STOLZII* Harms. Fabaceae.  
 No. 8897. Ten km. north of Addis Ababa. Nov. 19. A wild clover.
- 194025 to 194040. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**  
 194025. No. 8805. Debra Markos. Nov. 15.  
 194026. No. 8808. Debra Markos. Nov. 15.  
 194027. No. 8863. Market, Addis Ababa. Nov. 16.  
 194028. No. 8896. Ten km. north of Addis Ababa. Nov. 19.
- 194029 to 194040. From the market, Bishoftu. Dec. 2.  
 194029. No. 8995. **194035.** No. 9001.  
 194030. No. 8896. **194036.** No. 9002.  
 194031. No. 8997. **194037.** No. 9003.  
 194032. No. 8998. **194038.** No. 9004.  
 194033. No. 8999. **194039.** No. 9006.  
 194034. No. 9000. **194040.** No. 9044.

193955 to 194050.—Continued

194041 and 194042. TRITICUM DICOCUM Schrank. Emmer.

194041. No. 8839. Market, Addis Ababa. Nov. 16.

194042. No. 8865. Market, Addis Ababa. Nov. 16.

194043. TRITICUM sp.

No. 8939. Market, Addis Ababa. Nov. 26.

194044. TRITICUM sp.

No. 9005. Market, Bishoftu. Dec. 2.

194045 and 194046. VICIA FABA L. Fabaceae. Broadbean.

194045. No. 8789. Market, Addis Ababa. Nov. 6.

194046. No. 8814. Debra Markos. Nov. 15.

194047 and 194048. ZEA MAYS L. Poaceae. Corn.

194047. No. 8815. Debra Markos. Nov. 15.

194048. No. 9050. Market, Bishoftu.

194049. ZIZIPHUS sp. Rhamnaceae.

No. 8772. *Qurqura*. Market, Diredawa. October. Fruit edible.

194050. (Undetermined.)

No. 8766. *Matere*. Market, Addis Ababa. Oct. 12. Native plant used as remedy for tapeworms.

194051 to 194057. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From China. Seeds presented by Robert Dreeson, Vice Consul, Sinkiang. Received Feb. 6, 1951.

*Kharbush*. From Tibet.

194051. No. 1. 194055. No. 5.

194052. No. 2. 194056. No. 6.

194053. No. 3. 194057. No. 7.

194054. No. 4.

194058 and 194059.

From the Netherlands. Seeds presented by A. J. Tolner, Vries. Received Feb. 7, 1951.

194058. LABURNUM ANAGYROIDES Medic. Fabaceae. Goldenchain.

194059. LOTUS ULIGINOSUS Schkuhr. Fabaceae.

194060 and 194061. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From France. Seeds presented by Vilmorin-Andrieux, Paris. Received Feb. 7, 1951.

194060. *Marmande*.

194061. *Merveille des Marches*.

194062. GOSSYPIUM. Malvaceae. Cotton.

From the Belgian Congo. Seeds presented by the Director, Bambesa Station, Beta. Received Feb. 8, 1951.

*Ishan*.

**194063 to 194068.**

From Ethiopia. Collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Feb. 12, 1951.

**194063.** ZANTEDESCHIA AETHIOPICA (L.) Spreng. Araceae. **Common calla.**  
No. 9231. Addis Ababa. Dec. 6, 1950. (Corms.)

**194064 and 194065.** CITRUS AURANTIFOLIA (Christm.) Swingle. Rutaceae.  
**Lime.**

**194064.** No. 9233. Jimma. Dec. 14, 1950.

**194065.** No. 9333. Market, Gondar. Dec. 31, 1950.

**194066 and 194067.** CITRUS LIMON (L.) Burm. f. **Lemon.**

**194066.** No. 9464. Gondar. Jan. 12, 1951.

**194067.** No. 9458. Market, Addis Ababa. Dec. 26, 1950.

**194068.** CITRUS sp.

No. 9192. Market, Jimma. Dec. 14, 1950.

**194069 and 194070.** BRASSICA OLERACEA var. CAPITATA L.  
Brassicaceae. **Cabbage.**

From Germany. Seeds obtained from Wuerttemberg-Baden, through Paul F. Taggart, Office of Economic Affairs, Washington, D. C. Received Feb. 12, 1951.

**194069.** *Filderkraut.*

**194070.** *Filder Spitz Echt.*

**194071 to 194079.** TRITICUM AESTIVUM L. Poaceae.  
**Common wheat.**

From South Australia. Seeds presented by Dr. A. T. Pugsley, Waite Agricultural Institute, Adelaide. Received Feb. 12, 1951.

**194071.** *Bungalla.*

**194076.** *White Federstin.*

**194072.** *Dowerin.*

**194077.** *Wongoonsdeg.*

**194073.** *Frisco.*

**194078.** *EW 47-7227.*

**194074.** *Koorda.*

**194079.** *EW 9 47-7226.*

**194075.** *Kordut.*

**194080 to 194095.**

From the Union of South Africa. Bulbs collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Feb. 13, 1951.

Collected in January 1951. From Cape Province.

**194080.** BRUNSVIGIA sp. Amaryllidaceae.

No. A-4. Between Port Elizabeth and Humansdorp. Flowers pale pink.

**194081.** BRUNSVIGIA sp.

No. A-14. Near Vredenburg.

**194082.** BOOPHONE sp. Amaryllidaceae.

No. A-20. Worcester.

**194083.** HAEMANTHUS COOPERI Baker. Amaryllidaceae.

No. A-10. Darling.

**194084.** HYPOXIS STELLIPILIS Ker. Amaryllidaceae.

No. A-5. Gamtoos River, between Port Elizabeth and Humansdorp. Flowers bright yellow.

## 194080 to 194095.—Continued

194085. *ORNITHOGALUM* sp. Liliaceae.

No. A-11. Road to Hopefield. Flowers greenish with darker green, longitudinal stripes.

194086. *ORNITHOGALUM* sp.

No. A-13. Near Vredenburg. Flowers greenish with darker green, longitudinal stripes.

194087. *ORNITHOGALUM CAUDATUM* Ait.

No. A-7. Groot's River Pass between Coldstream and Plettenberg Bay. Flowers greenish.

194088. *URGINEA LATISSIMA* Baker. Liliaceae.

No. A-9. Darling.

194089. *URGINEA* sp.

No. A-21. Worcester. Jan. 18, 1951.

194090. *URGINEA* sp.

No. A-12. Near Vredenburg.

194091 to 194093. *WATSONIA ANGUSTA* Ker. Iridaceae.

194091. No. A-16. Above Cydo Pass, north of Ceres. Flowers light scarlet.

194092. No. A-18. Viljoens Pass.

194093. No. A-19. Viljoens Pass near Villiersdorp. Flowers rose.

194094. *SCILLA LANCEAEFOLIA* (Jacq.) Baker. Liliaceae.

No. A-6. Gamtoos River, between Port Elizabeth and Humansdorp.

194095. *VALLOTA SPECIOSA* (L.f.) Dur. & Schinz. Amaryllidaceae.

No. A-8. Long Kidge farm near Plettenberg Bay.

194096. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**

From Germany. Cuttings presented by Hinrich Wriede, Volksdorf. Received Feb. 13, 1951.

*Benitts Roter Finkenwerde.*

194097 to 194100. *PRUNUS MAHALAB* L. Amygdalaceae. **Mahalab cherry.**

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered Mar. 6, 1951.

194097. From the Netherlands. 1939.

194098. *Glenn Dale No. 3.* From the Soviet Union. 1939.

194099. From Europe.

194100. (B. 37817). From Europe.

194101. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

From Canada. Seeds presented by La Ferme Provinciale des Semences, MacDonald College, Ottawa. Received Feb. 14, 1951.

*Dollard.*

194102 and 194103.

From France. Cuttings presented by J. Souty, Station de Recherches Viticoles, Pont-de-la-maye. Received Feb. 14, 1951.

194102. *PRUNUS PERSICA* (L.) Batsch. Amygdalaceae. **Peach.**

*Demeure.*

**194102 and 194103.**—Continued

194103. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**

*Souvenir de Fernand Cognet.*

**194104 to 194106.** *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**

From Germany. Cuttings presented by Dr. Wilhelm Rudolf, Max Planck Institute, Voldagsen über Elze. Received Feb. 14, 1951.

194104. *Ernst Bosch.*

194105. *Freiherr von Berlepsch.*

194106. *Johannes Bottner.*

**194107 to 194112.** *DIOSPYROS KAKI* L. Diospyraceae.

**Kaki persimmon.**

From Japan. Cuttings obtained by E. B. Coffman, Natural Resources Section, GHQ, SCAP, c/o Postmaster, San Francisco, Calif. Received Feb. 14, 1951.

194107. No. 1.

194110. No. 4.

194108. No. 2.

194111. No. 5.

194109. No. 3.

194112. No. 6.

**194113 to 194116.**

From the Ryukyu Islands. Plants obtained by Eaton M. Summers, USCAR, c/o Postmaster, San Francisco, Calif. Received Feb. 15, 1951.

From Naha, Okinawa. Feb. 8, 1951.

194113. *SACCHARUM ARUNDINACEUM* Retz. Poaceae.

194114 and 194115. *SACCHARUM SPONTANEUM* L.

194114. No. 4.

194115. No. 2.

194116. *ERIANTHUS KANASHIROI* Ohwi. Poaceae.

**194117 to 194127.**

From Ethiopia. Collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Feb. 15, 1950.

Collected Dec. 14, 1950 from the market in Jimma.

194117. *ALLIUM CEPA* L. Liliaceae.

**Onion.**

No. 9170. (Bulbs.)

194118. *DIOSCOREA* sp. Dioscoreaceae.

No. 9161. (Tubers.)

194119. *DIOSCOREA* sp.

No. 9162. (Tubers.)

194120. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae.

**Sweetpotato.**

No. 9164. (Roots.)

194121 to 194124. *SOLANUM TUBEROSUM* L. Solanaceae.

**Potato.**

(Tubers.)

194121. No. 9165.

194123. No. 9167.

194122. No. 9166.

194124. No. 9168.

194125. *ZANTEDESCHIA AETHIOPICA* (L.) Spreng. Araceae. **Common calla.**

No. 9231. (Corms.)

## 194117 to 194127.—Continued

194126. ZINGIBER OFFICINALE Roscoe. Zingiberaceae. **Ginger.**  
No. 9169. (Tubers.)

194127. COLOCASIA sp. Araceae.  
No. 9163. *Godwie*. (Edible corms.)

194128. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**  
From the Cook Islands. Seeds presented by W. McBirney, Rarotonga. Received Feb. 15, 1951.

Local variety.

## 194129 and 194130.

From Turkey. Seeds presented by Dr. Phil Baki Kasapligil, Ankara University, Ankara. Received Feb. 15, 1951.

194129. CEDRUS LIBANENSIS Juss. Pinaceae. **Cedar of Lebanon.**

194130. CUPRESSUS SEMPERVIRENS var. HORIZONTALIS (Mill.) Gord.  
Pinaceae. **Spreading Italian cypress.**

194131. DIANTHUS CARYOPHYLLUS L. Caryophyllaceae. **Carnation.**

From Gibraltar. Plant presented by Collinwood Ingram, Benenden, Kent, England. Received Feb. 19, 1951.

194132. STROPHANTHUS DIVARICATUS Hook. & Arn. Apocynaceae.  
From Florida. Seeds presented by E. A. Menninger, Stuart. Received in January 1951.

194133 to 194135. PRUNUS PERSICA (L.) Batsch. Amygdalaceae. **Peach.**

From North Carolina. Plants growing at the North Carolina Sandhill Experiment Station, West End. Numbered Mar. 7, 1951.

194133. *North African No. 1.*

194134. *North African No. 2.*

194135. *North African No. 3.*

194136. MENTHA ARVENSIS var. PIPERASCENS Malinv.  
Menthaceae. **Japanese mint.**

From Japan. Roots obtained by E. B. Coffman, Natural Resources Section, c/o Postmaster, San Francisco, Calif. Received Feb. 2, 1951.

194137. CERATONIA SILIQUA L. Caesalpinaceae. **Carob.**

From Italy. Cuttings presented by Prof. Vincenzo Carrante, Director, Agricultural Experiment Station, Bari. Received Feb. 2, 1951.

*Amele.*

194138 and 194139. FICUS CARICA L. Moraceae. **Common fig.**

From Morocco. Cuttings presented by the Service de l'Horticulture, Rabat. Received Feb. 21, 1951.

194138. *Tameriout.*

194139. *Taramint.*

## 194140 to 194147.

From Canada. Cuttings presented by the Dominion Experiment Station, Summerland, British Columbia. Received Feb. 21, 1951.

## 194140 to 194147.—Continued

- 194140 to 194142. PRUNUS PERSICA (L.) Batsch. Amygdalaceae. **Peach.**  
 194140. *Solo.*  
 194141. *Spotlight.*  
 194142. *Superior.*  
 194143 to 194145. MALUS SYLVESTRIS Mill. Malaceae. **Apple.**  
 194143. *S-4-8.*  
 194144. *S-5-4.*  
 194145. *Sterling.*  
 194146. PRUNUS ARMENIACA L. Amygdalaceae. **Apricot.**  
*Reliable.*  
 194147. PRUNUS. **Cherry.**  
*S-9-15.*

## 194148 and 194149.

From Sweden. Seeds presented by W. Weibull, Landskrona. Received Feb. 26, 1951.

194148. TRIFOLIUM HYBRIDUM L. Fabaceae. **Alsike clover.**  
 194149. TRIFOLIUM PRATENSE L. **Red clover.**

## 194150 to 194153.

From the Union of South Africa. Bulbs collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Feb. 26, 1951.

Collected in February 1951.

194150. BRUNSVIGIA ROSEA (Lam.) Hannibal. Amaryllidaceae.  
 No. A-24. National Botanic Garden, Kirstenbosch.  
 194151. HAEMANTHUS COCCINEUS L. Amaryllidaceae.  
 No. A-22. Cape tip, Cape Peninsula.  
 194152. WATSONIA BULLIFERA Mathews & L. Bolus. Iridaceae.  
 No. A-25. National Botanic Garden, Kirstenbosch.  
 194153. WATSONIA TABULARIS Eckl.  
 No. A-23. Near Smith's Winkel Bay, Cape Peninsula.

194154 to 194164. CYDONIA OBLONGA Mill. Malaceae. **Quince.**

From England. Plants presented by the East Malling Research Station, Maidstone, Kent. Received Feb. 27, 1951.

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|-------------------------------|------------------------------|
| 194154. <i>Caucasian I.</i>   | 194160. <i>Pillnitz I.</i>   |
| 194155. <i>Caucasian II.</i>  | 194161. <i>Pillnitz II.</i>  |
| 194156. <i>Caucasian III.</i> | 194162. <i>Pillnitz III.</i> |
| 194157. <i>Caucasian IV.</i>  | 194163. <i>Pillnitz IV.</i>  |
| 194158. <i>Caucasian V.</i>   | 194164. <i>Pillnitz V.</i>   |
| 194159. <i>Caucasian VI.</i>  |                              |

194165. PRUNUS ARMENIACA L. Amygdalaceae. **Apricot.**

From Greece. Cuttings presented by Alan Berry, Acropole Palace Hotel, Athens. Received Feb. 27, 1951.

*Tofo.*

**194166. SOLANUM GILO Raddi. Solanaceae.**

From Yugoslavia. Seeds presented by the Plant Protection Institute, Zagreb. Received Feb. 27, 1951.

**194167 to 194180.**

From the Union of South Africa. Bulbs and tubers collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Feb. 27, 1951.

From Cape Province. Collected in February 1951.

**194167. AGAPANTHUS AFRICANUS (L.) Hoffm. Liliaceae.**

No. A-44. Seventeen miles north of Fort Beaufort.

**194168. AGAPANTHUS sp.**

No. A-42. Seventeen miles north of Fort Beaufort.

**194169. ALBUCA AUREA Jacq. Liliaceae.**

No. A-33. Port Elizabeth. Leaves about 2 feet long, lanceolate; bearing pale-yellow flowers on several peduncles.

**194170. BOOPHONIA DISTICHA (L.f.) Herbert. Amaryllidaceae.**

No. A-39. Between Alexandria and Grahamstown.

**194171. CRINUM sp. Amaryllidaceae.**

No. A-47. Ten miles north of Fort Beaufort.

**194172 and 194173. HAEMANTHUS ALBIFLOS Jacq. Amaryllidaceae.**

194172. No. A-40. *April Fool*. Between Port Alfred and Grahamstown.

194173. No. A-45. Braeside, 10 miles west of Fort Beaufort.

**194174. HAEMANTHUS PUNICEUS L.**

No. A-46. *April Fool*. Braeside, 10 miles west of Fort Beaufort.

**194175. HYPOXIS MULTICEPS Buching. Amaryllidaceae.**

No. A-37. Port Alfred-Grahamstown road.

**194176. ORNITHOGALUM sp. Liliaceae.**

No. A-35. Grahamstown road.

**194177. SCILLA LANCEAEFOLIA (Jacq.) Baker. Liliaceae.**

No. A-38. Port Alfred-Grahamstown west road.

**194178. URGINEA ALTISSIMA (L.f.) Baker. Liliaceae.**

No. A-34. Ten miles south of Grahamstown.

**194179. ALBUCA SETOSA Jacq. Liliaceae.**

No. A-41. Grahamstown-Fort Beaufort road.

**194180. ALBUCA FLACCIDA Jacq.**

No. A-43. Fort Fordyce Forestry Station, 17 miles north of Fort Beaufort.

**194181. PHASEOLUS VULGARIS L. Fabaceae. Common bean.**

From Ohio. Seeds presented by C. A. Zeigler, Sugarcreek, through Max M. Hoover, Plant Introduction Station, Ames, Iowa. Received Feb. 27, 1951.

Early bush bean; pods edible, good flavor.

**194182 to 194184. VITIS VINIFERA L. Vitaceae. European grape.**

From France. Cuttings presented by the École Nationale d'Agriculture, Montpellier. Received Feb. 27, 1951.

## 194182 to 194184.—Continued

194182. *Aestivalis* No. 2.194183. *Aestivalis* No. 13.194184. *Aestivalis* No. 20.194185. EUCHLAENA MEXICANA Schrad. Poaceae. **Teosinte.**

From Guatemala. Seeds presented by Father Paul Sommers, Maryknoll Fathers, Jacaltenango, Huehuetenango. Received Feb. 28, 1951.

From near Santa Ana Huista.

194186. PHASEOLUS VULGARIS L. Fabaceae. **Common bean.**

From Guatemala. Seeds obtained by Robert C. Moncure, Office of Foreign Agricultural Relations, United States Department of Agriculture. Received Feb. 28, 1951.

*Sesenta Dias.* Below Jacaltenango, Huehuetenango, in limestone and sandstone; 2,000 to 3,500 feet altitude.

## 194187. PYRUS SEROTINA Rehd. Malaceae.

From Japan. Seeds presented by General Douglas MacArthur, through Lt. Col. D. T. Hamersley, GHSC, Toyko. Received Feb. 28, 1951.

194188 to 194198. POPULUS spp. Salicaceae. **Poplar.**

From the Netherlands. Cuttings presented by the Nederlandsche Heide-maatschappij, Arnhem. Received Feb. 28, 1951.

194188. *POPULUS ANGULATA* Ait.194189. *POPULUS DELTOIDES* var. *MISSOURIENSIS* Henry.194190. × *POPULUS EUGENEI* Simon-Louis.194191. *POPULUS GELRICA* Houtzag.194192. × *POPULUS CANADENSIS* var. *MARILANDICA* (Poir.) Rehd.194193. × *POPULUS CANADENSIS* var. *REGENERATA* (Henry) Rehd.194194. × *POPULUS CANADENSIS* var. *ERECTA* (Selys-Longch.) Rehd.194195. × *POPULUS ROBUSTA* (Simon-Louis) Schneid.194196. × *POPULUS CANADENSIS* var. *SEROTINA* (Hartig) Rehd.194197. × *POPULUS CANADENSIS* var. *ERECTA* (Selys-Longch.) Rehd.194198. × *POPULUS VERNIRUBENS* A. Henry.194199. MALUS SYLVESTRIS Mill. Malaceae. **Apple.**

From England. Cuttings presented by J. M. S. Potter, Royal Horticultural Society Gardens, Wisley, Surrey. Received Mar. 1, 1951.

*Bowden Seedling.*

## 194200. LESPEDEZA STRIATA (Thunb.) Hook. &amp; Arn. Fabaceae.

From Australia. Seeds presented by N. S. Shirlow, Department of Agriculture, Sydney, New South Wales. Received Mar. 1, 1951.

## 194201. AVENA STRIGOSA Schreb. Poaceae.

From Uruguay. Seeds presented by the Director, Instituto Fitotecnico y Semillero Nacional, Montevideo. Received Mar. 1, 1951.

## 194202 to 194215. VIGNA SINENSIS (Torner) Savi. Fabaceae.

**Cowpea.**

From Maryland. Seeds obtained through the Division of Forage Crops and Diseases, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Mar. 1, 1951.

**194202 to 194215.—Continued**

Hybrids from  $F_4$  lines advanced to  $F_6$  generation. Highly resistant to bacterial canker; developed through field and greenhouse propagation at Beltsville.

**194202 to 194205.** Cross #33 (23) *Blackeye*  $\times$  (7) *Iron*.

194202. R 23.

194204. R 35.

194203. R 33.

194205. R 37.

**194206 to 194215.** Cross #44 (27) *Chinese Red*  $\times$  (7) *Iron*.

194206. R 43.

194211. R 63.

194207. R 49.

194212. R 65.

194208. R 53.

194213. R 67.

194209. R 55.

194214. R 69.

194210. R 57.

194215. R 71.

**194216 and 194217.** PRUNUS MAHALEB L. Amygdalaceae.  
**Mahaleb cherry.**

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered Mar. 7, 1951.

**194216.** Open-pollinated seedling of seedling R-16 (PI 134246) introduced as seeds from the Soviet Union.

**194217.** Open-pollinated seedling R-800 Y (PI 134246) introduced as seeds from the Soviet Union.

**194218 to 194220.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Mar. 2, 1951.

**194218.** CITRUS RETICULATA Blanco. Rutaceae. **Mandarin orange.**

No. 9494. Shop, Addis Ababa. Jan. 28, 1951. Cultivated tangerine.

**194219.** PHOENIX ABYSSINICA Drude. Phoenicaceae. **Palm.**

No. 9627. Front of Ras Desta Hospital, Addis Ababa. Feb. 5, 1951.

**194220.** ZANTEDESCHIA AETHIOPICA (L.) Spreng. Araceae.  
**Common calla.**

No. 9601. Farm, near Guder. Jan. 30, 1951.

**194221 to 194225.**

From the Union of South Africa. Collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Mar. 2, 1951.

Collected in 1951, in Cape Province.

**194221.** AGAPANTHUS AFRICANUS (L.) Hoffmgg. Liliaceae.

No. A-30. Long Ridge farm, 9 miles east of Plettenberg Bay. Mar. 2. (Roots.)

**194222.** CHLOROPHYTUM CAPENSE (L.) Kuntze. Liliaceae.

No. A-28. Seven miles east of George, upper road to Knysna. Feb. 5. (Tubers.)

**194223.** URGINEA sp. Liliaceae.

No. A-27. National highway between Albertinia and Mossel Bay. Feb. 4. (Bulbs.)

**194224.** WATSONIA sp. Iridaceae.

No. A-31. Twenty miles east of Plettenberg Bay. Flowers pink to deep coral pink. Feb. 6. (Bulbs.)

## 194221 to 194225.—Continued

194225. *WATSONIA MERIANA* (L.) Miller.

No. A-32. Near Elands River on national road. Flowers salmon.  
Feb. 6. (Bulbs.)

194226. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae. **Cabbage.**

From Germany. Seeds presented by Conrad H. Hammar, Food and Agriculture Organization, Frankfurt. Received Mar. 2, 1951.

194227 and 194228. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

From Yugoslavia. Seeds presented by Branco Secen, Zagreb. Received Mar. 2, 1951.

194227. Mixture of varieties from all parts of Croatia.

194228. Local variety from Djurdjevac.

194229 to 194232. *HIBISCUS CANNABINUS* L. Malvaceae. **Kenaf.**

From the Union of South Africa. Seeds presented by Pieter Kock, South African Department of Agriculture, Pretoria, Transvaal. Received Mar. 2, 1951.

194229. Brazilian. *São Francisco.*

194230. Brazilian. *São Francisco.*

194231. Egyptian. *Cannabis Leaf.*

194232. Egyptian. *Cotton Leaf.*

194233 to 194235. *DIOSCOREA* spp. Dioscoreaceae.

From El Salvador. Tubers presented by Dr. J. Guiscafne-Arrillaga, Santa Tecla. Received Mar. 5, 1951.

194233. *DIOSCOREA* sp.

*Barbados.*

194234. *DIOSCOREA* sp.

*Ceylon.*

194235. *DIOSCOREA* sp.

*Ceylon Morado.*

194236. *PRUNUS AVIUM* L. Amygdalaceae. **Sweet cherry.**

From England. Rootstocks presented by the East Malling Research Station, East Malling, Kent. Received Mar. 5, 1951.

194237. *PRUNUS PERSICA* (L.) Batsch. Amygdalaceae. **Peach.**

From Italy. Cuttings presented by Arturo Ansalori, Bologna. Received Mar. 5, 1951.

*Madame Kira Evreinoff.*

194238. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

From China. Seeds presented by the Pacific Vegetable Oil Corporation, San Francisco, Calif. Received Mar. 5, 1951.

194239 and 194240.

From Sweden. Cuttings presented by Dr. Frederik Nilsson, Horticultural Research Station, Alnarp, Akarp. Received Mar. 7 and 8, 1951.

194239. *PRUNUS AVIUM* L. Amygdalaceae. **Sweet cherry.**

*Tetraploid.*

194240. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**

To be tested as stock.

**194241 and 194242. PIPER NIGRUM L. Piperaceae. Black pepper.**

From India. Cuttings presented by the Madras Government Research Station, Taleparamba, Malabar. Received Mar. 8, 1951.

194241. *Balamkotta*.

194242. *Kalluvally*.

**194243 to 194390.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Mar. 6, 1951.

Collected Dec. 14, 1950 at the market in Jimma, unless otherwise noted.

194243. *AFRAMOMUM* sp. Zingiberaceae.

No. 9160.

194244. *AMMI COPTICUM* L. Apiaceae.

No. 9154. Dec. 2, 1950.

194245. *ANDROPOGON* sp. Poaceae.

No. 9205. Edge of airport field, Jimma.

194246 to 194250. *ARACHIS HYPOGAEA* L. Fabaceae.

**Peanut.**

Market, Addis Ababa. Dec. 19, 1950.

194246. No. 9211.

194249. No. 9214.

194247. No. 9212.

194250. No. 9215.

194248. No. 9213.

194251. *BRASSICA* sp. Brassicaceae.

No. 9137.

194252. *BRASSICA* sp.

No. 9138.

194253. *BRASSICA* sp.

No. 9139.

194254. *BRASSICA* sp.

No. 9140.

194255. *BRASSICA* sp.

No. 9141.

194256. *BRASSICA* sp.

No. 9191.

194257. *CANNA* sp. Cannaceae.

No. 8866. Garden, Addis Ababa. Nov. 18, 1950.

194258. *CANNA* sp.

No. 9207.

194259 to 194261. *CAPSICUM FRUTESCENS* L. Solanaceae.

**Redpepper.**

194259. No. 9146.

194260. No. 9147.

194261. No. 9148.

194262 and 194263. *CARICA PAPAYA* L. Caricaceae.

**Papaya.**

194262. No. 9172.

194263. No. 9173.

## 194243 to 194390.—Continued

194264. *COFFEA* sp. Rubiaceae. **Coffee.**  
No. 9129.
194265. *COFFEA* sp.  
No. 9130.
194266. *COFFEA* sp.  
No. 9131.
194267. *CROTALARIA INCANA* L. Fabaceae.  
No. 9199. Airport, Jimma.
- 194268 and 194269. *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**  
194268. No. 9062. Market, Addis Ababa. Dec. 1, 1950.  
194269. No. 9216. Shop, Addis Ababa. Dec. 19, 1950.
194270. *DRACAENA* sp. Liliaceae.  
No. 9206. *Algi*. Jimma.
- 194271 to 194274. *GOSSYPIUM*. Malvaceae. **Cotton.**  
194271. No. 9142. 194273. No. 9144.  
194272. No. 9143. 194274. No. 9145.
- 194275 and 194276. *GUIZOTIA ABYSSINICA* (L.f.) Cass. Asteraceae.  
194275. No. 9070. Blue Nile. Dec. 2, 1950.  
194276. No. 9152.
- 194277 to 194298. *HORDEUM* spp. Poaceae. **Barley.**  
194277. *HORDEUM VULGARE* L. **Common barley.**  
No. 9106.
- 194278 and 194279. *HORDEUM DEFICIENS* Steud. **Deficient barley.**  
194278. No. 9107.  
194279. No. 9108.
- 194280 to 194284. *HORDEUM VULGARE* L. **Common barley.**  
194280. No. 9109. 194283. No. 9112.  
194281. No. 9110. 194284. No. 9113.  
194282. No. 9111.
194285. *HORDEUM DEFICIENS* Steud. **Deficient barley.**  
No. 9114.
- 194286 to 194289. *HORDEUM VULGARE* L. **Common barley.**  
194286. No. 9115. 194288. No. 9117.  
194287. No. 9116. 194289. No. 9118.
194290. *HORDEUM DEFICIENS* Steud. **Deficient barley.**  
No. 9119.
- 194291 to 194294. *HORDEUM VULGARE* L. **Common barley.**  
194291. No. 9120. 194293. No. 9122.  
194292. No. 9121. 194294. No. 9123.
194295. *HORDEUM DEFICIENS* Steud. **Deficient barley.**  
No. 9124.
194296. *HORDEUM VULGARE* L. **Common barley.**  
No. 9125.

194243 to 194390.—Continued

194277 to 194298.—Continued

194297. *HORDEUM DEFICIENS* Steud. Deficient barley.  
No. 9126.
194298. *HORDEUM VULGARE* L. Common barley.  
No. 9189.
- 194299 to 194303. *LEPIDIUM SATIVUM* L. Brassicaceae. Garden cress.
194299. No. 9155. Market, Addis Ababa. 194302. No. 9158.
194300. No. 9156. 194303. No. 9159.
194301. No. 9157.
- 194304 to 194306. *LINUM USITATISSIMUM* L. Linaceae. Flax.
194304. No. 9149.
194305. No. 9150.
194306. No. 9151.
- 194307 and 194308. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
194307. No. 9174.
194308. No. 9175.
194309. *MYRSINE* sp. Myrsinaceae.
- No. 9064. *Cachema*. Addis Ababa. Dec. 8, 1950. Tapeworm remedy.
194310. *MYRSINE* sp.
- No. 9065. *Incoco*. Addis Ababa. Dec. 8, 1950. Tapeworm remedy.
194311. *NIGELLA SATIVA* L. Ranunculaceae. Black cumin.  
No. 9153. *Abosda*.
194312. *CHLORIS PYCNOTHRIX* Trin. Poaceae.  
No. 9202. Jimma.
- 194313 to 194315. *PHASEOLUS LUNATUS* L. Fabaceae. Lima bean.
194313. No. 9385. Abasamuele. Jan. 2, 1951.
194314. No. 9128.
194315. No. 9198.
- 194316 to 194337. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.  
From Addis Ababa. December 1950.
194316. No. 9218. 194327. No. 9229.
194317. No. 9219. 194328. No. 9230.
194318. No. 9220. 194329. No. 9230.
194319. No. 9221. 194330. No. 9230.
194320. No. 9222. 194331. No. 9230.
194321. No. 9223. 194332. No. 9230.
194322. No. 9224. 194333. No. 9230.
194323. No. 9225. 194334. No. 9230.
194324. No. 9226. 194335. No. 9230.
194325. No. 9227. 194336. No. 9230.
194326. No. 9228. 194337. No. 9232.

## 194243 to 194390.—Continued

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|---|-------------------|---------------|
| 194338 to 194350. PISUM SATIVUM L. Fabaceae.          |                   | Pea.          |
| 194338. No. 9095.                                     | 194345. No. 9101. |               |
| 194339. No. 9096.                                     | 194346. No. 9102. |               |
| 194340. No. 9097.                                     | 194347. No. 9103. |               |
| 194341. No. 9098.                                     | 194348. No. 9104. |               |
| 194342. No. 9094.                                     | 194349. No. 9105. |               |
| 194343. No. 9099.                                     | 194350. No. 9190. |               |
| 194344. No. 9100.                                     |                   |               |
| 194351. PSIDIUM GUAJAVA L. Myrtaceae.                 |                   | Guava.        |
| No. 9054. <i>Zeitum</i> . Market, Bishoftu.           |                   |               |
| 194352. SOLANUM sp. Solanaceae.                       |                   |               |
| No. 9171. <i>Bruto</i> .                              |                   |               |
| 194353 to 194357. SORGHUM VULGARE Pers. Poaceae.      |                   |               |
| 194353. No. 9183.                                     | 194356. No. 9186. |               |
| 194354. No. 9184.                                     | 194357. No. 9187. |               |
| 194355. No. 9185.                                     |                   |               |
| 194358 to 194374. TRITICUM AESTIVUM L. Poaceae.       |                   | Common wheat. |
| 194358. No. 9077.                                     | 194367. No. 9086. |               |
| 194359. No. 9078.                                     | 194368. No. 9087. |               |
| 194360. No. 9079.                                     | 194369. No. 9088. |               |
| 194361. No. 9080.                                     | 194370. No. 9089. |               |
| 194362. No. 9081.                                     | 194371. No. 9090. |               |
| 194363. No. 9082.                                     | 194372. No. 9091. |               |
| 194364. No. 9083.                                     | 194373. No. 9092. |               |
| 194365. No. 9084.                                     | 194374. No. 9093. |               |
| 194366. No. 9085.                                     |                   |               |
| 194375. TRITICUM DICOCCUM Schrank. Poaceae.           |                   | Emmer.        |
| No. 9076.   |                   |               |
| 194376. TRITICUM spp.                                 |                   |               |
| No. 9188. Mixed species of cultivated wheat.          |                   |               |
| 194377 to 194382. VICIA FABA L. Fabaceae.             |                   | Broadbean.    |
| 194377. No. 9132.                                     |                   |               |
| 194378. No. 9133.                                     |                   |               |
| 194379. No. 9134.                                     |                   |               |
| 194380. No. 9135.                                     |                   |               |
| 194381. No. 9136.                                     |                   |               |
| 194382. No. 9217. Shop, Addis Ababa. Dec. 19, 1950.   |                   |               |
| 194383. ZANTEDESCHIA AETHIOPICA (L.) Spreng. Araceae. |                   | Common calla. |
| No. 9231. Addis Ababa. Oct. 2, 1950.                  |                   |               |
| 194384 to 194390. ZEA MAYS L. Poaceae.                |                   | Corn.         |
| 194384. No. 9176.                                     | 194388. No. 9180. |               |
| 194385. No. 9177.                                     | 194389. No. 9181. |               |
| 194386. No. 9178.                                     | 194390. No. 9182. |               |
| 194387. No. 9179.                                     |                   |               |

**194391 to 194397.**

From Uruguay. Seeds presented by Alberto Basso, Montevideo. Received Mar. 7, 1951.

- 194391. *AGROPYRON* sp. Poaceae.
- 194392. *DACTYLIS GLOMERATA* L. Poaceae. Orchard grass.
- 194393. *HORDEUM STENOSTACHYS* Godr. Poaceae.
- 194394. *LOLIUM MULTIFLORUM* Lam. Poaceae. Italian ryegrass.
- 194395. *LOLIUM* sp.
- 194396. *POA LANIGERA* Nees. Poaceae.
- 194397. *VICIA FULGENS* Batt. Fabaceae.

**194398 and 194399. ALLIUM ASCALONICUM L. Liliaceae. Shallot.**

From the Netherlands. Bulbs presented by Dr. O. Banga, Director, Instituut voor Veredeling van Tuinbouwgewassen, Wageningen. Received Mar. 9, 1951.

- 194398. No. 51002. *Noord Hollandanse Strogele.*
- 194399. No. 51001. *Ouddorpse Bruine.*

**194400 to 194419. TRIFOLIUM SUBTERRANEUM L. Fabaceae. Subterranean clover.**

From Australia. Seeds presented by Dr. William Hartley, Commonwealth Scientific and Industrial Research Organization, Canberra, A.C.T. Received Mar. 7, 1951.

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|-------------------------------|------------------------------------|
| 194400. <i>Bacchus Marsh.</i> | 194410. <i>Mulwala.</i>            |
| 194401. <i>Bunerang.</i>      | 194411. <i>Nangecla.</i>           |
| 194402. <i>Daliah.</i>        | 194412. <i>New Northern Early.</i> |
| 194403. <i>Dwalganup.</i>     | 194413. <i>Northam.</i>            |
| 194404. <i>Edenhope.</i>      | 194414. <i>Samaria.</i>            |
| 194405. <i>Kybybolite.</i>    | 194415. <i>Seaton Park.</i>        |
| 194406. <i>McArthur.</i>      | 194416. <i>Smeaton.</i>            |
| 194407. <i>Merino.</i>        | 194417. <i>Wallendbeen.</i>        |
| 194408. <i>Milton.</i>        | 194418. <i>Yea.</i>                |
| 194409. <i>Mt. Barker.</i>    | 194419. <i>Yarloop.</i>            |

**194420 to 194427.**

From Sweden. Presented by Dr. Frederik Nilsson, Alnarp, Akarp. Received Mar. 8, 1951.

- 194420. *MALUS SYLVESTRIS* Mill. Malaceae. Apple.  
*Spasserud.* (Scions.)
- 194421. *PYRUS COMMUNIS* L. Malaceae. Pear.  
*Charnin.* (Scions.)
- 194422 to 194425. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.  
(Budsticks.)
- 194422. *Horno Bigarreau.* 194424. *Sestervik.*
- 194423. *Ranna Semi-bigarreau.* 194425. *Vimmerby.*
- 194426 and 194427. *RUBUS.* Rosaceae.
- 194426. *Miranda.* (Plants.)
- 194427. *Mitra.* (Plants.)

**194428 to 194435.**

From the Union of South Africa. Bulbs collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Mar. 9, 1951.

Collected Feb. 20, 1951.

194428. *AMMOCHARIS* sp. Amaryllidaceae.

No. A-53. East of Pietermaritzburg, Natal Province.

194429. *DIOSCOREA DREGEANA* Baker. Dioscoreaceae.

No. A-51. Base of World's View Hill, 8 miles west of Pietermaritzburg, Natal Province.

194430. *DIOSCOREA MALIFOLIA* Baker.

No. A-52. Base of World's View Hill, 8 miles west of Pietermaritzburg, Natal Province.

194431. *HYPOXIS ROOPERII* T. Moore. Amaryllidaceae.

No. A-50. On road to Pietermaritzburg, 109 miles from Kokstad, Cape Province.

194432. *HYPOXIS* sp.

No. A-48. On Pietermaritzburg road, 14 miles from Kokstad, Cape Province.

194433. *SCILLA* sp. Liliaceae.

No. A-54. Five miles east of Pietermaritzburg, Natal Province.

194434. *SCILLA* sp.

No. A-55. Five miles east of Pietermaritzburg, Natal Province.

194435. *WATSONIA* sp. Iridaceae.

No. A-49. On road to Pietermaritzburg, 25 miles from Kokstad, Cape Province. Flowers pink.

**194436 to 194438. GLADIOLUS spp. Iridaceae.**

From Colombia. Bulbs presented by V. R. Gardner, Bogotá. Received Mar. 12, 1951.

194436. *GLADIOLUS*.

194437. *GLADIOLUS PSITTACINUS* Hook.

194438. *GLADIOLUS* sp.

**194439 to 194446. CAMELLIA JAPONICA L. Theaceae.****Common camellia.**

From Japan. Seeds obtained from Tokyo through E. B. Coffman, Natural Resources Section, SCAP, c/o Postmaster, San Francisco, Calif. Received Mar. 12, 1951.

194439. *Haruno-akebono*. 194443. No. I.

194440. *Tukimi-guruma*. 194444. No. II.

194441. *Iwane-shibori*. 194445. Mixed.

194442. Flowers large and red. 194446. Mixed.

**194447 to 194450. PRUNUS PERSICA (L.) Batsch. Amygdalaceae.**  
**Peach.**

From Canada. Cuttings presented by the Vineland Horticultural Station, Vineland, Ontario. Received Mar. 13, 1951.

194447. *Erlyvee*. 194449. *Vesper*.

194448. *Somervee (39011)*. 194450. *39082*.

- 194451.** *PSIDIUM GUAJAVA* L. Myrtaceae. **Guava.**  
From Brazil. Seeds presented by the Instituto Agronómico do Norte, Belém, Pará. Received Mar. 16, 1951.
- 194452 to 194476.**  
From Israel. Seeds presented by Dr. Michael Zohary, Hebrew University, Jerusalem. Received Mar. 14, 1951.
- 194452.** *ANDROPOGON DISTACHYON* L. Poaceae.
- 194453 and 194454.** *BROMUS SYRIACUS* Boiss. & Blanche. Poaceae.
- 194455 to 194457.** *DACTYLIS GLOMERATA* L. Poaceae. **Orchard grass.**
- 194455.** (No special note.)
- 194456 and 194457.** Near Daliya, Samarian Mountains.
- 194458 to 194460.** *HORDEUM BULBOSUM* L. Poaceae. **Barley.**
- 194458.** Near Matzuba, western Lower Galilee.
- 194459.** Near Daliya, Samarian Mountains.
- 194460.** Near Matzuba, western Lower Galilee.
- 194461 to 194463.** From near Jerusalem.
- 194461.** *LAMARCKIA AUREA* (L.) Moench. Poaceae.
- 194462.** *MEDICAGO HISPIDA* Gaertn. Fabaceae. **Burelover.**
- 194463.** *MEDICAGO ORBICULARIS* (L.) All. **Button clover.**
- 194464 to 194469.** From near Matzuba, western Lower Galilee.
- 194464 to 194466.** *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae.
- 194464.** No. 1.
- 194465.** No. 2.
- 194466.** No. 3.
- 194467 to 194469.** *ORYZOPSIS MILIACEA* (L.) Benth. & Hook.
- 194467.** No. 1.
- 194468.** No. 2.
- 194469.** No. 3.
- 194470 and 194471.** *PHALARIS NODOSA* L. Poaceae.  
Near Eilon, western Upper Galilee.
- 194470.** No. 1.
- 194471.** No. 2.
- 194472.** *STIPA BROMOIDES* (L.) Beck. Poaceae.  
Near Matzuba, western Lower Galilee.
- 194473.** *TRIFOLIUM CAMPESTRE* Schreb. Fabaceae.  
Near Matzuba, western Lower Galilee.
- 194474.** *TRIFOLIUM STENOPHYLLUM* Boiss.  
Near Tel Aviv, Plain of Sharon.
- 194475.** *TRIFOLIUM* sp.  
Near Jerusalem.
- 194476.** *TRIGONELLA ARABICA* Delile. Fabaceae.  
Near Beersheba.
- 194477 and 194478.** *RUBUS* spp. Rosaceae.  
From Tennessee. Plants growing at the Agricultural Experiment Station, Knoxville. Numbered Mar. 14, 1951.

## 194477 and 194478.—Continued

194477. *RUBUS LUDWIGII* Eckl. & Zeyh.

A South African species that resembles *R. occidentalis* in habit and appearance. The acid fruits are somewhat larger than those of *R. occidentalis*.

194478. *RUBUS ALBESCENS* Roxb.

Mysore raspberry.

A vigorous erect bushy species from eastern India. The small, dull-black fruits are moderately firm, sweet, and of good quality.

## 194479 to 194492.

From the Union of South Africa. Bulbs collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md.

From Transvaal unless otherwise noted. Collected in 1951.

194479. *BOOPHONIA DISTICHA* (L.f.) Herbert. Amaryllidaceae.

No. A-59. Hoorn's Nek, 12 miles northwest of Pretoria. Mar. 1.

194480. *BOWIEA VOLUBILIS* Hook. f. Liliaceae.

No. A-58. Hoorn's Nek, 12 miles northwest of Pretoria. Mar. 1.

194481. *CRINUM* sp. Amaryllidaceae.

No. A-63. Pretoria University Farm. Mar. 1.

194482. *CRINUM* sp.

No. A-66. Onderstepoort, 6 miles north of Pretoria. Mar. 1.

194483. *HAEMANTHUS NELSONII* Baker. Amaryllidaceae.

No. A-57. Hoorn's Nek, 12 miles northwest of Pretoria. Mar. 1.

194484. *HYPOXIS* sp. Amaryllidaceae.

No. A-64. Pretoria University Farm. Mar. 1.

194485. *HYPOXIS RIGIDULA* Baker.

No. A-65. Pretoria University Farm. Mar. 1.

194486. *SCILLA NATALENSIS* Planch. Liliaceae.

No. A-67. Pretoria University Farm. Mar. 1.

194487. *SCILLA* sp.

No. A-62. Pretoria University Farm. Mar. 1.

194488. *SCILLA* sp.

No. A-60. Hoorn's Nek, 12 miles northwest of Pretoria. Mar. 1.

194489. *TULBAGHIA FRAGRANS* Verdoorn. Liliaceae.

No. A-68. Pretoria University Farm. Mar. 1.

194490. *URGINEA BURKEI* Baker. Liliaceae.

No. A-61. Four miles north of Pretoria. Mar. 1.

194491. *HAEMANTHUS CONCOLOR* Herb. Amaryllidaceae.

No. A-15. Near Glenview, Cape Province. Feb. 12.

194492. *SCILLA MEGAPHYLLA* Baker. Liliaceae.

No. A-56. Between Hlabisa and Nongoma (Zululand), Natal. Feb. 26.

## 194493 to 194521.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered Mar. 15, 1951.

Localities given are those from which seeds were originally received.

## 194493 to 194521.—Continued

194493. *ACACIA EBURNEA* (L.) Willd. Mimosaceae.  
India, through E. A. Menninger, Stuart, Fla.
194494. *ATALAYA HEMIGLAUCA* F. Muell. Sapindaceae.  
Adel's Grove Botanic Gardens, Queensland, Australia.
194495. *BAIKIAEA FLURIJUGA* Harms. Caesalpiaceae.  
Rhodesia, through E. A. Menninger, Stuart, Fla.
- 194496 and 194497. *BAUHNIA CUNNINGHAMII* Benth. Caesalpiaceae.  
From Adel's Grove Botanic Gardens, Queensland, Australia.
194496. *Rosea*.
194497. Typical form.
194498. *COCHLOSPERMUM GOSSYPIUM* (L.) DC. Cochlospermaceae.  
India, through E. A. Menninger, Stuart, Fla.
194499. *CORDIA GLOBOSA* H.B.K. Boraginaceae.  
Hubert L. Smith, Tampa, Fla.
194500. *LINOMA ALBA* (Bory) O.F. Cook. Phoenicaceae. **Palm.**  
Haiti, through Dr. David Fairchild, Coconut Grove, Fla. Received as var. *furfurascens*, an apparently unpublished name.
194501. *DOMBEYA NAIROBENSIS* Engler. Sterculiaceae.  
Kenya, through E. A. Menninger, Stuart, Fla.
194502. *ERYTHRINA VARIEGATA* Stickm. Fabaceae.  
Cuddapah, southern India, through E. A. Menninger, Stuart, Fla.
194503. *ERYTHROXYLON* sp. Erythroxylaceae.  
Received as *E. havanense*, an apparently unpublished name.
194504. *EUCALYPTUS CLAVIGERA* A. Cunn. Myrtaceae.  
Adel's Grove Botanic Gardens, Queensland, Australia.
194505. *GREWIA SALVIFOLIA* Heyne. Tiliaceae.  
India, through E. A. Menninger, Stuart, Fla.
194506. *HIBISCUS* sp. Malvaceae.  
Quito, Ecuador, through P. W. Trout, Jacksonville, Fla.
194507. *LAGERSTROEMIA TOMENTOSA* Presl. Lythraceae.  
Atkins Garden, Harvard University, Cienfuegos, Cuba.
194508. *LEPTOSPERMUM ERICOIDES* A. Rich. Myrtaceae.  
Kenya, through E. A. Menninger, Stuart, Fla.
194509. *LEUCAENA TRICHODES* (Jacq.) Benth. Mimosaceae.  
Fairchild Tropical Garden, Coconut Grove, Fla.
194510. *MELALEUCA LINARIIFOLIA* J. E. Smith. Myrtaceae.  
From E. A. Menninger, Stuart, Fla.
194511. *MUSSAENDA* sp. Rubiaceae.  
India. Kingdon-Ward Expedition No. 17572.
194512. *NAUCLEA RETICULATA* Havil. Rubiaceae.  
From R. E. Wiseman, Miami, Fla.
194513. *NEWBOULDIA LAEVIS* Seem. Bignoniaceae.  
From Col. Robert Montgomery, Coconut Grove, Fla.

## 194493 to 194521.—Continued

194514. *PTEROSPERMUM ACERIFOLIUM* (L.) Willd. Sterculiaceae.

Forest Research Institute, New Forest, Dehra Dun, India, through E. A. Menninger, Stuart, Fla.

194515. *SESBANIA TOMENTOSA* Hook. & Arn. Fabaceae.

(No data concerning origin.)

194516. *SOLANUM SISYMBRIFOLIUM* Lam. Solanaceae.

*Joa.* Brazil, through Mrs. John Turner, Miami, Fla.

194517. *SOYMIDA FEBRIFUGA* (Roxb.) Juss. Meliaceae.

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

194518. *STERCULIA TRICHOSIPHON* Benth. Sterculiaceae.

Adel's Grove Botanic Gardens, Queensland, Australia.

194519. *SYNCARPIA GLOMULIFERA* (J. E. Sm.) Ndzu. Myrtaceae.

Hawaii, through H. F. Clay, University of Hawaii, Honolulu.

194520. *TECOMA MOLLIS* H.B.K. Bignoniaceae.

Adel's Grove Botanic Gardens, Queensland, Australia.

194521. *VITEX ALTISSIMA* L. Verbenaceae.

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

194522 and 194523. *CITRUS LIMON* (L.) Burm. f. Rutaceae.

**Lemon.**

From Italy. Seeds presented by the Stazione Sperimentale de Agrumicultura e Fruticultura, Acireale. Received Mar. 15, 1951.

194522. *Femminello.*

194523. *Monachello.*

## 194524 to 194527.

From Sweden. Seeds presented by the Jardin Botanique, Universite d'Uppsala. Received Mar. 15, 1951.

194524. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae.

**Lupine.**

194525. *LUPINUS ORNATUS* Dougl.

194526. *LUPINUS POLYPHYLLUS* Lindl.

**Washington lupine.**

194527. *TRIFOLIUM LUPINASTER* L. Fabaceae.

194528. *LUPINUS POLYPHYLLUS* Lindl. Fabaceae.

**Washington lupine.**

From Belgium. Seeds presented by Dr. E. J. B. Verleyen, Plantentuin van Antwerpen, Antwerp. Received Mar. 15, 1951.

## 194529 and 194530.

From Puerto Rico. Seeds presented by the University of Puerto Rico, Río Piedras. Received Mar. 16, 1951.

194529. *MELINIS MINUTIFLORA* Beauv. Poaceae.

**Molasses grass.**

194530. *PUERARIA PHASEOLOIDES* (Roxb.) Benth. Fabaceae.

194531. *VITIS VINIFERA* L. Vitaceae.

**European grape.**

From England. Cuttings presented by Clarence Elliott, Rectory Farm, Moreton-in-Marsh, Gloucestershire. Received Mar. 20, 1951.

*Strawberry.*

**194532 to 194535. TRIFOLIUM PRATENSE L. Fabaceae.****Red clover.**

From England. Seeds presented by the Ministry of Agriculture, London.  
Received Feb. 20, 1951.

194532. *Cotswold Broad.*194533. *Dorset Marl Broadleaf.*194534. *Essex Broad.*194535. *Genuine Stock Dorset Marlygrass.***194536 to 194540.**

From Ethiopia. Collected by W. A. Archer, Agricultural Explorer, Bureau  
of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md.  
Mar. 16, 1951.

From the market, Gondar. Dec. 31, 1950.

194536. *ALLIUM CEPA L. Liliaceae.***Onion.**

No. 9338. (Bulbs.)

194537 to 194539. *SOLANUM TUBEROSUM L. Solanaceae.***Potato.**

194537. No. 9334. (Tubers.)

194538. No. 9335. (Tubers.)

194539. No. 9336. (Tubers.)

194540. *ZINGIBER OFFICINALE Roscoe. Zingiberaceae.***Ginger.**

No. 9337. (Roots.)

**194541 to 194548.**

From Japan. Seeds presented by E. B. Coffman, SCAP, Natural Resources  
Section, c/o Postmaster, San Francisco, Calif. Received Mar. 19, 1951.

194541. *AQUILEGIA FLABELLATA Sieb. & Zucc. Ranunculaceae.*194542. *DIANTHUS JAPONICUS Thunb. Caryophyllaceae.*194543. *GERANIUM NEPALENSE var. THUNBERGII Kudo. Geraniaceae.**Roseum.*194544. *GERANIUM YEDOENSE Franch. & Sav.*194545. *GERANIUM YEDOENSE var. NIPPONICUM Nakai.*194546. *HYPERICUM SENANENSE Maxim. Hypericaceae.*194547. *LILIUM CORDIFOLIUM Thunb. Liliaceae.*194548. *RHODODENDRON BRACHYCARPUM var. ROSAEFLORUM Miyoski. Eri-  
caceae.***194549 to 194559. HORDEUM spp. Poaceae.****Barley.**

From Germany. Seeds presented by Prof. Th. Roemer-Halle, c/o  
Verlag Paul Parey, American Sector, Berlin. Received Mar. 19, 1951.

194549 and 194550. *HORDEUM VULGARE L.***Common barley.**194549. *Chinko.*194550. *HES Lyallpru 3645.*194551. *HORDEUM DISTICHON L.**M 892 (Smooth.)*194552 and 194553. *HORDEUM VULGARE L.***Common barley.**194552. *Nepal (Naked.)*194553. *Ragusa.*

**194549 to 194559.—Continued**

194554 to 194559. HORDEUM DISTICHON L.

194554. *Saalgeberste.*

194555. *Stamm JH 538946.*

194556. *Stamm 583449.*

194557. *Vogels Mehlttauresistente St. 62/125.*

194558. *Weihenstephaner II.*

194559. *Zeiners Flugrandres. Stamm 264 b.*

**194560 and 194561.**

From New York. Seeds presented by Mrs. James E. Winfield, Homestead Garden Club, Painted Post. Received Mar. 22, 1951.

194560. CAPSICUM FRUTESCENS L. Solanaceae. **Redpepper.**

Originally from Dr. C. F. Secord, Guatemala City, Guatemala. A black-seeded variety.

194561. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

*Mormon 50 Day.* Originally from Prof. Piovano, Mendoza, Argentina.

**194562 and 194563. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.**

From Egypt. Seeds presented by N. A. Koshairy, Director, Ministry of Agriculture, Giza, Orman. Received Mar. 23, 1951.

Originally from New Delhi, India. Local collection.

194562. *Giza I. Inermis.*

194563. *Giza II. Typicus.*

**194564. EUPHORBIA sp. Euphorbiaceae.**

From Ethiopia. Cuttings collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Mar. 23, 1951.

**194565 to 194608.**

From Guatemala. Seeds collected by O. W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Mar. 21, 1951.

Collected Mar. 3 to 5, 1951.

194565. BIXA ORELLANA L. Bixaceae. **Anatto-tree.**

No. 2508. Market, Antigua.

194566 to 194569. CAPSICUM FRUTESCENS L. Solanaceae. **Redpepper.**

194566 to 194568. Market, Antigua.

194566. No. 2505.

194567. No. 2506.

194568. No. 2507.

194569. No. 2542. Market, Chimaltenango.

194570. CUCURBITA MOSCHATA Duchesne. Cucurbitaceae. **Cushaw.**

No. 2543. Market, Chimaltenango.

194571 to 194588. PHASEOLUS VULGARIS L. Fabaceae. **Common bean.**

194571 to 194574. Market, Antigua.

194571. No. 2518.

194573. No. 2520.

194572. No. 2519.

194574. No. 2521.

## 194565 to 194608.—Continued

## 194571 to 194588.—Continued

194575 to 194578. Market, Chimaltenango.

194575. No. 2522. 194577. No. 2529.

194576. No. 2528. 194578. No. 2544.

194579 to 194588. Market, Sololá.

194579. No. 2546. 194584. No. 2553.

194580. No. 2548. 194585. No. 2556.

194581. No. 2549. 194586. No. 2557.

194582. No. 2550. 194587. No. 2558.

194583. No. 2552. 194588. No. 2560.

## 194589. PHASEOLUS sp.

No. 2501. Near Antigua.

## 194590. PHYSALIS sp. Solanaceae.

No. 2517. Market, Antigua.

## 194591 to 194608. ZEA MAYS L. Poaceae.

Corn.

194591 to 194593. From Antigua.

194591. No. 2502.

194592. No. 2503.

194593. No. 2504.

194594 to 194600. Market, Chimaltenango.

194594. No. 2526. 194598. No. 2539.

194595. No. 2527. 194599. No. 2540.

194596. No. 2537. 194600. No. 2541.

194597. No. 2538.

194601 to 194608. Market, Sololá.

194601. No. 2547. 194605. No. 2559.

194602. No. 2551. 194606. No. 2561.

194603. No. 2524. 194607. No. 2562.

194604. No. 2555. 194608. No. 2563.

## 194609 to 194623.

From Africa. Bulbs collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Mar. 23, 1951.

From Transvaal, Union of South Africa unless otherwise noted. Collected Mar. 6 to 10, 1951.

## 194609. BRUNSVIGIA sp. Amaryllidaceae.

No. A-69. Eleven miles south of Carolina. Flowers pink.

## 194610. BRUNSVIGIA sp.

No. A-83. Twelve miles from Lydenburg.

## 194611. CLIVIA CAULESCENS R. A. Dyer. Amaryllidaceae.

No. A-79. At tree line on pass over Mount Anderson, between Sabie and Lydenburg.

## 194612. CRINUM sp. Amaryllidaceae.

No. A-74. Nineteen miles west of Stegi, Swaziland.

## 194609 to 194623.—Continued

194613. *DIOSCOREA* sp. Dioscoreaceae.

No. A-81. Four miles from Graskop.

194614. (Undetermined.)

No. A-71. Four miles east of Lochiel. Leaves sword-shaped.

194615. *NERINE ANGSTIFOLIA* Baker. Amaryllidaceae.

No. A-72. Thirteen miles east of Lochiel. Flowers deep pink in terminal umbel.

194616. *ORNITHOGALUM* sp. Liliaceae.

No. A-77. Ten miles from Barberton. Flowers white, on 3-foot stalks.

194617. *SCILLA* sp. Liliaceae.

No. A-75A. Vicinity of Piggs Peak, Swaziland.

194618. *SCILLA* sp.

No. A-78. On pass over Mount Anderson, between Sabie and Lydenburg.

194619. (Undetermined.)

No. A-82. Five miles from Graskop. Rosette, with leaves up 2 feet long.

194620. *WATSONIA STRUBENIAE* L. Bolus. Iridaceae.

No. A-80. Ten miles south of Graskop. Flowers showy, pink-mauve, plants in clumps.

194621. *WATSONIA* sp.

No. A-70. Four miles east of Lochiel.

194622. *WATSONIA* sp.

No. A-75. Four miles north of Forbes Reef, Swaziland. Flowers showy, deep pink.

194623. *AGAPANTHUS PENDULUS* L. Bolus. Liliaceae.

No. A-73. Isateki Beacon, southwest of Stegi, Swaziland.

**194624 to 194656. *GLYCINE MAX* (L.) Merr. Fabaceae. Soybean.**

From Sweden. Seeds presented by Algot Holmberg and Sons, Ltd., Fiskerby, Norrköping, Sweden. Received Mar. 29, 1951.

194624.	291-1-2.	194641.	744-2.
194625.	292-1-20.	194642.	740-3.
194626.	634-7-64-1.	194643.	748-5.
194627.	698-1-1.	194644.	748-7.
194628.	698-1-2.	194645.	749-1.
194629.	698-3-4.	194646.	749-2.
194630.	698-3-5.	194647.	751-2.
194631.	699-2-1.	194648.	751-3.
194632.	699-2-4.	194649.	751-4.
194633.	733-4.	194650.	751-5.
194634.	737-1.	194651.	751-6.
194635.	738-3.	194652.	751-8.
194636.	738-4.	194653.	752-1.
194637.	738-6.	194654.	753-1.
194638.	740-1.	194655.	754-5.
194639.	741-1.	194656.	755-3.
194640.	744-1.		

**194657. CITRUS BERGAMIA** Risso. Rutaceae. **Bergamot orange.**

From Sicily. Seeds presented by the Experimental Station of Agriculture, Catania. Received Mar. 26, 1951.

**194658 to 194686. SOLANUM.** Solanaceae.

From Germany. Tubers presented by the Max Planck Institut für Züchtungsforschung, Hanover. Received Mar. 26, 1951.

194658. 50.145/1. [*(S. chaucha* × *rybinii*) × *tuberosum*] × *Flava*.  
 194659. 50.167/1. *Bona* × (*S. demissum* × *tuberosum*)  
 194660. 50.168/1. *Bona* × (*S. demissum* × *tuberosum*)  
 194661. 50.170/3. *Bona* × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194662. 50.170/4. *Bona* × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194663. 50.170/5. *Bona* × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194664. 50.170/6. *Bona* × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194665. 50.170/7. *Bona* × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194666. 50.172/1. *Bona* × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194667. 50.172/2. *Bona* × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194668. 50.182/1. *Fruhgold* × (*S. demissum* × *tuberosum*)  
 194669. 50.186/1. *Frühmolle* × (*S. demissum* × *tuberosum*)  
 194670. 50.186/2. *Frühmolle* × (*S. demissum* × *tuberosum*)  
 194671. 50.186/3. *Frühmolle* × (*S. demissum* × *tuberosum*)  
 194672. 50.186/4. *Frühmolle* × (*S. demissum* × *tuberosum*)  
 194673. 50.186/5. *Frühmolle* × (*S. demissum* × *tuberosum*)  
 194674. 50.187/1. *Frühmolle* × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194675. 50.191/1. *Frühmolle* × (*S. antipovichii* × *tuberosum*)  $F_2$   
 194676. 50.191/2. *Frühmolle* × (*S. antipovichii* × *tuberosum*)  $F_2$   
 194677. 50.192/1. *Vera* × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194678. 50.196/1. (*S. demissum* × *tuberosum*) × (*S. demissum* × *tuberosum*)  
 194679. 50.196/2. (*S. demissum* × *tuberosum*) × (*S. demissum* × *tuberosum*)  
 194680. 50.198/1. [*(S. demissum* × *andigenum*) × *tuberosum*] × [*(S. demissum* × *antigenum*) × *tuberosum*]  
 194681. 50.198/2. [*(S. demissum* × *andigenum*) × *tuberosum*] × [*(S. demissum* × *antigenum*) × *tuberosum*]  
 194682. 50.198/3. [*(S. demissum* × *andigenum*) × *tuberosum*] × [*(S. demissum* × *antigenum*) × *tuberosum*]  
 194683. 50.198/4. [*(S. demissum* × *andigenum*) × *tuberosum*] × [*(S. demissum* × *antigenum*) × *tuberosum*]  
 194684. 50.209/1. [*(S. demissum* × *andigenum*) × *tuberosum*] × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194685. 50.209/2. [*(S. demissum* × *andigenum*) × *tuberosum*] × [*(S. demissum* × *andigenum*) × *tuberosum*]  
 194686. 50.234/1. [*(S. demissum* × *andigenum*) × *tuberosum*] × [*(S. tuberosum* × *polyadenium*) × *Flava*]

**194687 to 194696.**

From Ireland. Seeds presented by the National Botanic Garden, Dublin. Received Mar. 26, 1951.

## 194687 to 194696.—Continued

194687. *CORONILLA EMERUS* L. Fabaceae.  
 194688. *CORONILLA MONTANA* Scop.  
 194689. *CORONILLA VIMINALIS* Salisb.  
 194690. *INDIGOFERA HEBEPETALA* Benth. Fabaceae.  
 194691. *LINUM ARBOREUM* L. Linaceae.  
 194692. *LINUM HIRSUTUM* L.  
 194693. *LINUM MONOGYNUM* Forst. f.  
 194694. *LINUM VISCOSUM* L.  
 194695. *VICIA OROBOIDES* Wulf. Fabaceae.  
 194696. *VICIA OROBUS* DC.

## 194697 to 194705.

From the Netherlands. Seeds presented by Barenbrug's Zaadhandel, Arnhem.  
 Received Mar. 26, 1951.

- 194697 and 194698. *AGROSTIS CANINA* L. Poaceae.  
 194697. Seeds dark-colored.  
 194698. Seeds light-colored.  
 194699. *ARRHENATHERUM ELATIUS* (L.) Beauv. Poaceae. Tall oatgrass.  
 194700. *DACTYLIS GLOMERATA* L. Poaceae. Orchard grass.  
 194701 to 194703. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.  
 194701. Pasture type.  
 194702. Hay type, late.  
 194703. Hay type, early.  
 194704 and 194705. *PHLEUM PRATENSE* L. Poaceae. Timothy.  
 194704. Pasture type.  
 194705. Hay type.

## 194706 to 194712.

From Guatemala. Collected by O. W. Norvell, Agricultural Explorer, Bureau  
 of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md.  
 Received Mar. 27, 1951.

Collected March 12 to 16, 1951.

194706. *DIOSCOREA* sp. Dioscoreaceae.  
 No. 2692. Side of Volcán Santa Maria. (Cuttings.)  
 194707. *SMILACINA* sp. Convallariaceae.  
 No. 2712. Cumbre de Olinztepeque. (Roots.)  
 194708. *SMILAX* sp. Smilacaceae.  
 No. 2762. Retalhuleu. (Plants.)  
 194709. *SMILAX* sp.  
 No. 2691. Volcán Santa Maria. (Plants.)  
 194710. (Undetermined.)  
 No. 2763. Retalhuleu. (Tubers.)  
 194711. (Undetermined.)  
 No. 2690. Quezaltenango near Volcán Santa Maria. (Plants.)  
 194712. *DIOSCOREA* sp. Dioscoreaceae.  
 No. 2765. Guatemala City. (Tubers.)

**194713 to 194733.**

From Ethiopia. Collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Mar. 27, 1951.

Collected in February 1951.

**194713 and 194714.** ALLIUM CEPA L. Liliaceae. **Onion.**

194713. No. 9717. (Bulbs.)

194714. No. 9788. (Bulbs.)

**194715.** ALLIUM SATIVUM L. **Garlic.**

No. 9716. (Bulbs.)

**194716.** IMPATIENS TINCTORIA A. Rich. Balsaminaceae.

No. 9715. (Roots.)

**194717 to 194720.** SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

(Tubers.)

194717. No. 9718.

194719. No. 9720.

194718. No. 9719.

194720. No. 9788.

**194721 to 194733.** Seeds.

**194721 to 194723.** CAPSICUM FRUTESCENS L. Solanaceae. **Redpepper.**

194721. No. 9721.

194722. No. 9722.

194723. No. 9723.

**194724.** COFFEA sp. Rubiaceae. **Coffee.**

No. 9724. Market, Dessie.

**194725.** COFFEA sp.

No. 9872. Market, Batie.

**194726.** COFFEA sp.

No. 9873. Market, Batie.

**194727 to 194732.** Jimma region; furnished by Giacomo Frumana, Tana Co., Ltd.

**194727.** COFFEA sp.

No. 9921.

**194728.** COFFEA sp.

No. 9922.

**194729.** COFFEA sp.

No. 9923.

**194730.** COFFEA sp.

No. 9924.

**194731.** COFFEA sp.

No. 9925.

**194732.** COFFEA sp.

No. 9926.

**194733.** ANDROPOGON sp. Poaceae.

No. 9879. 30 km, east of Dessie.

**194734 and 194735. FRAGARIA VESCA L. Rosaceae.****Alpine strawberry.**

From Turkey. Plants presented by Donald Dumont, American Consul, Istanbul. Received Mar. 27, 1951.

194734. *Mangro*. Cengelkoyden.194735. *Yediveren*. Bursandan.**194736 to 194768. SACCHARUM. Poaceae.****Sugarcane.**

From Barbados. Cuttings presented by the British West Indies Central Sugar Cane Breeding Station, Bridgetown. Received Mar. 28, 1951.

194736. B-43380.	194753. B-45181.
194737. B-38272.	194754. B-35207.
194738. B-41242.	194755. B-45111.
194739. B-44261.	194756. B-35276.
194740. B-47183.	194757. B-35218.
194741. B-45116.	194758. B-37261.
194742. B-37226.	194759. B-45211.
194743. B-45285.	194760. B-46199.
194744. B-35247.	194761. B-43375.
194745. B-35269.	194762. B-4454.
194746. B-40272.	194763. B-4327.
194747. B-39254.	194764. B-4455.
194748. B-45151.	194765. B-3354.
194749. B-44167.	194766. B-3017.
194750. B-39274.	194767. B-4543.
194751. B-35197.	194768. B-4524.
194752. B-34102.	

**194769 to 194793.**

From India. Seeds collected by Dr. Walter Koelz, c/o American Consul, Bombay. Received Mar. 28, 1951.

Collected in the Naga Hills, Assam.

194769. *CANAVALIA* sp. Fabaceae.

No. 11734. Tekhuhama, 7,000 feet altitude.

194770. *DATURA* sp. Solanaceae.

No. 11735. Tekhuhama.

194771 to 194773. *GLYCINE MAX* (L.) Merr. Fabaceae.**Soybean.**

194771. No. 11736. Tekhuhama.

194772. No. 11737. Tekhuhama.

194773. No. 11750. Kohima.

194774 to 194777. *PERILLA FRUTESCENS* (L.) Britton. Menthaceae.

194774. No. 11738. Tekhuhama. 194776. No. 11740. Tekhuhama.

194775. No. 11739. Tekhuhama. 194777. No. 11751. Kohima.

194778 to 194784. *PHASEOLUS CALCARATUS* Roxb. Fabaceae. **Rice bean.**

194778. No. 11741. Tekhuhama.

194779. No. 11742. Tekhuhama.

194769 to 194793.—Continued

194778 to 194784.—Continued

- 194780. No. 11743. Tekhuhama.
- 194781. No. 11752. Kohima. Green seeds.
- 194782. No. 11752-a. Kohima. Mottled seeds
- 194783. No. 11753. Cream-colored seeds.
- 194784. No. 11754. Kohima.

194785 to 194787. PHASEOLUS MUNGO L.

Urd.

From Tekhuhama.

194785. No. 11744.

194786. No. 11745.

194787. No. 11746.

194788. SESAMUM INDICUM L. Pedaliaceae.

Sesame.

No. 11755. Kohima.

194789. SOLANUM MELONGENA L. Solanaceae.

Eggplant.

No. 11747. Tekhuhama.

194790. SOLANUM TORVUM Sw.

No. 11748. Kohima.

194791. ZEA MAYS L. Poaceae.

Corn.

No. 11749. Tekhuhama.

194792 and 194793. GOSSYPIUM. Malvaceae.

Cotton.

194792. No. 11756. Kohima.

194793. No. 11757. Imphal, Manipur.

194794. ALLIUM ASCALONICUM L. Liliaceae.

Shallot.

From Yugoslavia. Bulbs presented by the Federal Plant Breeding Institute, Zemun. Received Mar. 28, 1951.

194795. SOLANUM RANTONNETII Carr. Solanaceae.

From Argentina. Seeds presented by Enrique C. Clos, Ministry of Agriculture, Buenos Aires. Received Mar. 28, 1951.

194796. HELIANTHUS STRUMOSUS L. Asteraceae.

From Wisconsin. Seeds presented by D. F. Crether, Lodi. Received Nov. 10, 1950.

194797 to 194826. PRUNUS AVIUM L. Amygdalaceae.

Sweet cherry.

From the Netherlands. Cuttings presented by C. J. Cerritsen, Kantoort, Wageningen. Received Mar. 28, 1951.

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|--|------------------------------------|
| 194797. <i>Beeks</i> (Late.)                       | 194805. <i>Gendtse</i> .           |
| 194798. <i>Blankette</i> .                         | 194806. <i>Hollander</i> .         |
| 194799. <i>Bruine Spaanse</i> .                    | 194807. <i>Inspecteur Lohmis</i> . |
| 194800. <i>Dikke Loen</i> .                        | 194808. <i>Kleine Waalse</i> .     |
| 194801. <i>Dubble Eierkriek</i> .                  | 194809. <i>Klerk</i> .             |
| 194802. <i>Early Rivers</i> . <i>Alfheim</i> type. | 194810. <i>Koningskers</i> .       |
| 194803. <i>Fraas Maylingskers</i> .                | 194811. <i>Lamotte</i> .           |
| 194804. <i>Früheste der Mark</i> .                 | 194812. <i>Meikers</i> .           |

## 194797 to 194826.—Continued

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| 194813. <i>Mierlose.</i>           | 194820. <i>Vroege van Spithoven.</i> |
| 194814. <i>Molenkers.</i>          | 194821. <i>Vroege van Werder.</i>    |
| 194815. <i>Pater van Mansfeld.</i> | 194822. <i>Waalse Bruine.</i>        |
| 194816. <i>Reine Hortense.</i>     | 194823. <i>Waalse Dikke.</i>         |
| 194817. <i>Sprenkelkers.</i>       | 194824. <i>Westerlese Kriek.</i>     |
| 194818. <i>Varikse Zwarte.</i>     | 194825. <i>Zoete Morel.</i>          |
| 194819. <i>Vroege van Gelmen.</i>  | 194826. <i>Zwarte Rouaan.</i>        |

## 194827 and 194828. TRIFOLIUM spp. Fabaceae.

From Guatemala. Seeds presented by Robert C. Moncure, Office of Foreign Agricultural Relations, United States Department of Agriculture. Received Mar. 29, 1951.

From the highland station of the Instituto Agropecuario Nacional, in Quezaltenango. Altitude 8,000 feet.

194827. TRIFOLIUM AMABILE H.B.K.  
194828. TRIFOLIUM MEXICANUM Hemsl.

194829. PRUNUS DOMESTICA L. Amygdalaceae. **Common plum.**

From Yugoslavia. Plants presented by John J. Haggerty, Agricultural Attaché, American Embassy, Belgrade. Received Mar. 29, 1951.

*Slivo.*

## 194830. POGOSTEMON sp. Menthaceae.

From the Federation of Malaya. Cuttings presented by J. R. Curry, State Agricultural Officer, Selangor. Received Mar. 29, 1951.

194831 to 194833. GOSSYPIUM. Malvaceae. **Cotton.**

From Uganda. Seeds presented by the Cotton Research Station, Kampala. Received Mar. 29, 1951.

194831. B 181.  
194832. BP 52, MB 2.  
194833. KP 28.

194834 to 194837. LINUM USITATISSIMUM L. Linaceae. **Flax.**

From Japan. Seeds obtained by E. B. Coffman, Natural Resources Section, GHQ, SCAP, c/o Postmaster, San Francisco, Calif. Received Mar. 29, 1951.

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|-----------------------------------|-----------------------------------|
| 194834. <i>Nansho 510.</i>        | 194836. <i>Sagino No. 2. 509.</i> |
| 194835. <i>Sagino No. 1. 508.</i> | 194837. <i>Unryu 511.</i>         |

194838 to 194840. VITIS VINIFERA L. Vitaceae. **European grape.**

From Canada. Plants presented by T. G. Bright and Company, Ltd., Ontario. Received Mar. 30, 1951.

194838. *Bertello 2846.*  
194839. *Landot 244.*  
194840. *Seibel 878.*

## 194841 and 194842. LUPINUS LUTEUS L. Fabaceae.

**European yellow lupine.**

From Sweden. Seeds presented by the Sveriges Utsädesförenings, Svalöf. Received Mar. 30, 1951.

194841. *Weiko II.*  
194842. Strain 8. Originally from Germany.

**194843. STROPHANTHUS SARMENTOSUS DC. Apocynaceae.**

From the Belgian Congo. Seeds presented by V. Becquart, Elisabethville.  
Received Apr. 2, 1951.

**194844 to 194853. GOSSYPIUM. Malvaceae. Cotton.**

From Greece. Seeds presented by the Cotton Research Institute, Ministry of  
Agriculture, Sindos. Received Apr. 2, 1951.

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|-----------------|-----------------|
| 194844. 25-D-9. | 194849. 53-D-4. |
| 194845. 49-D-2. | 194850. 2-G-1.  |
| 194846. C-6.    | 194851. 29-X-2. |
| 194847. 53-D-7. | 194852. 28-G-3. |
| 194848. S.A.3.  | 194853. 2-X-4.  |

**194854 to 194868.**

From Japan. Seeds obtained by E. B. Coffman, GHQ, SCAP, Natural Re-  
sources Section, c/o Postmaster, San Francisco, Calif. Received Apr. 2,  
1951.

Presented by the Ministry of Agriculture and Forestry, Tokyo.

**194854. CASSIA MIMOSOIDES L. Caesalpiniaceae.**

*Kawara Ketsumei.*

**194855. CYMBOPOGON GOERINGII (Steud.) A. Camus. Poaceae.**

*Ogaru Kaya.*

**194856. ERAGROSTIS AQUATICA Honda. Poaceae.**

*Kaze Kusa.*

**194857. INDIGOFERA PSEUDO-TINCTORIA Matsum. Fabaceae.**

*Koma Tsunagi.*

**194858. LESPEDEZA CUNEATA (Dum.-Cours.) G. Don. Fabaceae.**

*Medo Hagi.*

**194859. LESPEDEZA STRIATA (Thunb.) Hook. & Arn.**

*Yahazu So.*

**194860. SPODIOPOGON COTULIFER (Thunb.) Hack. Poaceae.**

*Abura Susuki.*

**194861. PANICUM BISULCATUM Thunb. Poaceae.**

*Mika Kibi.*

**194862. PASPALUM THUNBERGII Kunth. Poaceae.**

*Suzume No Hie.*

**194863. PENNISETUM sp. Poaceae.**

**194864. SPOROBOLUS ELONGATUS R. Br. Poaceae.**

*Nezumi Noo.*

**194865. VICIA AMOENA Fisch. Fabaceae.**

*Tsura Fujibakama.* Received as var. *sachalinensis*, an apparently unde-  
scribed variety.

**194866. VICIA HIRSUTA (L.) S. F. Gray.**

*Suzume Noendo.*

**194867. VICIA SATIVA L.**

**Common vetch.**

*Karasu Noendo.*

**194868. VICIA TETRASPERMA (L.) Moench.**

*Kasuma Gusa.*

- 194869. RIBES. Saxifragaceae. Gooseberry.**  
 From Scotland. Cuttings presented by George M. Taylor, Links Cottage, East Lothian. Received Apr. 5, 1951.  
*Forever Amber.*
- 194870. TRIFOLIUM PANNONICUM Jacq. Fabaceae.**  
 From Norway. Seeds presented by Prof. Rolf Nordhagen, University of Oslo, Oslo. Received Apr. 13, 1951.
- 194871 to 194878.**  
 From Guatemala. Collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 2, 1951.  
 Collected Mar. 24, 1951.
- 194871. (Undetermined.)**  
 No. 2817. Market, Puerto Barrios. (Tubers.)
- 194872. (Undetermined.)**  
 No. 2816. Market, Puerto Barrios. (Tubers.)
- 194873. DIOSCOREA sp. Dioscoreaceae.**  
 No. 2815. Market, Puerto Barrios. (Tubers.)
- 194874. (Undetermined.)**  
 No. 2817. Market, Puerto Barrios. (Tubers.)
- 194875. (Undetermined.)**  
 (Plants.)
- 194876. (Undetermined.)**  
 No. 2813. Near Santo Tomás, Departamento de Izabal. (Plants.)
- 194877. CITRUS LIMON (L.) Burm. f. Rutaceae. Lemon.**  
 No. 2608. Zacapa. (Seeds.)
- 194878. DAHLIA sp. Asteraceae.**  
 No. 2853. Near Calderas. (Tubers.)
- 194879 to 194884.**  
 From New York. Seeds presented by Mrs. J. E. Winfield, Painted Post. Received Apr. 3, 1951.  
 A collection of peppers and tomatoes from various sources.
- 194879 to 194881. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.**  
**194879. Pinched Nose.** British Guiana, through J. J. Carlee.  
**194880.** British Guiana, through J. J. Carlee. A small, late-maturing, Mexican variety.  
**194881. Black Negro.** Florida.
- 194882. CAPSICUM PUBESCENS Ruiz & Pav.**  
 Guatemala, through Dr. C. F. Secord.
- 194883 and 194884. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**  
**194883.** Painted Post, N.Y.  
**194884.** Mendoza, Argentina, through Prof. Abelardo Piovano. Fruits pink, in clusters.
- 194885 to 194887. CERATONIA SILIQUA L. Caesalpinaceae. Carob.**  
 From Italy. Cuttings presented by Dr. Emilio Zanini, Facolta di Agraria, Palermo, Sicily. Received Apr. 4, 1951.

**194885 to 194887.—Continued**194885. *Latissima*.194886. *Morescone*.194887. *Racemosa*.**194888. DIOSCOREA sp. Dioscoreaceae.**

From Mexico. Tubers collected by Eugene C. Ogden and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 4, 1951.

No. 51156. About 7 kms. from El Palmar, along road to Tezonapa and Motzorongo, Veracruz. Mar. 15, 1951.

**194889. PRUNUS DOMESTICA L. Amygdalaceae. Common plum.**

From England. Cuttings presented by the Long Ashton Research Station, Bristol. Received Apr. 5, 1951.

*Thames Cross*.**194890. AGAVE sp. Amaryllidaceae.**

From Guatemala. Plant collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 16, 1951.

No. 2825. Volcán de Agua, Zacatepequez. Mar. 22, 1951.

**194891 to 195119.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 4, 1951.

194891. *ANDROPOGON* sp. Poaceae.

No. 9375. Imperial Gardens, Abasamuele. Jan. 2, 1951.

194892. *FOENICULUM VULGARE* Mill. Apiaceae.

Fennel.

No. 9382. Imperial Gardens, Abasamuele. Jan. 2, 1951.

194893 to 194897. *AVENA SATIVA* L. Poaceae.

Oats.

194893. No. 9339. Market, Gondar. Dec. 31, 1950.

194894. No. 9488. Market, Jimma. Dec. 14, 1950.

194895. No. 9489. Market, Bishoftu. Dec. 2, 1950.

194896. No. 9350. Market, Gondar. Dec. 31, 1950.

194897. No. 9351. Market, Gondar. Dec. 31, 1950.

194898. *ASTRAGALUS ABYSSINICUS* Steud. Fabaceae.

No. 9394. Catstele Island, Lake Tana. Jan. 5, 1951.

194899. *BECKEROPSIS* sp. Poaceae.

No. 9395. Catstele Island, Lake Tana. Jan. 5, 1951.

194900 to 194904. From the market, Gondar. Dec. 31, 1950.

194900. *BRASSICA* sp. Brassicaceae.

No. 9317.

194901. *BRASSICA* sp.

No. 9318.

194902. *BRASSICA* sp.

No. 9319.

194903. *BRASSICA* sp.

No. 9363.

194904. *BRASSICA* sp.

No. 9450.

## 194891 to 195119.—Continued

194905. *CANNA* sp. Cannaceae.  
No. 9465. Gondar. Cultivated. Jan. 12, 1951.
- 194906 and 194907. *CARICA PAPAYA* L. Caricaceae. **Papaya.**  
194906. No. 9457. Market, Addis Ababa. Jan. 19, 1951.  
194907. No. 9460. Market, Jimma. Dec. 14, 1950.
- 194908 to 194911. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**  
194908. No. 9194. Market, Jimma. Dec. 14, 1950. Orange-red, pointed, 2½ by 4 inches.  
194909. No. 9195. Market, Jimma. Dec. 14, 1950. *Berberri.* Orange-red, blunt, 2 inches by ⅝ inch.  
194910. No. 9196. Market, Jimma. Dec. 14, 1950. *Berberri.* Orange-red, bell-shaped, concave end, 2 inches by 1 inch.  
194911. No. 9328. Gondar. Dec. 31, 1950.
194912. *CUCURBITA FICIFOLIA* Bouché. Cucurbitaceae.  
No. 9210. Addis Ababa. Dec. 18, 1950.
194913. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**  
No. 9369. Gondar. Jan. 1, 1951. *Suff.* Cultivated at edge of town.
194914. *COFFEA* sp. Rubiaceae. **Coffee.**  
No. 9376. Imperial Gardens, Abasamuele. Jan. 2, 1951.
194915. *COFFEA* sp.  
No. 9377. Imperial Gardens, Abasamuele. Jan. 2, 1951.
194916. *DINEBRA RETROFLEXA* (Vahl) Panz. Poaceae.  
No. 9415. Near Gorgora. Jan. 6, 1951.
194917. *ECHINOCHLOA* sp. Poaceae.  
No. 9404. Near Gorgora. Jan. 6, 1951. In shallow water, cove of Lake Tana. Jan. 6, 1951.
- 194918 to 194922. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. **Ragi.**  
194918. No. 9324. Market, Gondar. Dec. 31, 1950. *Dagussa.*  
194919. No. 9325. Market, Gondar. Dec. 31, 1950.  
194920. No. 9326. Market, Gondar. Dec. 31, 1950.  
194921. No. 9414. Near Gorgora. Jan. 6, 1951.  
194922. No. 9416. Near Gorgora. Jan. 6, 1951.
- 194923 to 194929. *ERAGROSTIS TEF* (Zuccagni) Trotter. Poaceae. **Teff.**  
194923 to 194926. From market, Gondar. Dec. 31, 1950.  
194923. No. 9320. 194925. No. 9322.  
194924. No. 9321. 194926. No. 9323.  
194927. No. 9432. Near Gorgora. Jan. 6, 1951.  
194928. No. 9361. Market, Gondar. Dec. 31, 1950.  
194929. No. 9398. Near Gorgora. Jan. 6, 1951.
194930. *FICUS* sp. Moraceae. **Fig.**  
No. 9447. Market, Gondar. Jan. 8, 1951. *Chola.* A wild edible fig.
194931. *FRAGARIA.* Rosaceae. **Strawberry.**  
No. 9422. Abasamuele. Jan. 10, 1951. Cultivated.

194891 to 195119.—Continued

- 194932 to 194938. *GOSSYPIUM*. Malvaceae. Cotton.
- 194932 to 194936. Market, Gondar. Dec. 31, 1950.
194932. No. 9299. 194935. No. 9302.
194933. No. 9300. 194936. No. 9303.
194934. No. 9301.
194937. No. 9408. Near Gorgora. Jan. 6, 1951.
194938. No. 9409. Near Gorgora. Jan. 6, 1951.
- 194939 to 194941. *GUIZOTIA ABYSSINICA* (L.f.) Cass. Asteraceae.
194939. No. 9315. Market, Gondar. Dec. 31, 1950.
194940. No. 9316. Market, Gondar. Dec. 31, 1950.
194941. No. 9381. Abasamuele. Jan. 2, 1951.
194942. *HIBISCUS* sp. Malvaceae.
- No. 9364. Gondar. Jan. 1, 1951.
- 194943 to 194992. *HORDEUM* spp. Poaceae. Barley.
- 194943 to 194980. Market, Gondar.
- 194943 to 194958. *HORDEUM VULGARE* L. Common barley.
194943. No. 9235. 194951. No. 9243.
194944. No. 9236. 194952. No. 9244.
194945. No. 9237. 194953. No. 9245.
194946. No. 9238. 194954. No. 9246.
194947. No. 9239. 194955. No. 9247.
194948. No. 9240. 194956. No. 9248.
194949. No. 9241. 194957. No. 9249.
194950. No. 9242. 194958. No. 9250.
194959. *HORDEUM DEFICIENS* Steud. Deficient barley.
- No. 9251.
- 194960 to 194963. *HORDEUM VULGARE* L. Common barley.
194960. No. 9252. 194962. No. 9254.
194961. No. 9253. 194963. No. 9255.
194964. *HORDEUM DEFICIENS* Steud. Deficient barley.
- No. 9256.
- 194965 to 194973. *HORDEUM VULGARE* L. Common barley.
194965. No. 9257. 194970. No. 9341.
194966. No. 9258. 194971. No. 9342.
194967. No. 9259. 194972. No. 9343.
194968. No. 9260. 194973. No. 9344.
194969. No. 9340.
194974. *HORDEUM DEFICIENS* Steud. Deficient barley.
- No. 9345.
- 194975 to 194979. *HORDEUM VULGARE* L. Common barley.
194975. No. 9346. 194978. No. 9354.
194976. No. 9349. 194979. No. 9355.
194977. No. 9352.

## 194891 to 195119.—Continued

194943 to 194992.—Continued

194943 to 194980.—Continued

194980. *HORDEUM IRREGULARE* Åberg & Wiebe.

No. 9356.

194981 to 194992. *HORDEUM VULGARE* L.

Common barley.

194981 to 194983. Market, Gondar.

194981. No. 9440.

194982. No. 9442.

194983. No. 9455.

194984 to 194992. Market, Addis Ababa.

194984. No. 9474.

194989. No. 9482.

194985. No. 9476.

194990. No. 9483.

194986. No. 9479.

194991. No. 9484.

194987. No. 9480.

194992. No. 9485.

194988. No. 9481.

194993. *IPOMOEA* sp. Convolvulaceae.

No. 9406. Gorgora. Jan. 6, 1951.

194994. *LAGENARIA LEUCANTHA* (Duch.) Rusby. Cucurbitaceae.

Calabash gourd.

No. 9359. Gondar. Jan. 1, 1951.

194995. *LATHYRUS CICERA* L. Fabaceae.

No. 9412. Near Gorgora. Jan. 6, 1951.

194996 to 194999. *LINUM USITATISSIMUM* L. Linaceae.

Flax.

194996. No. 9313. Market, Gondar. Dec. 31, 1950.

194997. No. 9314. Market, Gondar. Dec. 31, 1950.

194998. No. 9380. Abasamuele. Jan. 2, 1951.

194999. No. 9417. North of Gorgora. Jan. 6, 1951.

195000. *LOLIUM* sp. Poaceae.

No. 9452. Market, Gondar. Dec. 31, 1950.

195001 to 195006. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

195001. No. 9197. Market, Jimma. Dec. 14, 1950.

195002. No. 9261. Market, Gondar. Dec. 31, 1950.

195003. No. 9262. Market, Gondar. Dec. 31, 1950.

195004. No. 9263. Market, Gondar. Dec. 31, 1950.

195005. No. 9399. Gorgora. Jan. 6, 1951.

195006. No. 9400. Gorgora. Jan. 6, 1951.

195007 and 195008. *MIMUSOPS ZEYHERI* Sond. Sapotaceae.

195007. No. 9332. Market, Gondar. Dec. 31, 1950.

195008. No. 9401. Gorgora. Jan. 6, 1951.

195009. *MUSA ENSETE* Gmel. Musaceae.

Abyssinian banana.

No. 9208. Jimma. Dec. 14, 1950.

195010 and 195011. *NIGELLA SATIVA* L. Ranunculaceae.

Black cumin.

195010. No. 9331. Market, Gondar. Dec. 31, 1950.

195011. No. 9411. Between Gorgora and Coladiba. Jan. 6, 1951.

## 194891 to 195119.—Continued

195012. *ORYZA SATIVA* L. Poaceae. Rice.  
No. 9433. Lake Tana. December 1950.
195013. *PHASEOLUS LUNATUS* L. Fabaceae. Lima bean.  
No. 9385. Abasamuele. Jan. 2, 1951.
- 195014 to 195016. *PHASEOLUS VULGARIS* L. Common bean.  
From Abasamuele. Jan. 2, 1951.
195014. No. 9383.
195015. No. 9384.
195016. No. 9391.
- 195017 to 195027. *PISUM SATIVUM* L. Fabaceae. Pea.
- 195017 to 195024. Market, Gondar. Dec. 31, 1950.
195017. No. 9289. 195021. No. 9293.
195018. No. 9290. 195022. No. 9294.
195019. No. 9291. 195023. No. 9295.
195020. No. 9292. 195024. No. 9296.
195025. No. 9456. Abasamuele. Jan. 2, 1951.
195026. No. 9469. Market, Addis Ababa. Jan. 17, 1951.
195027. No. 9470. Market, Addis Ababa.
- 195028 and 195029. *PHYTOLACCA ABYSSINICA* Hoffm. Phytolaccaceae.
195028. No. 9462. Gondar. Jan. 12, 1951.
195029. No. 9468. Market, Addis Ababa. Jan. 17, 1951.
- 195030 to 195034. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
195030. No. 9392. Island, Lake Tana. Jan. 5, 1951.
195031. No. 9396. Gorgora. Jan. 6, 1951.
195032. No. 9443. Market, Gondar. Jan. 8, 1951.
195033. No. 9444. Market, Gondar. Jan. 8, 1951.
195034. No. 9445. Market, Gondar. Jan. 8, 1951.
195035. *RUBUS* sp. Rosaceae.
- No. 9234. Akaka. Dec. 20, 1950. Cultivated raspberry.
195036. *KALANCHOE* sp. Crassulaceae.
- No. 9467. Gondar. Jan. 12, 1951. Cultivated.
195037. *SETARIA PALLIDIFUSCA* (Schumach.) Stapf & Hubb. Poaceae.
- No. 9451. Market, Gondar. Dec. 31, 1950.
- 195038 to 195044. *SORGHUM VULGARE* Pers. Poaceae.
195038. No. 9327. Market, Gondar. Dec. 31, 1950.
195039. No. 9419. Near Gorgora. Jan. 6, 1951.
195040. No. 9420. Near Gorgora. Jan. 6, 1951.
195041. No. 9421. Near Gorgora. Jan. 6, 1951.
195042. No. 9446. Market, Gondar. Jan. 8, 1951.
195043. No. 9486. Market, Gondar. Dec. 31, 1950.
195044. No. 9487. Market, Gondar. Dec. 31, 1950.

## 194891 to 195119.—Continued

- 195045 to 195107. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**
- 195045 to 195068. Market, Gondar. Dec. 31, 1950.
- |                   |                   |
|-------------------|-------------------|
| 195045. No. 9264. | 195057. No. 9277. |
| 195046. No. 9266. | 195058. No. 9278. |
| 195047. No. 9267. | 195059. No. 9279. |
| 195048. No. 9268. | 195060. No. 9280. |
| 195049. No. 9269. | 195061. No. 9281. |
| 195050. No. 9270. | 195062. No. 9282. |
| 195051. No. 9271. | 195063. No. 9283. |
| 195052. No. 9272. | 195064. No. 9284. |
| 195053. No. 9273. | 195065. No. 9285. |
| 195054. No. 9274. | 195066. No. 9286. |
| 195055. No. 9275. | 195067. No. 9311. |
| 195056. No. 9276. | 195068. No. 9348. |
195069. No. 9418. Near Gorgora. Jan. 6, 1951.
- 195070 to 195077. Dabat, 40 miles north of Gondar. Jan. 5, 1951.
- |                   |                   |
|-------------------|-------------------|
| 195070. No. 9424. | 195074. No. 9428. |
| 195071. No. 9425. | 195075. No. 9429. |
| 195072. No. 9426. | 195076. No. 9430. |
| 195073. No. 9427. | 195077. No. 9431. |
- 195078 to 195084. Market, Gondar. Jan. 8, 1951.
- |                   |                   |
|-------------------|-------------------|
| 195078. No. 9434. | 195082. No. 9438. |
| 195079. No. 9435. | 195083. No. 9439. |
| 195080. No. 9436. | 195084. No. 9441. |
| 195081. No. 9437. |                   |
- 195085 to 195087. Market, Addis Ababa. Jan. 17, 1951.
- |                   |  |
|-------------------|--|
| 195085. No. 9471. |  |
| 195086. No. 9472. |  |
| 195087. No. 9473. |  |
- 195088 to 195099. Market, Gondar. Dec. 31, 1950.
- |                   |                   |
|-------------------|-------------------|
| 195088. No. 9265. | 195094. No. 9310. |
| 195089. No. 9305. | 195095. No. 9312. |
| 195090. No. 9306. | 195096. No. 9347. |
| 195091. No. 9307. | 195097. No. 9353. |
| 195092. No. 9308. | 195098. No. 9358. |
| 195093. No. 9309. | 195099. No. 9448. |
195100. No. 9453. Dabat. Jan. 5, 1951.
195101. No. 9475. Addis Ababa. Jan. 17, 1951.
195102. No. 9477. Addis Ababa. Jan. 17, 1951.
195103. No. 9304. Market, Gondar. Dec. 31, 1950.
195104. No. 9357. Market, Gondar. Dec. 31, 1950.
195105. No. 9449. Market, Gondar. Dec. 31, 1950.
195106. No. 9454. Market, Dabat. Jan. 5, 1951.
195107. No. 9478. Market, Addis Ababa. Jan. 17, 1951.

## 194891 to 195119.—Continued

195108 to 195111. *VICIA FABA* L. Fabaceae. **Broadbean.**

195108. No. 9287. Market, Gondar. Dec. 31, 1950.

195109. No. 9288. Market, Gondar. Dec. 31, 1950.

195110. No. 9378. Abasamuele. Jan. 2, 1951.

195111. No. 9379. Abasamuele. Jan. 2, 1951.

195112 to 195119. *ZEA MAYS* L. Poaceae. **Corn.**

195112. No. 9193. Market, Jimma. Dec. 14, 1950.

195113. No. 9297. Market, Gondar. Dec. 31, 1950.

195114. No. 9298. Market, Gondar. Dec. 31, 1950.

195115 to 195119. Abasamuele. Jan. 2, 1951.

195115. No. 9386. 195118. No. 9389.

195116. No. 9387. 195119. No. 9390.

195117. No. 9388.

## 195120 to 195124.

From China. Seeds presented by Raymond Baker, Hi-Bred Corn Company, Johnston, Iowa. Received Apr. 23, 1951.

195120. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**

*Pernan.* Originally from the Soviet Union. High yielding.

195121 to 195123. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

195121. *Long Capsule.* Shangsi. Stem solitary; 4-row.

195122. *Par-wang-pien.* Nonan. Stem solitary; 4-row, short-capsuled.

195123. *Ta-pa-cha.* Hopei. Stem branched; 8-row, short-capsuled.

195124. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

*Peiping Winter H. N.*

195125. *HIBISCUS* sp. Malvaceae.

From Southern Rhodesia. Seed collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 23, 1951.

No. A-103. 14 miles east of Marandellas. Mar. 26, 1951. Plant up to 7 feet high; flowers yellow with maroon blotches.

195126 to 195128. *CITRUS* spp. Rutaceae.

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 5, 1951.

195126. *CITRUS AURANTIFOLIA* (Christm.) Swingle. **Lime.**

No. 9790. Market, Dessie. Cultivated. Feb. 24, 1951.

195127. *CITRUS RETICULATA* Blanco. **Mandarin orange.**

No. 9898. Market, Dessie. Cultivated tangerine.

195128. *CITRUS* sp.

No. 9899. Market, Dessie. Cultivated.

195129 to 195132. *PRUNUS PERSICA* (L.) Batsch. Amygdalaceae. **Peach.**

From Canada. Trees presented by the Horticultural Experiment Station, Vineland, Ontario. Received Apr. 5, 1951.

195129. *Somervee (39011).* 195131. *Erlyree.*

195130. *Vesper.* 195132. *39082.*

**195133. ILEX CORNUTA Lindl. & Paxt. Aquifoliaceae. Chinese holly.**

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered May 10, 1951.

**195134. OSMANTHUS. Oleaceae.**

From California. Plant growing at the United States Plant Introduction Garden, Glenn Dale, Md. Numbered in May 1951.

*San Jose Hybrid. (Osmanthus aurantiacus × ilicifolius.)*

Originally presented by W. B. Clarke and Company, San Jose, Calif., in 1936.

**195135 and 195136. CLAPPERTONIA spp. Tiliaceae.**

From Liberia. Seeds collected by W. J. Harley, Ganta. Received May 11, 1951.

**195135. CLAPPERTONIA FICIFOLIA (Willd.) Druce.**

**195136. CLAPPERTONIA MINOR (Baill.) Becherer.**

**195137 and 195138. CROTALARIA spp. Fabaceae.**

From the Union of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Cape Province. Received Apr. 5, 1951.

**195137. CROTALARIA CAPENSIS Jacq.**

**195138. CROTALARIA MACROCARPA E. Mey.**

**195139 to 195156. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From the Netherlands. Tubers presented by the Directeur, Van Het Instituut voor Rassenonderzoek van Landbouw Gewassen, Wageningen. Received Apr. 4, 1951.

**195139. G.T. 40-48.**

**195148. G.T. 43-68.**

**195140. G.T. 40-55.**

**195149. G.T. 44-40.**

**195141. G.T. 40-78.**

**195150. G.T. 44-41.**

**195142. G.T. 40-130.**

**195151. G.T. 44-42.**

**195143. G.T. 41-7.**

**195152. G.T. 44-45.**

**195144. G.T. 41-11.**

**195153. G.T. 44-46.**

**195145. G.T. 41-19.**

**195154. G.T. 44-57.**

**195146. G.T. 43-21.**

**195155. G.T. 44-72.**

**195147. G.T. 43-64.**

**195156. G.T. 44-79.**

**195157 to 195159.**

From South-West Africa. Seeds presented by Trewin G. Gerick, Post Resburank, Usakos. Received Apr. 6, 1951.

**195157. ACACIA ALBIDA Delile. Mimosaceae.**

*Anna Tree.*

**195158. BAUHINIA ESCULENTA Burchell. Caesalpiniaceae.**

*Tamania Bean.*

**195159. STIZOLOBIUM sp. Fabaceae.**

**195160 to 195172. SOLANUM spp. Solanaceae.**

From England. Seeds presented by Dr. K. S. Dodds, Officer-in-Charge, Commonwealth Potato Collection, Huntingdon Road, Cambridge. Received Apr. 9, 1951.

**195160 to 195172.—Continued**

- 195160 and 195161. *SOLANUM ACAULE* Bitter.  
195160. C.P.C. 528.7.1.  
195161. C.P.C. 528.7.2.
- 195162 and 195163. *SOLANUM ANDIGENUM* Juz. & Buk.  
195162. C.P.C. 300.  
195163. C.P.C. 1384.
195164. *SOLANUM ANTIPOVICHII* Buk.  
C.P.C. 2092.
195165. *SOLANUM DEMISSUM* Lindl.  
C.P.C. 43.2.
195166. *SOLANUM LONGIPEDICELLATUM* Bitter.  
C.P.C. 2093.
195167. *SOLANUM MALINCHENSE* Hawkes.  
C.P.C. 12.1.
195168. *SOLANUM SANTOLALLAE* Vargas.  
C.P.C. 2078.2.
195169. *SOLANUM TLAXCALENSE* Hawkes.  
C.P.C. 9.
- 195170 to 195172. *SOLANUM VERRUCOSUM* Schlecht.  
195170. C.P.C. 54.3.  
195171. C.P.C. 1340.2.  
195172. C.P.C. 54.4.

**195173 to 195214. *SOLANUM* spp. Solanaceae. **Potato.****

From England. Tubers presented by Dr. K. S. Dodds, Officer-in-Charge, Commonwealth Potato Collection, Huntingdon Road, Cambridge. Received Apr. 9, 1951.

195173. *SOLANUM AHANHUIRI* Juz. & Buk.  
C.P.C. 232.
195174. *SOLANUM BERTHAULTII* Hawkes.  
C.P.C. 283.
195175. *SOLANUM CARDIOPHYLLUM* Lindl.  
C.P.C. 25a.
- 195176 to 195179. *SOLANUM CHAUCHA* Juz. & Buk.  
195176. C.P.C. 453.   195178. C.P.C. 1493b.  
195177. C.P.C. 552a.   195179. C.P.C. 1689.
195180. *SOLANUM COERULEIFLORUM* Hawkes.  
C.P.C. 1510a.
- 195181 and 195182. *SOLANUM CURTILOBUM* Juz. & Buk.  
195181. C.P.C. 221.  
195182. C.P.C. 380.
195183. *SOLANUM GARCIAE* Juz. & Buk.  
C.P.C. 1158.

## 195173 to 195214.—Continued

195184. *SOLANUM GIBBERULOSUM* Juz. & Buk.  
C.P.C. 1157.
195185. *SOLANUM GIGANTOPHYLLUM* Bitter.  
C.P.C. 1770.2.
- 195186 to 195188. *SOLANUM GONIOCALYX* Juz. & Buk.  
195186. C.P.C. 414.  
195187. C.P.C. 436.  
195188. C.P.C. 1514.
- 195189 and 195190. *SOLANUM JAMESII* Torr.  
195189. C.P.C. 1394.  
195190. C.P.C. 1439.
- 195191 and 195192. *SOLANUM KESSELBRENNERI* Juz. & Buk.  
195191. C.P.C. 836.1.  
195192. C.P.C. 836.2.
195193. *SOLANUM LANCIFORME* Rydb.  
C.P.C. (40.6 × 40.7).2.
195194. *SOLANUM LECHNOVICZII* Hawkes.  
C.P.C. 485.13.
195195. *SOLANUM LONGIPEDICELLATUM* Bitter.  
C.P.C. 28.2.
195196. *SOLANUM MAMILLIFERUM* Juz. & Buk.  
C.P.C. 717.
195197. *SOLANUM PHUREJA* Juz. & Buk.  
C.P.C. 325.
- 195198 and 195199. *SOLANUM RYBINII* Juz. & Buk.  
195198. C.P.C. 979.  
195199. C.P.C. 1311.
195200. *SOLANUM SIMPLICIFOLIUM* Bitter.  
C.P.C. 51a.
- 195201 and 195202. *SOLANUM SOUKUPII* Hawkes.  
195201. C.P.C. 530.11.  
195202. C.P.C. 530.12.
- 195203 to 195205. *SOLANUM STENOTOMUM* Juz. & Buk.  
195203. C.P.C. 397.  
195204. C.P.C. 712.  
195205. C.P.C. 1778.
195206. *SOLANUM TARIJENSE* Hawkes.  
C.P.C. 1727.3.
- 195207 to 195209. *SOLANUM TENUIFILAMENTUM* Juz. & Buk.  
195207. C.P.C. 680.  
195208. C.P.C. 1066.  
195209. C.P.C. 1610.
195210. *SOLANUM TORALAPANUM* Cardenas & Hawkes.  
C.P.C. 1773.

## 195173 to 195214.—Continued

- 195211 and 195212. *SOLANUM TUBEROSUM* L. Potato.  
 195211. C.P.C. 1704.  
 195212. C.P.C. 1717.  
 195213 and 195214. *SOLANUM YABARI* Hawkes.  
 195213. C.P.C. 1490.  
 195214. C.P.C. 1793.

## 195215 to 195232.

From Africa. Bulbs collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 9, 1951.

Collected in March 1951 in Southern Rhodesia unless otherwise noted.

195215. *BOOPHONIA DISTICHA* (L.f.) Herbert. Amaryllidaceae.  
 No. A-100. Fifty-one miles west of Riverside.  
 195216. *CRINUM* sp. Amaryllidaceae.  
 No. A-89. Thirteen miles from Fort Victoria.  
 195217. *CRINUM* sp.  
 No. A-99. Fifty-one miles west of Riverside.  
 195218. *EUCOMIS REGIA* Ait. Liliaceae.  
 No. A-90. Thirteen miles from Fort Victoria. Leaves rosette forming; flowers greenish yellow.  
 195219. *EUCOMIS* sp. Liliaceae.  
 No. A-98. Melsetter.  
 195220. *HYPOXIS ROOPERII* T. Moore. Amaryllidaceae.  
 No. A-91. Twelve miles from Zimbabwe.  
 195221. *HYPOXIS* sp.  
 No. A-102. Fifty-one miles west of Riverside.  
 195222. *SCILLA* sp. Liliaceae.  
 No. A-96. Seventeen miles east of Fort Victoria.  
 195223. (Undetermined.)  
 No. A-86. Ten miles south of Pinaar's River, Transvaal.  
 195224. *SCILLA* sp. Liliaceae.  
 No. A-92. Twelve miles from Zimbabwe.  
 195225. *SCILLA* sp.  
 No. A-93. Fourteen miles from Zimbabwe.  
 195226. *SCILLA* sp.  
 No. A-97. Seventeen miles east of Fort Victoria.  
 195227. *SCILLA* sp.  
 No. A-101. Fifty-one miles west of Riverside.  
 195228. *AMMOCHARIS CORANICA* Herb. Amaryllidaceae.  
 No. A-85. Ten miles south of Pinaar's River, Transvaal.  
 195229. (Undetermined.)  
 No. A-87. On road to Fort Victoria, 48 miles north of Southern Rhodesia customhouse (Beit Bridge).

**195215 to 195232.—Continued**

195230. (Undetermined.)

No. A-88. On road to Fort Victoria, 109 miles north of Southern Rhodesia customhouse (Beit Bridge).

195231. (Undetermined.)

No. A-94. Seventeen miles east of Fort Victoria.

195232. (Undetermined.)

No. A-95. Seventeen miles east of Fort Victoria.

**195233 to 195245. ZEA MAYS L. Poaceae.****Corn.**

From Israel. Seeds presented by A. Shlomi, Government Agricultural Experiment Station, Neveh-Yaar, Haifa. Received Apr. 9, 1951.

195233. Hungary O. P. Bankut 01.

195234. Hungary O. P. Bankut 02.

195235. Hungary O. P. F 06.

195236. Hungary O. P. Lovasf 03.

195237. Hungary O. P. Majbath 04.

195238. Hungary O. P. Mesterhafg 010.

195239. Hungary O. P. Petterd OF.

195240. Israel O. P. G. C.

195241. Israel O. P. Gherkes.

195242. Rumania O. P. Ciocantin 3.

195243. Rumania O. P. De Aries.

195244. Rumania O. P. H. Saulescu.

195245. Rumania O. P. Portocaliu.

**195246. ZEA MAYS L. Poaceae.****Corn.**

From Guatemala. Seeds presented by Robert C. Moncure, Office of Foreign Agricultural Relations, United States Department of Agriculture. Received Apr. 9, 1951.

*Maiz Cuarentana.* From Jacaltenango, Huehuetenango; altitude 2,000 to 4,500 feet in limestone area. Tassels in about 60 days or less.**195247 to 195251. FRAGARIA. Rosaceae.****Strawberry.**

From Turkey. Plants obtained through the American Consul, Istanbul. Received Apr. 10, 1951.

Collected by Prof. Alfred Heilbronn, University of Istanbul.

195247. *5-Biiber.*195250. *10-Osmanle.*195248. *11-Frenk.*195251. *7-Year Vecers.*195249. *8-Mangro.***195252 and 195253. FRAGARIA. Rosaceae.****Strawberry.**

From Denmark. Plants presented by Dr. Soren Norlund Christensen, Aulum. Received Apr. 10, 1951.

195252. *Freja.*195253. *Ydun.***195254 and 195255. STROPHANTHUS spp. Apocynaceae.**

From Africa. Seeds presented by Dr. Joseph Monachino, New York Botanical Garden, Bronx Park, N. Y. Received Apr. 11, 1951.

**195254 and 195255.—Continued**

195254. *STROPHANTHUS CONGOENSIS* Franch.

French Cameroons.

195255. *STROPHANTHUS NICHOLSONII* Holmes.

Nyasaland.

**195256 to 195259. VERATRUM spp. Liliaceae.**

From Ireland. Seeds presented by the National Botanic Gardens, Glasnevin, Dublin. Received Apr. 11, 1951.

195256. *VERATRUM ALBUM* L.

195257. *VERATRUM CALIFORNICUM* Durand.

195258. *VERATRUM NIGRUM* L.

195259. *VERATRUM VIRIDE* Ait.

**195260 to 195271.**

From the Union of South Africa. Seeds collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 11, 1951.

Collected in 1951.

195260. *ALOE SAPONARIA* (Ait.) Haw. Liliaceae.

No. A-29. Knysna, Cape Province. Feb. 5.

195261. *AMELLUS LYCHNITIS* L. Asteraceae.

No. A-174c. Viljoen's Pass, Cape Province. January.

195262. *ANAPALINA* sp. Iridaceae.

No. A-174d. Viljoen's Pass, Cape Province. January.

195263. *BRUNSVIGIA RADULOSA* Herb. Amaryllidaceae.

No. A-69. Twelve miles south of Carolina, Transvaal. Mar. 6.

195264. *HAEMANTHUS* sp. Amaryllidaceae.

No. A-84. Twenty-eight miles from Lydenburg, road to Dullstroom, Transvaal. Mar. 10.

195265. *HELICHRYSUM VESTITUM* Schrank. Asteraceae.

No. A-174e. Viljoen's Pass, Cape Province. January.

195266. *ORNITHOGALUM* sp. Liliaceae.

No. A-35. Ten miles from Grahamstown, Port Elizabeth Road. Feb. 9.

195267. *ORNITHOGALUM CAUDATUM* Ait.

No. A-172. George, Cape Province. Feb. 5.

195268. *ORNITHOGALUM* sp.

No. A-11. Hopefield Road, Cape Province. Jan. 26.

195269. *PROTEA* sp. Proteaceae.

No. A-174b. Vicinity of Cape Town, Cape Province. Jan. 26.

195270. *WATSONIA* sp. Iridaceae.

No. A-173. Darling, Cape Province. Jan. 26.

195271. *WATSONIA ANGUSTA* Ker.

No. A-174. Near Oudebosch, Cape Province. Feb. 6.

**195272 to 195274. TRIFOLIUM PRATENSE L. Fabaceae.**

**Red clover.**

From Sweden. Seeds presented by the Sveriges Utsädesförenings, Svalöf. Received Apr. 13, 1951.

**195272 to 195274.—Continued**195272. *Merkue*.195273. *SV-026*.195274. *SV-034*.**195275 to 195277.**

From New York. Seeds presented by Mrs. James E. Winfield, Painted Post.  
Received Apr. 13, 1951.

195275 and 195276. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

195275. Originally from France.

195276. Originally from Guatemala. Fruit very hot.

195277. *CUCURBITA MOSCHATA* Duchesne. Cucurbitaceae. **Cushaw.****195278 to 195281. FRAGARIA. Rosaceae. Strawberry.**

From France. Plants presented by Vilmorin-Andrieux, Paris. Received Apr.  
16, 1951.

195278. *Climax*. 195280. *Dr. Morere*.195279. *Huxley*. 195281. *Royal Sovereign*.**195282 to 195284.**

From Formosa. Seeds presented by Prof. Yuen-Liang Ku, National Taiwan  
University, Taipei. Received Apr. 20, 1951.

195282 and 195283. *CORCHORUS CAPSULARIS* L. Tiliaceae. **Jute.**195282. *Taichung Special No. 1*.195283. *Taichung Pink*.195284. *PHYLLOSTACHYS MAKINOI* Hayata. Poaceae. **Bamboo.****195285 to 195470.**

From Guatemala. Seeds collected by Oliver M. Norvell, Agricultural Ex-  
plorer, Bureau of Plant Industry, Soils, and Agricultural Engineering,  
Beltsville, Md. Received Apr. 16, 1951.

Collected in March 1951.

195285. *ARISTOLOCHIA* sp. Aristolochiaceae.

No. 2636. Estación Jalapa, Jalapa.

195286. *ASCLEPIAS* sp. Asclepiadaceae.

No. 2618. Toward Gualán from Zacapa, Zacapa.

195287. *ASCLEPIAS* sp.

No. 2638. Estación Jalapa, Jalapa.

195288. *CALOPOGONIUM CAERULEUM* (Benth.) Hemsl. Fabaceae.

No. 2752. Near Retalhuleu, Retalhuleu.

195289. *CANAVALIA* sp. Fabaceae.

No. 2611. Near Santa Cruz, Zacapa.

195290. *CANAVALIA* sp.

No. 2629. Toward Gualán from Zacapa, Zacapa.

195291. *CANAVALIA* sp.

No. 2681. Near Volcán Santa Maria, Quezaltenango.

195292. *CANAVALIA* sp.

No. 2686. Near Volcán Santa Maria, Quezaltenango.

195293. *CANAVALIA* sp.

No. 2757. Near Retalhuleu, Retalhuleu.

## 195285 to 195470.—Continued

195294. *CANAVALIA* sp.  
No. 2781. Barranca near Chimaltenango, Chimaltenango.
- 195295 to 195303. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**  
195295. No. 2574. Market, Huehuetenango, Huehuetenango.  
195296. No. 2575. Market, Huehuetenango, Huehuetenango.  
195297. No. 2607. Market, Zacapa, Zacapa.  
195298. No. 2727. Market, Totonicapán, Totonicapán.  
195299. No. 2645. Market, Jalapa, Jalapa.  
195300 to 195303. Market, Quezaltenango, Quezaltenango.  
195300. No. 2674. 195302. No. 2676.  
195301. No. 2675. 195303. No. 2677.
195304. *CASSIA RETICULATA* Willd. Caesalpiniaceae.  
No. 2758. Near Retalhuleu, Retalhuleu.
195305. *CENTROSEMA BRASILIANUM* (L.) Benth. Fabaceae.  
No. 2610. Near Santa Cruz, Zacapa.
195306. *CERCIDIUM* sp. Caesalpiniaceae.  
No. 2782. Barranca near Chimaltenango, Chimaltenango.
- 195307 to 195309. *CICER ARIETINUM* L. Fabaceae. **Chickpea.**  
195307. No. 2594. Market, Zacapa, Zacapa.  
195308. No. 2697. San Juan, near Quezaltenango, Quezaltenango.  
195309. No. 2728. Market, Totonicapán, Totonicapán.
195310. *COFFEA* sp. Rubiaceae. **Coffee.**  
No. 2606. Market, Zacapa, Zacapa.
- 195311 and 195312. *CUCURBITA MOSCHATA* Duchesne. Cucurbitaceae. **Cushaw.**  
195311. No. 2604. Market, Zacapa, Zacapa.  
195312. No. 2646. Market, Jalapa, Jalapa.
195313. *CUCURBITA* sp.  
No. 2634a. Estación Jalapa, 40 km. from Jalapa, Jalapa.
195314. *CUCURBITA* sp.  
No. 2634b. Estación Jalapa, 40 km. from Jalapa, Jalapa.
195315. *ERYTHRINA* sp. Fabaceae.  
No. 2685. Near Volcán Santa María, Quezaltenango.
195316. *GALACTIA* sp. Fabaceae.  
No. 2626. Near Gualán, Zacapa.
- 195317 to 195320. *HORDEUM DISTICHON* L. Poaceae. **Barley.**  
195317. No. 2698. Market, San Juan, Quezaltenango.  
195318. No. 2725. Market, Totonicapán, Totonicapán.  
195319. No. 2744. Market, Mazatenango, Suchitepéquez.  
195320. No. 2747. Near Sololá, Sololá.
195321. *LAGENARIA LEUCANTHA* (Duch.) Rusby. Cucurbitaceae. **Calabash gourd.**  
No. 2624. Toward Gualán from Zacapa, Zacapa.

## 195285 to 195470.—Continued

- 195322 to 195325. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**  
 195322. No. 2773. Market, Antigua, Sacatepéquez.  
 195323. No. 2779. Market, Escuintla, Escuintla.  
 195324. No. 2783. Market, Tecpán, Chimaltenango.  
 195325. No. 2784. Market, Tecpán, Chimaltenango.
195326. *LUFFA AEGYPTIACA* Mill. Cucurbitaceae. **Suakwa towelgourd.**  
 No. 2632. Gualán, Zacapa.
195327. *PACHYRHIZUS* sp. Fabaceae.  
 No. 2621. Toward Gualán from Zacapa, Zacapa.
195328. *PACHYRHIZUS* sp.  
 No. 2625. Toward Gualán from Zacapa, Zacapa.
195329. *PACHYRHIZUS* sp.  
 No. 2760. Near Retalhuleu, Retalhuleu.
195330. *PHASEOLUS ADENANTHUS* G. Meyer. Fabaceae.  
 No. 2713. Near Quezaltenango, Quezaltenango.
195331. *PHASEOLUS CALCARATUS* Roxb. **Rice bean.**  
 No. 2647. Market, Jalapa, Jalapa.
- 195332 to 195337. *PHASEOLUS CARACALLA* L. **Snail bean.**  
 195332. No. 2612. Near Santa Cruz, Jalapa.  
 195333. No. 2622. Near Gualán, Zacapa.  
 195334. No. 2640. Jalapa, Jalapa.  
 195335. No. 2683. Near Volcán Santa Maria, Quezaltenango.  
 195336. No. 2751. Near Retalhuleu, Retalhuleu.  
 195337. No. 2754. Near Retalhuleu, Retalhuleu.
195338. *PHASEOLUS VULGARIS* L. **Common bean.**  
 No. 2730. Market, Totonicapán, Totonicapán.
- 195339 to 195345. *PHASEOLUS LUNATUS* L. **Lima bean.**  
 195339. No. 2603. Market, Zacapa, Zacapa.  
 195340 to 195342. Market, Jalapa, Jalapa.  
 195340. No. 2649.  
 195341. No. 2650.  
 195342. No. 2656.  
 195343. No. 2660. Market, Jutiapa, Jutiapa.  
 195344. No. 2737. Market, Mazatenango, Suchitepéquez.  
 195345. No. 2739. Market, Mazatenango, Suchitepéquez.
195346. *PHASEOLUS STROBILIPHORUS* (B. L. Robins.) Morton.  
 No. 2684. Near Volcán Santa Maria, Quezaltenango.
- 195347 to 195402. *PHASEOLUS VULGARIS* L. **Common bean.**  
 195347. No. 2778. Market, Escuintla, Escuintla.  
 195348 to 195351. Market, Tecpán, Chimaltenango.  
 195348. No. 2785. **195350.** No. 2787.  
 195349. No. 2786. **195351.** No. 2788.  
 195352. No. 2669. Quezaltenango, Quezaltenango.

## 195285 to 195470.—Continued

## 195347 to 195402.—Continued

195353. No. 2672. Quezaltenango, Quezaltenango.  
 195354 to 195356. Market, Huehuetenango, Huehuetenango.  
 195354. No. 2587.  
 195355. No. 2588.  
 195356. No. 2589.  
 195357. No. 2598. Market, Zacapa, Zacapa.  
 195358. No. 2590. Huehuetenango, Huehuetenango.  
 195359. No. 2591. Antigua, Sacatepéquez.  
 195360. No. 2592. Market, Guatemala City.  
 195361. No. 2599. Market, Zacapa, Zacapa.  
 195362. No. 2600. Market, Zacapa, Zacapa.  
 195363. No. 2741. Market, Mazatenango, Suchitepéquez.  
 195364 to 195371. Market, Jalapa, Jalapa.  
 195364. No. 2639. 195368. No. 2654.  
 195365. No. 2651. 195369. No. 2655.  
 195366. No. 2652. 195370. No. 2657.  
 195367. No. 2653. 195371. No. 2658.  
 195372. No. 2673. Market, Quezaltenango, Quezaltenango.  
 195373. No. 2659. Market, Jalapa, Jalapa.  
 195374. No. 2661. Market, Jutiapa, Jutiapa.  
 195375 to 195382. Market, Quezaltenango, Quezaltenango.  
 195375. No. 2663. 195379. No. 2667.  
 195376. No. 2664. 195380. No. 2668.  
 195377. No. 2665. 195381. No. 2670.  
 195378. No. 2666. 195382. No. 2671.  
 195383. No. 2699. Market, San Juan, Quezaltenango.  
 195384. No. 2700. Market, San Juan, Quezaltenango.  
 195385. No. 2708. Market, Olinstepeque, Quezaltenango.  
 195386. No. 2717. Market, Salcajá, Quezaltenango.  
 195387. No. 2718. Market, Salcajá, Quezaltenango.  
 195388. No. 2729. Market, Totonicapán, Totonicapán.  
 195389. No. 2731. Market, Totonicapán, Totonicapán.  
 195390 to 195393. Market, Mazatenango, Suchitepéquez.  
 195390. No. 2736. 195392. No. 2740.  
 195391. No. 2738. 195393. No. 2742.  
 195394. No. 2746. Retalhuleu, Retalhuleu.  
 195395. No. 2749. Retalhuleu, Retalhuleu.  
 195396 to 195400. Market, Antigua, Sacatepequez.  
 195396. No. 2766. 195399. No. 2769.  
 195397. No. 2767. 195400. No. 2771.  
 195398. No. 2768.  
 195401. No. 2776. Market, Escuintla, Escuintla.  
 195402. No. 2777. Market, Escuintla, Escuintla.

## 195285 to 195470.—Continued

195403. *PHASEOLUS* sp.  
No. 2648. Market, Jalapa, Jalapa. Mixed sample.
- 195404 and 195405. *PISUM SATIVUM* L. Fabaceae. Pea.  
195404. No. 2706. Market, Olinstepeque, Quezaltenango.  
195405. No. 2707. Market, Olinstepeque, Quezaltenango.
195406. *PITHECELLOBIUM* sp. Mimosaceae.  
No. 2623. Toward Gualán from Zacapa, Zacapa.
195407. *SALVIA HISPANICA* L. Menthaceae.  
No. 2750. Market, Retalhuleu, Retalhuleu.
195408. *SMILACINA* sp. Convallariaceae.  
No. 2712. Olinstepeque, Quezaltenango.
195409. *SORGHUM VULGARE* Pers. Poaceae.  
No. 2605. Market, Zacapa, Zacapa.
195410. *SPONDIAS* sp. Anacardiaceae.  
No. 2756. Near Retalhuleu, Retalhuleu.
195411. *STIZOLOBIUM* sp. Fabaceae.  
No. 2761. Near Retalhuleu, Retalhuleu.
195412. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.  
No. 2637. Jalapa, Jalapa.
- 195413 to 195415. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.  
195413. No. 2710. Market, Olinstepeque, Quezaltenango.  
195414. No. 2726. Market, Totonicapán, Totonicapán.  
195415. No. 2743. Market, Mazatenango, Suchitepéquez.
- 195416 and 195417. *VIGNA SINENSIS* (Torner) Savi. Fabaceae. Cowpea.  
195416. No. 2601. Market, Zacapa, Zacapa.  
195417. No. 2602. Market, Zacapa, Zacapa.
195418. *VINCETOXICUM* sp. Asclepiadaceae.  
No. 2619. Toward Gualán from Zacapa, Zacapa.
195419. *VINCETOXICUM* sp.  
No. 2620. Toward Gualán from Zacapa, Zacapa.
195420. *VINCETOXICUM* sp.  
No. 2635. Jalapa, Jalapa.
195421. *VINCETOXICUM* sp.  
No. 2759. Near Retalhuleu, Retalhuleu.
- 195422 to 195470. *ZEA MAYS* L. Poaceae. Corn.  
195422 to 195432. Market, Huehuetenango, Huehuetenango.
- |                   |                   |
|-------------------|-------------------|
| 195422. No. 2576. | 195428. No. 2582. |
| 195423. No. 2577. | 195429. No. 2583. |
| 195424. No. 2578. | 195430. No. 2584. |
| 195425. No. 2579. | 195431. No. 2585. |
| 195426. No. 2580. | 195432. No. 2586. |
| 195427. No. 2581. |                   |

## 195285 to 195470.—Continued

## 195422 to 195470.—Continued

195433 to 195435. Market, Zacapa, Zacapa.

195433. No. 2595.

195434. No. 2596.

195435. No. 2597.

195436 to 195438. Jalapa, Jalapa.

195436. No. 2642.

195437. No. 2643.

195438. No. 2644.

195439. No. 2679. Market, Quezaltenango, Quezaltenango.

195440. No. 2678. Market, Quezaltenango, Quezaltenango.

195441. No. 2662. Market, Jutiapa, Jutiapa.

195442. No. 2680. Market, Quezaltenango, Quezaltenango.

195443 to 195447. Market, San Juan, Quezaltenango.

195443. No. 2701.

195446. No. 2704.

195444. No. 2702.

195447. No. 2705.

195445. No. 2703.

195448. No. 2709. Market, Olinstepeque, Quezaltenango.

195449. No. 2711. Market, Olinstepeque, Quezaltenango.

195450 to 195452. Market, Salcajá, Quezaltenango.

195450. No. 2714.

195451. No. 2715.

195452. No. 2716.

195453 to 195458. Market, Totonicapán, Totonicapán.

195453. No. 2719.

195456. No. 2722.

195454. No. 2720.

195457. No. 2723.

195455. No. 2721.

195458. No. 2724.

195459 to 195462. Market, Mazatenango, Suchitepéquez.

195459. No. 2732.

195461. No. 2734.

195460. No. 2733.

195462. No. 2735.

195463. No. 2770. Market, Antigua, Guatemala.

195464. No. 2772. Market, Antigua, Guatemala.

195465. No. 2774. Market, Escuintla, Escuintla.

195466. No. 2775. Market, Escuintla, Escuintla.

195467 to 195470. Market, Tecpán, Chimaltenango.

195467. No. 2789.

195469. No. 2791.

195468. No. 2790.

195470. No. 2792.

## 195471 to 195474.

From Iran. Seeds obtained through H. V. Geib, American Embassy, Tehran.  
Received Apr. 17, 1951.

195471 and 195472. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.

195471. Esfahan, Tehran.

195472. *Longhor*. Esfahan, Tehran.

## 195471 to 195474.—Continued

- 195473 and 195474. *ORYZA SATIVA* L. Poaceae. Rice.  
 195473. *Domsich; Blacktail*. Gilan, Caspian region.  
 195474. *Sadri*. Dizful. Excellent for cooking.

## 195475 to 195478.

From the Union of South Africa. Seeds presented by L. C. C. Liebenberg, Department of Agriculture, Pretoria, Transvaal. Received Apr. 17, 1951.

Grown at Rietvlei Research Station.

195475. *ANDROPOGON* sp. Poaceae.  
 195476. *BROMUS CATHARTICUS* Vahl. Poaceae. Rescue grass.  
 Nakuru type.  
 195477. *FESTUCA ARUNDINACEA* Schreb. Poaceae.  
 195478. *LOTONONIS BAINESII* Baker. Fabaceae.

## 195479 to 195485.

From Sweden. Seeds presented by W. Weibull, Landskrona. Received Apr. 17, 1951.

- 195479 and 195480. *AVENA SATIVA* L. Poaceae. Oats.  
 195479. *Bambu-II*.  
 195480. *Trio*.  
 195481. *HORDEUM DISTICHON* L. Poaceae. Barley.  
*Balder*.  
 195482. *TRIFOLIUM HYBRIDUM* L. Fabaceae. Alsike clover.  
*Tetra*.  
 195483. *TRIFOLIUM PRATENSE* L. Red clover.  
*Resistentia*.  
 195484 and 195485. *TRIFOLIUM REPENS* L. White clover.  
 195484. *Nora*.  
 195485. *Robusta*.

## 195486 to 195491.

From Honduras. Roots collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 18, 1951.

Collected Apr. 10, 1951 from Santa Marta, near San Pedro Sula, Cortés, unless otherwise noted.

195486. *DIOSCOREA* sp. Dioscoreaceae.  
 No. 2904. *Redondo*.  
 195487. *SMILAX LANCEOLATA* L. Smilacaceae.  
 No. 2903. *Cuculmeca*. Near Rio Iganto and Santa Rosa de Copán, Copán. Root used medicinally for rheumatism.  
 195488. *DIOSCOREA* sp. Dioscoreaceae.  
 No. 2907. *Largo*.  
 195489. *SMILAX LANCEOLATA* L. Smilacaceae.  
 No. 2909. *Cuculmeca*.  
 195490. *DIOSCOREA* sp. Dioscoreaceae.  
 No. 2905. *Yampi*.  
 195491. *COLOCASIA* sp. Araceae.  
 No. 2906. *Malanga Chino*.

**195492 to 195496.**

From the Netherlands. Seeds presented by Dr. V. J. Konningsberger, Director, Botanic Garden, University of Utrecht. Received Apr. 18, 1951.

195492. *DATURA METELOIDES* DC. Solanaceae.

195493. *LINUM AFRICANUM* L. Linaceae.

195494. *LINUM AUSTRIACUM* L.

195495. *LINUM DECUMBENS* Desf.

195496. *LINUM FLAVUM* L.

**195497 to 195523. STROPHANTHUS** spp. Apocynaceae.

From New Jersey. Seeds presented by Dr. B. A. Krukoff, Merek & Company, Rahway. Received Apr. 20, 1951.

Original sources for this material indicated when known.

195497. *STROPHANTHUS ARNOLDIANUS* DeWild. & Dur.

No. 9R7837. Belgian Congo.

195498 and 195499. *STROPHANTHUS COURMONTII* Sacleux.

195498. No. 50R3454.

195499. No. 50R7124.

195500. *STROPHANTHUS DIVARICATUS* Hook. & Arn.

No. 50R2079. China.

195501 and 195502. *STROPHANTHUS EMINII* Aschers. & Pax.

195501. No. 9R8382. Tanganyika.

195502. No. 9R8972. Tanganyika.

195503. *STROPHANTHUS GERRARDII* Stapf.

No. 50R1471.

195504 and 195505. *STROPHANTHUS GRANDIFLORUS* (N. E. Brown) Gilg.

195504. No. 50R1470.

195505. No. 50R4951.

195506. *STROPHANTHUS GRATUS* (Wall. & Hook.) Baill.

No. 50R3633.

195507 to 195510. *STROPHANTHUS HISPIDUS* A. DC.

195507. No. 50R4195. Nigeria.

195508. No. 50R5846.

195509. No. 51R1041. India.

195510. No. 9R9112. French Cameroons.

195511. *STROPHANTHUS HYPOLEUCUS* Stapf.

No. 50R3634. Eastern Africa.

195512. *STROPHANTHUS INTERMEDIUS* Pax.

No. 50R6549.

195513. *STROPHANTHUS PREUSSII* Engl. & Pax.

No. 50R4192. Nigeria.

195514 to 195519. *STROPHANTHUS SARMENTOSUS* DC.

195514. No. 50R2431. Liberia.

195515. No. 50R3000. Gambia.

195516. No. 50R3416. Sierra Leone.

**195497 to 195523.—Continued****195514 to 195519.—Continued**

195517. No. 50R3879. French Cameroons.

195518. No. 50R4194. Liberia.

195519. No. 9R8280. Belgian Congo.

**195520. STROPHANTHUS THOLLONI Franch.**

No. 9R9114. French Cameroons.

**195521. STROPHANTHUS WELWITSCHII (Baill.) K. Schum.**

No. 50R6548.

**195522. STROPHANTHUS WIGHTIANUS Wall.**

No. 50R584. India.

**195523. STROPHANTHUS sp.**

No. 50R7125. Angola.

**195524 and 195525. ZEA MAYS L. Poaceae.****Corn.**

From Guatemala. Seeds presented by Robert C. Moncure, Office of Foreign Agricultural Relations, United States Department of Agriculture. Received Apr. 23, 1951.

195524. San Mateo, Iztatán, Huehuetenango; altitude 8,500 feet.

195525. Santa Eulalia, Huehuetenango; altitude 8,300 feet; matures in 6 to 7 months.

**195526 to 195528. LUPINUS spp. Fabaceae.****Lupine.**

From Germany. Seeds presented by the Max Planck Institute, Voldagsen über Elze. Received Apr. 23, 1951.

**195526. LUPINUS ANGUSTIFOLIUS L.****Lupine.***Esculentus* type 411.**195527 and 195528. LUPINUS LUTEUS L.****European yellow lupine.**195527. *Amoenus* type 80.195528. *Dulcis* type 8 (Wieko).**195529 to 195535. TRIFOLIUM REPENS L. Fabaceae.****White clover.**

From Italy. Seeds presented by the Stazione Sperimentale di Praticoltura, Lodi. Received Apr. 23, 1951.

195529. No. 1. 195533. No. 5.

195530. No. 2. 195534. No. 6.

195531. No. 3. 195535. No. 7.

195532. No. 4.

**195536. VERATRUM VIRIDE Ait. Liliaceae.**

From New Jersey. Plants presented by M. B. Whitney, Brentwood. Received Apr. 23, 1951.

**195537 to 195541. BROMUS INERMIS Leyss. Poaceae.****Bromegrass.**

From Canada. Seeds presented by the Dominion Forage Crops Laboratory, Saskatoon, Saskatchewan. Received Apr. 23, 1951.

195537. *S-526*. 195540. *53-7*.195538. *S-1651*. 195541. *81-4*.195539. *S-2646*.

**195542. HORDEUM VULGARE L. Poaceae. Common barley.**

From Tibet. Seeds presented by Henrig Harrar, Tibetan Government, through the American Embassy, New Delhi, India. Received Apr. 24, 1951.

Grown at an altitude of 15,000 to 16,000 feet in Tibet.

**195543 to 195549. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

From Austria. Seeds presented by the Landwirtschaftsbetrieb der Stadt, Vienna. Received Apr. 27, 1951.

195543. *Austro-Bankut.*

195547. *Loorsdorfer Austro-Bankut.*

195544. *Dioszegher.*

195548. *Marienhofer.*

195545. *Hohenauer.*

195549. *Tschermaks Weiber Begrannter Marchfelder.*

195546. *Korneuburger.*

**195550 to 195741.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 24, 1951.

Collected in February 1951.

195550. *AVENA* sp. Poaceae.

No. 9888. Dessie and Batie.

195551. *AVENA* sp.

No. 9964. Harage Province.

195552 to 195554. From Dessie.

195552. *BRASSICA* sp. Brassicaceae.

No. 9707.

195553. *BRASSICA* sp.

No. 9708.

195554. *BRASSICA* sp.

No. 9709.

195555. *CANNA* sp. Cannaceae.

No. 9629. Ambo.

195556 to 195558. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

195556. No. 9329. Market, Gondar.

195557. No. 9330. Market, Gondar.

195558. No. 9868. Batie.

195559 and 195560. *CARICA PAPAYA* L. Caricaceae. **Papaya.**

195559. No. 9597. Garden, Ambo.

195560. No. 9877. Batie.

195561. *CICER ARIETINUM* L. Fabaceae. **Chickpea.**

No. 9580. Market, Ambo.

195562. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. **Watermelon.**

No. 9616. Market, Addis Ababa.

195563. *COFFEA* sp. Rubiaceae. **Coffee.**

No. 9549. Market, Guder.

## 195550 to 195741.—Continued

195564. CUCURBITA FICIFOLIA Bouché. Cucurbitaceae.  
No. 96626. Addis Alam.
- 195565 to 195571. GOSSYPIUM. Malvaceae. Cotton.
195565. No. 9710. *Italian*. Market, Dessie.
195566. No. 9711. *Ethiopian*. Market, Dessie.
- 195567 to 195570. Market, Batié.
195567. No. 9851. 195569. No. 9853.
195568. No. 9852. 195570. No. 9864.
195571. No. 9882. Market, Dessie.
195572. GUIZOTIA ABYSSINICA (L.f.) Cass. Asteraceae.  
No. 9865. Batié.
- 195573 and 195574. HELIANTHUS ANNUUS L. Asteraceae. Sunflower.
195573. No. 9588. Garden, Ambo.
195574. No. 9591. Garden, Ambo.
- 195575 to 195601. HORDEUM spp. Poaceae. Barley.
- 195575 to 195586. From market, Guder.
- 195575 to 195579. HORDEUM VULGARE L. Poaceae. Common barley.
195575. No. 9527. 195578. No. 9530.
195576. No. 9528. 195579. No. 9531.
195577. No. 9529.
- 195580 and 195581. HORDEUM DEFICIENS Steud. Deficient barley.
195580. No. 9532.
195581. No. 9533.
- 195582 to 195586. HORDEUM VULGARE L. Common barley.
195582. No. 9534. 195585. No. 9537.
195583. No. 9535. 195586. No. 9538.
195584. No. 9536.
- 195587 to 195598. From market, Ambo.
- 195587 and 195588. HORDEUM VULGARE L.
195587. No. 9552.
195588. No. 9553.
- 195589 and 195590. HORDEUM IRREGULARE Åberg & Wiebe.
195589. No. 9555.
195590. No. 9556.
195591. HORDEUM VULGARE L. Common barley.
- No. 9557.
195592. HORDEUM IRREGULARE Åberg & Wiebe.  
No. 9558.
- 195593 to 195595. HORDEUM VULGARE L. Common barley.
195593. No. 9559.
195594. No. 9560.
195595. No. 9571.

195550 to 195741.—Continued

195575 to 195601.—Continued

195587 to 195598.—Continued

195596. *HORDEUM DISTICHON* L.

No. 9572.

195597. *HORDEUM VULGARE* L.

Common barley.

No. 9573.

195598. *HORDEUM DISTICHON* L.

No. 9595.

195599 to 195601. *HORDEUM VULGARE* L.

Common barley.

195599. No. 9875. Batié.

195600. No. 9890. Dessié.

195601. No. 9960. Harage Province.

195602 to 195607. *LATHYRUS CICERA* L. Fabaceae.

From the market, Addis Ababa.

195602. No. 9610.

195605. No. 9613.

195603. No. 9611.

195606. No. 9614.

195604. No. 9612.

195607. No. 9615.

195608 and 195609. *LEPIDIUM SATIVUM* L. Brassicaceae.

Garden cress.

From the market, Dessié.

195608. No. 9792.

195609. No. 9793.

195610 to 195614. *LINUM USITATISSIMUM* L. Linaceae.

Flax.

195610. No. 9581. Market, Ambo.

195613. No. 9866. Market, Batié.

195611. No. 9765. Market, Dessié.

195614. No. 9897. Shop, Dessié.

195612. No. 9766. Market, Dessié.

195615 and 195616. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

Robit, between Dessié and Debra Sina.

195615. No. 9914.

195616. No. 9915.

195617 to 195622. *NICOTIANA TABACUM* L. Solanaceae.

Tobacco.

Along streets, Dessié.

195617. No. 9795.

195620. No. 9798.

195618. No. 9796.

195621. No. 9799.

195619. No. 9797.

195622. No. 9800.

195623. *NIGELLA SATIVA* L. Ranunculaceae.

Black cumin.

No. 9871. *Abosda*. Market, Batié.

195624. *PHASEOLUS LUNATUS* L. Fabaceae.

Lima bean.

No. 9622. Shop, Addis Ababa.

195625 to 195627. *PHASEOLUS VULGARIS* L.

Common bean.

Gojjam Province.

195625. No. 9893.

195626. No. 9894.

195627. No. 9895.

## 195550 to 195741.—Continued

- 195628 to 195631. *PISUM SATIVUM* L. Fabaceae. Pea.
195628. No. 9544. Market, Guder.
195629. No. 9545. Market, Guder.
195630. No. 9579. Market, Ambo.
195631. No. 9886. Dessie and Batie.
- 195632 to 195677. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
- 195632 to 195657. Market, Guder.
195632. No. 9495. 195645. No. 9508.
195633. No. 9496. 195646. No. 9509.
195634. No. 9497. 195647. No. 9510.
195635. No. 9498. 195648. No. 9511.
195636. No. 9499. 195649. No. 9512.
195637. No. 9500. 195650. No. 9513.
195638. No. 9501. 195651. No. 9514.
195639. No. 9502. 195652. No. 9515.
195640. No. 9503. 195653. No. 9516.
195641. No. 9504. 195654. No. 9517.
195642. No. 9505. 195655. No. 9518.
195643. No. 9506. 195656. No. 9519.
195644. No. 9507. 195657. No. 9520.
195658. No. 9608. Barristorante.
195659. No. 9628. Guder.
- 195660 to 195669. Dessie.
195660. No. 9801. 195665. No. 9806.
195661. No. 9802. 195666. No. 9807.
195662. No. 9803. 195667. No. 9808.
195663. No. 9804. 195668. No. 9809.
195664. No. 9805. 195669. No. 9810.
195670. No. 9811. Near Kombolsha.
195671. No. 9812. Near Kombolsha.
195672. No. 9878. Dessie.
195673. No. 9896. Mixed varieties, sorted from collections.
195674. No. 9904. Dessie.
195675. No. 9909. Rift Valley.
195676. No. 9910. Rift Valley.
195677. No. 9911. Rift Valley.
195678. *RUTA GRAVEOLENS* L. Rutaceae. Common rue.
- No. 9491. Market, Addis Ababa.
- 195679 and 195680. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.
195679. No. 9791. Dessie.
195680. No. 9867. Batie.
- 195681 to 195690. *SORGHUM VULGARE* Pers. Poaceae.
195681. No. 9492. Between Addis Ababa and Ambo.

195550 to 195741.—Continued

195681 to 195690.—Continued

195682 to 195684. Market, Guder.

195682. No. 9546.

195683. No. 9547.

195684. No. 9548.

195685 to 195688. Market, Ambo.

195685. No. 9574.

195687. No. 9576.

195686. No. 9575.

195688. No. 9589.

195689. No. 9885.

195690. No. 9961. Harage Province.

195691 and 195692. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae.

Fenugreek.

195691. No. 9794. Dessie.

195692. No. 9869. Batie.

195693 to 195720. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

195693. No. 9493. Between Addis Ababa and Ambo.

195694 to 195696. Market, Guder.

195694. No. 9524.

195695. No. 9525.

195696. No. 9526.

195697 to 195706. Market, Ambo.

195697. No. 9561.

195702. No. 9567.

195698. No. 9562.

195703. No. 9568.

195699. No. 9564.

195704. No. 9569.

195700. No. 9565.

195705. No. 9570.

195701. No. 9566.

195706. No. 9593.

195707 to 195711. Barristorante.

195707. No. 9602.

195710. No. 9605.

195708. No. 9603.

195711. No. 9607.

195709. No. 9604.

195712 to 195720. Market, Batie.

195712. No. 9855.

195717. No. 9860.

195713. No. 9856.

195718. No. 9861.

195714. No. 9857.

195719. No. 9862.

195715. No. 9858.

195720. No. 9863.

195716. No. 9859.

195721 to 195723. *TRITICUM DICOCCUM* Schrank.

Emmer.

195721. No. 9876. Market, Batie.

195722. No. 9889. Dessie.

195723. No. 9963. Harage Province.

195724 to 195726. Market, Ambo.

195724. *TRITICUM* sp.

No. 9563.

## 195550 to 195741.—Continued

## 195724 to 195726.—Continued

195725. TRITICUM sp.

No. 9592.

195726. TRITICUM sp.

No. 9594.

195727. TRITICUM sp.

No. 9606. Barristorante.

195728. TRITICUM sp.

No. 9854. Batic.

195729. TRITICUM sp.

No. 9962. Harage Province.

195730. TRITICUM sp.

No. 9887. Dessie.

195731 to 195738. VICIA FABA L. Fabaceae.

Broadbean.

195731 to 195734. Market, Guder.

195731. No. 9540.

195733. No. 9542.

195732. No. 9541.

195734. No. 9543.

195735 to 195737. Market, Ambo.

195735. No. 9577.

195736. No. 9578.

195737. No. 9590.

195738. No. 9892. Market, Dessie.

195739. VIGNA sp. Fabaceae.

No. 9874. Batic. Mixture.

195740. VIGNA sp.

No. 9891. Dessie. Mixture.

195741. ZEA MAYS L. Poaceae.

Corn.

No. 9539. Market, Guder.

## 195742 to 195749. CAMELINA SATIVA (L.) Crantz. Brassicaceae.

From France. Seeds presented by the Station Centrale D'Amelioration Des Plantes, Versailles. Received Apr. 25, 1951.

195742. *Cadart II.*195746. *Labee Leplatre.*195743. *Cadart III.*195747. *Palisse.*195744. *Gornier.*195748. *Plissonnecan.*195745. *Griffith's.*195749. *Roge.*

## 195750 to 195757.

From China. Seeds presented by Raymond Baker, Pioneer Hi-Bred Corn Company, Johnston, Iowa. Received Apr. 25, 1951.

195750. ABUTILON THEOPHRASTI Medic. Malvaceae.

Chingma.

*Pang-pu.* From Anhwei. High yielding.

195751. HIBISCUS CANNABINUS L. Malvaceae.

Kenaf.

*H. W. 1.* From Kirilin. Extra high yielding in fiber.

195752 and 195753. PANICUM MILIACEUM L. Poaceae.

Proso.

195752. *Chiu-keng.* From Shangsi. Spring-sown, high-yielding.195753. *Y. S. 811.* From Hopei. Spring-sown, high-yielding.

## 195750 to 195757.—Continued

195754 and 195755. *SORGHUM VULGARE* Pers. Poaceae.

195754. *Kaoliang*; *Summer Red*. From Hopei. Saline tolerant, loose type.

195755. *Shantung*. From Hopei. Compact type.

195756 and 195757. *ZEA MAYS* L. Poaceae. Corn.

195756. *H. N. 2*. From Peiping. Spring-sown, drought-resistant.

195757. *H. N. 1*. From Peiping. Summer-sown, early-maturing.

## 195758 to 195821.

From Guatemala. Seeds collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 26, 1951.

175758. *ASCLEPIAS* sp. Asclepiadaceae.

No. 2794. Near Jutiapa, Jutiapa.

195759. *ASCLEPIAS* sp.

No. 2795. Near Jutiapa, Jutiapa.

195760. *ASCLEPIAS* sp.

No. 2826. Volcán de Agua, Sacatepéquez.

195761. *ASCLEPIAS* sp.

No. 2836. Antigua, Sacatepéquez.

195762. *ASCLEPIAS* sp.

No. 2844. Santa Cruz, near Antigua.

195763. *ASCLEPIAS* sp.

No. 2849. Santa Cruz, near Antigua.

195764. *BIXA ORELLANA* L. Bixaceae. Anatto-tree.

No. 2810. Santo Tomás, Izabal.

195765 and 195766. *CALLIANDRA* sp. Mimosaceae.

195765. No. 2830. Guacalate, near Antigua.

195766. No. 2837. Cerro Concepción, near Antigua.

195767. *CANAVALIA* sp. Fabaceae.

No. 2831. Cerro Concepción, near Antigua.

195768. *CANAVALIA* sp.

No. 2834. Cerro Concepción, near Antigua.

195769. *CANAVALIA* sp.

No. 2843. Santa Cruz, near Antigua.

195770. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.

No. 2822. Market, Palín, Escuintla.

195771. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.

No. 2805. Puerto Barrios, Izabal.

195772. *CROTALARIA* sp. Fabaceae.

No. 2839. Santa Cruz, near Antigua.

195773. *CROTALARIA* sp.

No. 2848. Santa Cruz, near Antigua.

195774. *ERYTHRINA HERBACEA* L. Fabaceae. Coraltree.

No. 2845. Santa Cruz, near Antigua.

## 195758 to 195821.—Continued

195775. *GALACTIA* sp. Fabaceae.  
No. 2798. Near Jutiapa, Jutiapa.
195776. *LUFFA AEGYPTIACA* Mill. Cucurbitaceae. **Suakwa towelgourd.**  
No. 2814. Puerto Barrios, Izabal.
- 195777 to 195791. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**  
195777 to 195783. Market, Antigua.  
195777. No. 2509. Cherry tomato,  $\frac{1}{2}$  inch in diameter.  
195778. No. 2510. Flat,  $1\frac{1}{2}$  inches in diameter.  
195779. No. 2511. Globose,  $\frac{1}{8}$  to  $\frac{1}{4}$  inch in diameter.  
195780. No. 2512. Flat, ribbed,  $1\frac{1}{2}$  inches in diameter.  
195781. No. 2513. Nearly globose,  $\frac{1}{4}$  to  $\frac{1}{3}$  inch in diameter.  
195782. No. 2514. Subglobose, 1 inch in diameter.  
195783. No. 2515. Subglobose, 1 inch in diameter.
- 195784 to 195787. Market, Chin:altenango, Chimaltenango.  
195784. No. 2523. Globose, red,  $\frac{1}{3}$  inch in diameter.  
195785. No. 2524. Subglobose,  $\frac{1}{2}$  inch in diameter.  
195786. No. 2525. Flattened, 1 inch in diameter.  
195787. No. 2565. Globose,  $\frac{1}{2}$  inch in diameter.
195788. No. 2609. Market, Zacapa, Zacapa. Globose,  $\frac{1}{3}$  inch in diameter, red.
195789. No. 2821. Market, Palín, Escuintla.
195790. No. 2850. Market, Quezaltenango, Quezaltenango.
195791. No. 2851. Market, Jalapa, Jalapa.
195792. *MIMOSA* sp. Fabaceae.  
No. 2828. *Montana*. Guacalate, near Antigua.
195793. *PHASEOLUS ATROPURPUREUS* DC. Fabaceae.  
No. 2796. Near Jutiapa, Jutiapa.
195794. *PHASEOLUS COCCINEUS* L.  
No. 2829. Guacalate, near Antigua.
- 195795 to 195798. *PHASEOLUS LUNATUS* L. **Lima bean.**  
195795. No. 2804. Puerto Barrios, Izabal.  
195796. No. 2832. Near Antigua.  
195797. No. 2842. Santa Cruz, near Antigua. Perennial vine, indigenous.  
195798. No. 2838. Santa Cruz, near Antigua. Perennial, indigenous.
- 195799 to 195806. *PHASEOLUS VULGARIS* L. **Common bean.**  
195799 to 195802. Market, Puerto Barrios, Izabal.  
195799. No. 2801. 195801. No. 2803.  
195800. No. 2802. 195802. No. 2823.
195803. No. 2824. Volcán de Agua, Sacatepéquez.  
195804. No. 2840. Santa Cruz, near Antigua.  
195805. No. 2841. Santa Cruz, near Antigua.  
195806. No. 2847. Santa Cruz, near Antigua.

195758 to 195821.—Continued

195807. PHASEOLUS sp.  
 No. 2799. Near Jutiapa, Jutiapa.
195808. PHYSALIS sp. Solanaceae.  
 No. 2820. Market, Palín, Escuintla.
195809. PHYSALIS sp.  
 No. 2516. *Miltomate*. Market, Antigua.
195810. PHYSALIS sp.  
 No. 2593. *Miltomate*. Market, Guatemala City.
195811. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.  
 No. 2835. Near Antigua.
195812. RHYNCHOSIA sp. Fabaceae.  
 No. 2833. Cerro Concepción, near Antigua.
195813. SOLANUM sp. Solanaceae.  
 No. 2797. Near Jutiapa, Jutiapa.
195814. SOLANUM sp.  
 No. 2811. Near Santo Tomás, Izabal.
195815. TRICHILIA sp. Meliaceae.  
 No. 2748. *Napaguatc*. Retalhuleu, Retalhuleu. Used to wash hair and kill lice.
195816. VIGNA SINENSIS (Torner) Savi. Fabaceae. Cowpea.  
 No. 2809. Near Santo Tomás, Izabal.
- 195817 to 195821. ZEA MAYS L. Poaceae. Corn.
195817. No. 2806. Puerto Barrios, Izabal.
195818. No. 2807. Puerto Barrios, Izabal.
195819. No. 2808. Jicaro, Zacapa.
195820. No. 2818. Market, Palín, Escuintla.
195821. No. 2819. Market, Palín, Escuintla.

195822 and 195823.

From Sweden. Presented by the State Horticultural Research Station, Alnarp. Received Apr. 20, 1951.

195882. MALUS SYLVESTRIS Mill. Malaceae. Apple.  
*Opal*. (Scions.)
195823. RUBUS sp. Rosaceae.  
*Marlbormy*. (Plants.)

195824 to 195837. MALUS SYLVESTRIS Mill. Malaceae. Apple.

From Japan. Scions presented by K. Tsukiashi, Aomori Apple Experiment Station, Aomori Prefecture. Received Apr. 26, 1951.

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|------------------------------|----------------------------|
| 195824. <i>Amanishiki</i> .  | 195831. <i>Kyokko</i> .    |
| 195825. <i>Fukunishiki</i> . | 195832. <i>Megumi</i> .    |
| 195826. <i>Fukutami</i> .    | 195833. <i>Murasaki</i> .  |
| 195827. <i>Goldenmelon</i> . | 195834. <i>Mutsu</i> .     |
| 195828. <i>Horei</i> .       | 195835. <i>Shin-Indo</i> . |
| 195829. <i>Kinrei</i> .      | 195836. <i>Shinko</i> .    |
| 195830. <i>Korei</i> .       | 195837. <i>Shinsei</i> .   |

## 195838 to 195849.

From China. Seeds presented by W. W. Overholt, Fukien Christian University, Foochow, Fukien. Received Apr. 26, 1951.

195838. *CANTHAROSPERMUM SCARABAEODEUM* (L.) Baill. Fabaceae.  
 195839. *DESMODIUM POLYCARPUM* DC. Fabaceae.  
 195840. *DESMODIUM PULCHELLUM* (L.) Benth.  
 195841. *DUNBARIA SUBRHOMBEA* Miq. Fabaceae.  
 195842. *LESPEDEZA CUNEATA* (Dum.-Cours.) G. Don. Fabaceae.  
 195843. *LESPEDEZA RETUSA* Nakai.  
 195844. *LESPEDEZA STIPULACEA* Maxim.  
 195845. *LESPEDEZA STRIATA* (Thunb.) Hook. & Arn.  
 195846. *PUERARIA LOBATA* (Willd.) Ohwi. Fabaceae. **Kudzu.**  
 195847. *PYCNOSPORA LUTESCENS* (Poir.) Schindl. Fabaceae.  
 195848. *RHYNCHOSIA VOLUBILIS* Lour. Fabaceae. **Rosarybean.**  
 195849. *URARIA LAGAPODIOIDES* (L.) Desv. Fabaceae.

195850. *EUPHORBIA ANTISYPHILITICA* Zucc. Euphorbiaceae.

From Mexico. Plants collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 26, 1951.

No. 10386. *Candelilla*. Zarca Mesa, Rio Nazas, Durango. Apr. 20, 1951.

## 195851 to 195856.

From Egypt. Seeds presented by the Botanical and Plant Breeding Section, Giza, Orman. Received Apr. 27, 1951.

195851. *DOLICHOS LABLAB* L. Fabaceae. **Hyacinth-bean.**  
 195852. *LENS CULINARIS* Medic. Fabaceae. **Lentil.**  
 195853 and 195854. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. **Fenugreek.**  
 195853. *Minia* 39.  
 195854. *Gharbia* 6.  
 195855 and 195856. *VICIA FABA* L. Fabaceae. **Broadbean.**  
 195855. *Rebaya B* 41.  
 195856. (No varietal name.)

## 195857 to 195882.

From Africa. Collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Apr. 30, 1951.

Collected in April 1951. Material collected was bulbs unless otherwise noted.

195857. *ALBUCA* sp. Liliaceae.  
 No. A-122. Seventy-seven miles south of Albercorn, on Lusaka road, Northern Rhodesia.  
 195858. *BOOPHONE DISTICHA* (L.f.) Herbert. Amaryllidaceae.  
 No. A-117. Forty-three miles from Fort Hill, Nyasaland.  
 195859. *CRINUM* sp. Amaryllidaceae.  
 No. A-125. Between Zimba and Livingstone, Northern Rhodesia.

## 195857 to 195882.—Continued

195860. *DIOSCOREA* sp. Dioscoreaceae.

No. A-119. Near Lake Meita, 1 mile north of Abercorn, Northern Rhodesia.

195861. *EUCOMIS UNDULATA* Ait. Liliaceae.

No. A-105. Forty-two miles from Salisbury, Southern Rhodesia. (Tubers.)

195862. *GLADIOLUS* sp. Iridaceae.

No. A-116. Twenty miles east of Fort Hill, Nyasaland.

193863. *HAEMANTHUS* sp. Amaryllidaceae.

No. A-126. Opposite main cataract, Victoria Falls, Southern Rhodesia.

195864. *HYPOXIS* sp. Amaryllidaceae.

No. A-115. Fourteen miles from Fort Hill, Nyasaland. (Tubers.)

195865. (Undetermined.)

No. A-123. Seventy-seven miles north of Abercorn, Northern Rhodesia.

195866. *ORNITHOGALUM* sp. Liliaceae.

No. A-121. Sixty-one miles from Abercorn, Northern Rhodesia.

195867. *URGINEA ALTISSIMA* (L.f.) Baker. Liliaceae.

No. A-120. Lake Kwela, Tanganyika.

195868. (Undetermined.)

No. A-106. Four miles north of Chirundu Bridge, Northern Rhodesia. (Tubers.)

195869. *AMMOCHARIS CORANICA* Herb. Amaryllidaceae.

No. A-108. Eleven miles from Lusaka, Northern Rhodesia.

195870. (Undetermined.)

No. A-124. Between Zimba and Livingstone, Northern Rhodesia. (Tubers.)

195871. (Undetermined.)

No. A-128. Twenty-nine miles south of customs barrier at Victoria Falls, Southern Rhodesia, on road to Bulawayo.

195872. (Undetermined.)

No. A-104. Beyond Wellesley, on road from Salisbury to Sinoia, 37 miles from Salisbury.

195873. *AGAPANTHUS INAPERTUS* Beauverd. Liliaceae.

No. A-111. Bloem Erf Nursery, Stellenbosch, Cape Province.

195874. *CRINUM* sp. Amaryllidaceae.

No. A-137. Road between Potgietersrust and Naboomspruit, Transvaal. (Tubers.)

195875. *EUCOMIS PUNCTATA* L'Herit. Liliaceae.

No. A-134. Near summit of Magoebas, between Tzaneen and Pietersburg, Transvaal.

195876. *SCILLA* sp. Liliaceae.

No. A-133. Between Zoekmakar and Munnik, Transvaal.

195877. *AMMOCHARIS CORANICA* Herb. Amaryllidaceae.

No. A-132. Between Zoekmakar and Munnik, Transvaal.

**195857 to 195882.—Continued**

195878. (Undetermined.)

No. A-136. Boyne, northern Transvaal.

195879. AGAPANTHUS sp. Liliaceae.

No. A-112. Bloem Erf Nursery, Stellenbosch, Cape Province.

195880 and 195881. AGAPANTHUS AFRICANUS (L.) Hoffmgg.

195880. No. A-109. *Pendulimis*. Bloem Erf Nursery, Stellenbosch, Cape Province.

195881. No. A-114. Plettenberg Bay, Cape Province. (Tubers.)

195882. VALLOTA SPECIOSA (L.f.) Dur. & Schinz. Amaryllidaceae.

No. A-113. Plettenberg Bay, Cape Province. Showy, red flowers.

**195883 to 195891.**

From Nicaragua. Tubers collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 1, 1951.

195883. CRINUM LONGIFOLIUM (L.) Thunb. Amaryllidaceae.

No. 2911. *Lirio*. Along Rio Escondido, 15 miles from Bluefields.

195884 to 195890. Along Rio Escondido, 30 miles above Bluefields.

195884. DIOSCOREA sp. Dioscoreaceae.

No. 2910. *Name Blanco*.

195885. DIOSCOREA sp.

No. 2914. *Name Balleri*.

195886. DIOSCOREA sp.

No. 2915. *Name Morado Silvestre*.

195887. DIOSCOREA sp.

No. 2916. *Yampi Morado*.

195888. DIOSCOREA sp.

No. 2917. *Yampi Blanco*.

195889. DIOSCOREA sp.

No. 2918. *Name Amarillo*.

195890. DIOSCOREA sp.

No. 2919. *Name Blanco*.

195891. DIOSCOREA sp.

No. 2920. Market, Bluefields. Said to be the most uniform and best edible yam of Nicaragua.

**195892 to 195907.**

From Morocco. Seeds presented by the Centre de Recherches Agronomique, Rabat. Received May 1, 1951.

195892 to 195894. AVENA SATIVA L. Poaceae. Oats.

195892. 095.

195893. 153.

195894. 320.

195895. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.

## 195892 to 195907.—Continued

- 195896 to 195899. *HORDEUM VULGARE* L. Poaceae. Common barley.  
 195896. 071. 195898. 89.  
 195897. 077. 195899. 227.
195900. *HORDEUM DISTICHON* L. Barley.  
 No. 2891.
- 195901 to 195907. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.  
 195901. 250. 195905. 0181.  
 195902. 284. 195906. 1476.  
 195903. 422. 195907. 2970.  
 195904. 426.
- 195908 to 195913. *BRASSICA* spp. Brassicaceae.  
 From China. Seeds presented by William W. Overholt, Fukien Christian University, Foochow, Fukien. Received May 1, 1951.
- 195908 and 195909. *BRASSICA OLERACEA* var. *CAPitata* L. Brassicaceae. Cabbage.  
 195908. No. B-1.  
 195909. No. 4.
- 195910 and 195911. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Cauliflower.  
 195910. No. 1.  
 195911. No. 2.
- 195912 and 195913. *BRASSICA PEKINENSIS* (Lour.) Rupr. Petsai.  
 195912. No. 1.  
 195913. No. 2.
- 195914 to 195916. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. Berseem.  
 From Egypt. Seeds presented by N. A. Koshairy, Ministry of Agriculture, Giza, Orman. Received May 2, 1951.  
 195914. *Fahl*.  
 195915. *Khadrawi*.  
 195916. *Miskawi*.
- 195917 to 196131.  
 From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 2, 1951.  
 Collected in January and February 1951.
195917. *AGROSTIS LACHNANTHA* Nees. Poaceae.  
 No. 9598. Near Guder.
195918. *ALBIZZIA LOPHANTHA* (Willd.) Benth. Mimosaceae.  
 No. 9490. *Kacheria*. Addis Ababa. Cultivated.
195919. *AMMI COPTICUM* L. Apiaceae.  
 No. 9583. *Nech-abosde*. Market, Ambo.
195920. *ASCLEPIAS* sp. Asclepiadaceae.  
 No. 9883. *Guinde*. Batie.

## 195917 to 196131.—Continued

195921. BRASSICA sp. Brassicaceae.  
No. 9582. Market, Ambo.
195922. BRASSICA sp.  
No. 9705. Dessie.
195923. BRASSICA sp.  
No. 9706. Dessie.
195924. CARICA PAPAYA L. Caricaceae. **Papaya.**  
No. 9632. Shop, Addis Ababa.
195925. CARTHAMUS TINCTORIUS L. Asteraceae. **Safflower.**  
No. 9693. Dessie.
195926. CICER ARIETINUM L. Fabaceae. **Chickpea.**  
No. 9694. Dessie.
195927. CITRULLUS COLOCYNTHIS (L.) Schrad. Cucurbitaceae. **Colocynth.**  
No. 8667. Agaruen Hills, Ogaden region, Harage Province.
195928. CITRULLUS VULGARIS Schrad. **Watermelon.**  
No. 9617. Market, Addis Ababa.
195929. CUCURBITA PEPO L. Cucurbitaceae. **Pumpkin.**  
No. 9902. Dessie.
195930. CUMINUM CYMINUM L. Apiaceae. **Cumin.**  
No. 9584. *Nech-azmude*. Market, Ambo.
- 195931 to 195938. ERAGROSTIS TEF (Zuccagni) Trotter. Poaceae. **Teff.**
195931. No. 9609. Barristorante.
- 195932 to 195937. Dessie.
- |                   |                   |
|-------------------|-------------------|
| 195932. No. 9695. | 195935. No. 9698. |
| 195933. No. 9696. | 195936. No. 9704. |
| 195934. No. 9697. | 195937. No. 9780. |
195938. No. 9870. Batie.
195939. EUPHORBIA CANDELABRUM Trem. Euphorbiaceae.  
No. 9884. *Kulkwal*. Batie. Grown as an ornamental and for making living fences.
195940. FRAGARIA. Rosaceae. **Strawberry.**  
No. 9634. Shop, Addis Ababa. Fruits subglobose or ovoid, 1½ inches long.
195941. GOSSYPIUM. Malvaceae. **Cotton.**  
No. 9787. Dessie.
- 195942 to 195944. GUIZOTIA ABYSSINICA (L.f.) Cass. Asteraceae.
195942. No. 9699. Dessie.
195943. No. 9701. Dessie.
195944. No. 9700. Dessie.
- 195945 and 195946. HELIANTHUS ANNUUS L. Asteraceae. **Sunflower.**
195945. No. 9596. Ambo.
195946. No. 9918. Addis Ababa.

## 195917 to 196131.—Continued

- 195947 to 195984. *HORDEUM VULGARE* L. Poaceae. Common barley.
195947. No. 9619. From various markets.
- 195948 to 195981. From Dessie.
- |                   |                   |
|-------------------|-------------------|
| 195948. No. 9635. | 195965. No. 9741. |
| 195949. No. 9636. | 195966. No. 9742. |
| 195950. No. 9637. | 195967. No. 9743. |
| 195951. No. 9638. | 195968. No. 9744. |
| 195952. No. 9639. | 195969. No. 9745. |
| 195953. No. 9640. | 195970. No. 9746. |
| 195954. No. 9641. | 195971. No. 9747. |
| 195955. No. 9642. | 195972. No. 9748. |
| 195956. No. 9643. | 195973. No. 9749. |
| 195957. No. 9644. | 195974. No. 9750. |
| 195958. No. 9645. | 195975. No. 9751. |
| 195959. No. 9646. | 195976. No. 9752. |
| 195960. No. 9647. | 195977. No. 9753. |
| 195961. No. 9737. | 195978. No. 9754. |
| 195962. No. 9738. | 195979. No. 9782. |
| 195963. No. 9739. | 195980. No. 9783. |
| 195964. No. 9740. | 195981. No. 9784. |
- 195982 to 195984. From Batie.
195982. No. 9836.
195983. No. 9837.
195984. No. 9838.
- 195985 to 195991. From Batie.
195985. *HORDEUM DEFICIENS* Steud. Deficient barley.  
No. 9839.
195986. *HORDEUM VULGARE* L. Common barley.  
No. 9840.
- 195987 to 195989. *HORDEUM DEFICIENS* Steud. Deficient barley.
195987. No. 9841.
195988. No. 9842.
195989. No. 9843.
195990. *HORDEUM VULGARE* L. Common barley.  
No. 9844.
195991. *HORDEUM DEFICIENS* Steud. Deficient barley.  
No. 9919.
195992. *JUNIPERUS PROCERA* Hochst. Pinaceae. Juniper.  
No. 9901. Addis Ababa.
- 195993 to 196001. *LATHYRUS CICERA* L. Fabaceae.
- 195993 to 196000. Market, Dessie.
- |                   |                   |
|-------------------|-------------------|
| 195993. No. 9672. | 195997. No. 9676. |
| 195994. No. 9673. | 195998. No. 9767. |
| 195995. No. 9674. | 195999. No. 9769. |
| 195996. No. 9675. | 196000. No. 9768. |
196001. No. 9847. Batie.

## 195917 to 196131.—Continued

- 196002 and 196003. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**  
 196002. No. 9702. Dessie.  
 196003. No. 9703. Dessie.
- 196004 and 196005. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**  
 196004. No. 9587. Market, Ambo.  
 196005. No. 9631. Addis Ababa. Volunteer.
196006. *NIGELLA SATIVA* L. Ranunculaceae. **Black cumin.**  
 No. 9585. *Tekure Abosda*. Market, Ambo.
196007. *PANICUM* sp. Poaceae.  
 No. 9917. Near Addis Ababa.
196008. *PENNISSETUM* sp. Poaceae.  
 No. 9599. Near Guder.
- 196009 to 196033. *PISUM SATIVUM* L. Fabaceae. **Pea.**  
 196009. No. 9618. From various markets.
- 196010 to 196016. Dessie,  
 196010. No. 9660. 196014. No. 9664.  
 196011. No. 9661. 196015. No. 9665.  
 196012. No. 9662. 196016. No. 9666.  
 196013. No. 9663.
196017. No. 9977. Arussi Province.
- 196018 to 196031. Dessie,  
 196018. No. 9713. 196025. No. 9760.  
 196019. No. 9714. 196026. No. 9761.  
 196020. No. 9755. 196027. No. 9762.  
 196021. No. 9756. 196028. No. 9763.  
 196022. No. 9757. 196029. No. 9764.  
 196023. No. 9758. 196030. No. 9785.  
 196024. No. 9759. 196031. No. 9786.
196032. No. 9845. Batie.  
 196033. No. 9846. Batie.
196034. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**  
 No. 9633. Shop, Addis Ababa.
196035. *PIPER CUBEBA* L. f. Piperaceae.  
 No. 9551. *Kundo-perpere*. Market, Guder. Used as spice in cooking.
196036. *PRUNUS DOMESTICA* L. Amygdalaceae. **Common plum.**  
 No. 9630. Shop, Addis Ababa.
- 196037 to 196039. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**  
 196037. No. 9521. Guder.  
 196038. No. 9523. Guder.  
 196039. No. 9522. Guder.
196040. *RUTA GRAVEOLENS* L. Rutaceae. **Common rue.**  
 No. 9491. Market, Addis Ababa.
196041. *SETARIA* sp. Poaceae.  
 No. 9913. Rift Valley.

195917 to 196131.—Continued

196042. SOLANUM sp. Solanaceae.

No. 9623. Ambo.

196043. SOLANUM sp.

No. 9624. Ambo.

196044 to 196074. SORGHUM VULGARE Pers. Poaceae.

196044 to 196058. Dessie.

196044. No. 9681.

196052. No. 9689.

196045. No. 9682.

196053. No. 9690.

196046. No. 9683.

196054. No. 9691.

196047. No. 9684.

196055. No. 9692.

196048. No. 9685.

196056. No. 9777.

196049. No. 9686.

196057. No. 9778.

196050. No. 9687.

196058. No. 9779.

196051. No. 9688.

196059. No. 9550. Market, Guder.

196060 to 196074. Batie.

196060. No. 9813.

196068. No. 9821.

196061. No. 9814.

196069. No. 9824.

196062. No. 9815.

196070. No. 9823.

196063. No. 9816.

196071. No. 9825.

196064. No. 9817.

196072. No. 9826.

196065. No. 9819.

196073. No. 9827.

196066. No. 9820.

196074. No. 9828.

196067. No. 9822.

196075. SPOROBOLUS PYRAMIDALIS Beauv. Poaceae.

No. 9916. Plateau pasture near Addis Ababa.

196076. STIPA sp. Poaceae.

No. 9880. Thirty kilometers east of Dessie.

196077 to 196098. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

196077. No. 9620. Various markets.

196078 to 196098. Dessie.

196078. No. 9648.

196089. No. 9726.

196079. No. 9649.

196090. No. 9727.

196080. No. 9650.

196091. No. 9728.

196081. No. 9652.

196092. No. 9729.

196082. No. 9653.

196093. No. 9731.

196083. No. 9654.

196094. No. 9732.

196084. No. 9655.

196095. No. 9733.

196085. No. 9656.

196096. No. 9734.

196086. No. 9658.

196097. No. 9735.

196087. No. 9659.

196098. No. 9736.

196088. No. 9725.

## 195917 to 196131.—Continued

- 196099 to 196101. *TRITICUM DICOCCUM* Schrank. **Emmer.**  
 196099. No. 9903. Dessie.  
 196100. No. 9907. Dessie.  
 196101. No. 9908. Dessie.
196102. *TRITICUM* sp.  
 No. 9651. Dessie.
196103. *TRITICUM* sp.  
 No. 9657. Dessie.
- 196104 to 196116. *VICIA FABA* L. Fabaceae. **Broadbean.**  
 196104. No. 9621. Various markets.  
 196105 to 196114. Dessie.  
 196105. No. 9667. 196110. No. 9771.  
 196106. No. 9668. 196111. No. 9772.  
 196107. No. 9669. 196112. No. 9773.  
 196108. No. 9670. 196113. No. 9774.  
 196109. No. 9770. 196114. No. 9781.  
 196115. No. 9849. Batie.  
 196116. No. 9850. Batie.
- 196117 to 196124. *VIGNA SINENSIS* (Torner) Savi. Fabaceae. **Cowpea.**  
 196117. No. 9712. Dessie.  
 196118 to 196124. Batie.  
 196118. No. 9829. 196122. No. 9833.  
 196119. No. 9830. 196123. No. 9834.  
 196120. No. 9831. 196124. No. 9835.  
 196121. No. 9832.
- 196125 to 196131. *ZEA MAYS* L. Poaceae. **Corn.**  
 196125 to 196130. Dessie.  
 196125. No. 9677. 196128. No. 9680.  
 196126. No. 9678. 196129. No. 9775.  
 196127. No. 9679. 196130. No. 9776.  
 196131. No. 9848. Batie.
- 196132 and 196133. *FRAGARIA*. Rosaceae. **Strawberry.**  
 From Canada. Plants presented by the Horticultural Experiment Station,  
 Vineland, Ontario. Received May 3, 1951.  
 196132. No. 41021.  
 196133. No. 41022.
196134. *GOSSYPIUM*. Malvaceae. **Cotton.**  
 From Brazil. Seeds presented by the Instituto Agronómico, Campinas, São  
 Paulo. Received May 4, 1951.
- 196135 and 196136. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**  
 From Norway. Tubers presented by the Agricultural College of Norway,  
 Vollebekk. Received May 7, 1951.

**196135 and 196136.**—Continued196135. *Arran Pilot*.196136. *Aspotat* × *Virus Free*.**196137. SOLANUM XANTHOCARPUM** Schrad. & Wendl. Solanaceae.

From India. Seeds presented by the Agricultural College, Poona, Bombay, through the American Consul, Bombay. Received May 7, 1951.

Collected in the vicinity of the Agricultural College.

**196138. (Undetermined.) Araceae.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 7, 1951.

Collected in April 1951.

No. 1001. Vicinity of Lekenti Airfield, Wollega Province. A member of the Araceae with a flowering stem 3 feet high, mottled dark green and gray, and a white spathe. The fruits are yellow when ripe.

**196139 and 196140.**

From the Union of South Africa. Collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 7, 1951.

196139. *AGAPANTHUS AFRICANUS* (L.) Hoffm. Liliaceae.

No. A-140. Cultivated, Pretoria, Transvaal. Apr. 26, 1951. (Rhizomes.)

196140. *DIOSCOREA RETUSA* Mast. Dioscoreaceae.

No. A-139. Fifteen miles north of Britts, Transvaal. Apr. 24, 1951. (Tubers.)

**196141 to 196146. DIOSCOREA spp.** Dioscoreaceae.

From Mexico. Collected by H. S. Gentry, Charles Gilly, and E. C. Ogden, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 7, 1951.

Collected in April 1951.

196141 to 196144. *DIOSCOREA COMPOSITA* Hemsl.

196141. No. 10413. San Andrés de Tuxtla, Veracruz. (Rhizomes and cuttings.)

196142. No. 51203. Veracruz. (Cuttings.)

196143. No. 51205. Oaxaca. (Rhizomes and cuttings.)

196144. No. 51207. Veracruz. (Cuttings.)

196145. *DIOSCOREA MACROSTACHYA* Benth.

No. 10416. North of San Andrés de Tuxtla, Veracruz. (Rhizomes and cuttings.)

196146. *DIOSCOREA CONVULVULACEA* Cham. & Schl.

No. 10407. South of Tierra Blanca, Veracruz. (Rhizomes and cuttings.)

**196147. SOLANUM TUBEROSUM** L. Solanaceae. **Potato.**

From Denmark. Tubers presented by Dr. S. Norlund Christensen, Landbrugscand, Aulum. Received May 8, 1951.

*Bintje*.

**196148 to 196165. GLYCINE MAX** (L.) Merr. Fabaceae. **Soybean.**

From Japan. Seeds presented by Dr. Koji Miwaki, through W. L. Burlison, Agricultural Experiment Station, Urbana, Ill. Received May 8, 1951.

## 196148 to 196165.—Continued

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|----------------------------------|---------------------------------|
| 196148. <i>Akasaya-1.</i>        | 196157. <i>Mituisidaizu.</i>    |
| 196149. <i>Banseihikarikuro.</i> | 196158. <i>Nagabahadaka-1.</i>  |
| 196150. <i>Chuseihadaka.</i>     | 196159. <i>Okuhara-1.</i>       |
| 196151. <i>Chuseihikarikuro.</i> | 196160. <i>Ooyachi-2.</i>       |
| 196152. <i>Gindaizu.</i>         | 196161. <i>Rankosi-1.</i>       |
| 196153. <i>Isikarisiro-1.</i>    | 196162. <i>Siroturnoko.</i>     |
| 196154. <i>Kitaminagaha.</i>     | 196163. <i>Tokatinagaha.</i>    |
| 196155. <i>Kurosaya.</i>         | 196164. <i>Wasekurosengoku.</i> |
| 196156. <i>Marukotubu.</i>       | 196165. <i>Waseturunoko.</i>    |

## 196166 to 196177.

From Korea. Seeds presented by Raymond J. Todd, Delphi, Ind., through Dr. A. H. C. Probst, Agricultural Experiment Station, Lafayette, Ind. Received May 8, 1951.

The numbers given are Indiana accession numbers.

- 196166 to 196172. GLYCINE MAX (L.) Merrill. Fabaceae. Soybean.
- |  |  |
|--|--|
| 196166. No. 2296.                      | 196170. No. 2297-2. <i>Bang Kohng.</i> |
| 196167. No. 2299-1. <i>Baik Tac.</i>   | 196171. No. 2298. <i>Cheng Du.</i>     |
| 196168. No. 2299-2. <i>Baik Tac.</i>   | 196172. No. 2301. <i>Huk Tae.</i>      |
| 196169. No. 2297-1. <i>Bang Kohng.</i> |  |

196173 and 196174. PHASEOLUS ANGULARIS (Willd.) W. F. Wight. Fabaceae. Adzuki bean.

- |                                     |
|-------------------------------------|
| 196173. No. 2302-1. <i>Jeuk Du.</i> |
| 196174. No. 2302-2. <i>Jeuk Du.</i> |

196175 to 196177. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

- |                                    |
|------------------------------------|
| 196175. No. 2300-1. <i>Yu Tae.</i> |
| 196176. No. 2300-2. <i>Yu Tae.</i> |
| 196177. No. 2300-3. <i>Yu Tae.</i> |

## 196178 to 196181.

From Rhodesia. Seeds collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 8, 1951.

196178. HIBISCUS sp. Malvaceae.

No. A-107. About 11 miles north of Lusaka, Northern Rhodesia. Apr. 1, 1951.

196179. HIBISCUS sp.

No. A-129. About 66 miles south of Victoria Falls at Wankie, Southern Rhodesia. Apr. 15, 1951.

196180. HIBISCUS sp.

Between Monze and Choma, Northern Rhodesia. Apr. 12, 1951.

196181. OSBECKIA sp. Melastomaceae.

Ten miles south of Abercorn, Northern Rhodesia. April 1951.

## 196182 to 196185.

From Nicaragua. Tubers collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 8, 1951.

**196182 to 196185.—Continued**

196182. *DIOSCOREA* sp. Dioscoreaceae.

No. 2962. *Name Blanca*. Near San Antonio, Rivas, Rivas. Mar. 31, 1951.

196183. *SMILAX* sp. Smilacaceae.

No. 2937. *Cuculmeca Redonda*. Near Matagalpa, Matagalpa. Apr. 29, 1951.

196184. (Undetermined.)

No. 2957. *Yampi*. Santa Cecilia. May 2, 1951.

196185. (Undetermined.)

No. 2936. *Quequisque*. Matagalpa, Matagalpa. Apr. 29, 1951.

**196186 to 196196.**

From the Union of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newlands, Cape Province. Received May 9, 1951.

196186 and 196187. *AGAPANTHUS ORIENTALIS* Leighton. Liliaceae.

196186. Flowers white.

196187. Flowers blue.

196188. *AGAPANTHUS* sp.

Flowers dark blue.

196189. *BULBINELLA ROBUSTA* Kunth. Liliaceae.

196190. *DIPIDAX TRIQUETRA* Baker. Melanthiaceae.

196191. *EUCOMIS UNDULATA* Ait. Liliaceae.

196192. *GALTONIA CANDICANS* Decaisne. Liliaceae.

196193. *TRITOMA UVARIA* (L.) Ker. Liliaceae.

196194. *ORNITHOGALUM SAUNDERSIAE* Baker. Liliaceae.

196195. *ORNITHOGALUM THYRSOIDES* Jacq.

196196. *STROPHANTHUS SPECIOSUS* (Ward & Harv.) Reber. Apocynaceae.

**196197 to 196205.**

From Venezuela. Seeds presented by Juan F. Stolk, Departamento de Agricultura, Caracas. Received May 9, 1951.

196197. *ANDROPOGON ISCHAEMUM* L. Poaceae.

196198. *ARISTIDA ADCENCIONIS* L. Poaceae.

196199. *CHLORIS INFLATA* Link. Poaceae.

196200. *CHLORIS MOLLIS* (Nees) Swallen.

196201. *HYPARRHENIA RUFA* (Nees) Stapf. Poaceae.

196202. *MELINIS MINUTIFLORA* Beauv. Poaceae.

Molasses grass.

196203. *PASPALUM FIMBRIATUM* H.B.K. Poaceae.

196204. *SETARIA RARIFLORA* Mikan. Poaceae.

196205. *TRICHOAENA REPENS* (Willd.) Hitchc. Poaceae. Natal grass.

**196206 to 196257.**

From India. Seeds presented by Dr. S. P. Kohli, Simla, Punjab, through L. S. Negi, University Farm, St. Paul, Minn. Received May 9, 1951.

196206. *AESCHYNOMENE INDICA* L. Fabaceae.

*Matake*.

196207. *ANDROPOGON MICRANTHUS* Kunth. Poaceae.

## 196206 to 196257.—Continued

196208. ARUNDINELLA NEPALENSIS Trin. Poaceae.  
 196209. ANDROPOGON PERTUSUS (L.) Willd. Poaceae.  
 196210. CHRYSOPOGON MONTANUS Trin. Poaceae.  
*Doholu.*  
 196211. COIX LACRYMA-JOBI L. Poaceae. **Jobs-tears.**  
 196212. CYMBOPOGON MARTINII (Roxb.) W. Wats. Poaceae.  
*Makora.*  
 196213. DIGITARIA ISCHAEMUM (Schreb.) Mühl. Poaceae.  
*Chotti Kawalian.*  
 196214. ECHINOCHLOA COLONUM (L.) Link. Poaceae.  
*Jhanda.*  
 196215. FESTUCA sp. Poaceae.  
*Ban Lawaina.*  
 196216 and 196217. MEDICAGO HISPIDA Gaertn. Fabaceae. **Burclover.**  
 196216. No. 8.  
 196217. *EC707.*  
 196218 to 196247. MEDICAGO SATIVA L. **Alfalfa.**  
 196218. No. 13. 196233. No. 48.  
 196219. No. 16. 196234. No. 50.  
 196220. No. 19. 196235. No. 53.  
 196221. No. 21. 196236. No. 54.  
 196222. No. 22. 196237. No. 55.  
 196223. No. 25. 196238. No. 57.  
 196224. No. 28. 196239. No. 58.  
 196225. No. 31. 196240. No. 59.  
 196226. No. 33. 196241. No. 60.  
 196227. No. 35. 196242. No. 61.  
 196228. No. 37. 196243. No. 63.  
 196229. No. 40. 196244. No. 65.  
 196230. No. 41. 196245. No. 67.  
 196231. No. 42. 196246. No. 69.  
 196232. No. 45. 196247. No. 70.  
 196248. MEDICAGO SATIVA var. GLUTINOSA (Bieb.) Urban.  
*EC772.*  
 196249. MEDICAGO SATIVA var. VARIA (Mart.) Urban.  
*EC723.*  
 196250. PASPALUM sp. Poaceae.  
 196251. PENNISETUM ORIENTALE L. Poaceae.  
*Ranjha, Ban Jhan.*  
 196252. SETARIA GLAUCA (L.) Beauv. Poaceae.  
 196253. SETARIA PALMIFOLIA (Willd.) Stapf.  
*Handa.*  
 196254. SORGHUM HALEPENSE (L.) Pers. Poaceae.  
*Baru.*

**196206 to 196257.—Continued****196255.** *SORGHUM* sp.**196256.** *THEMEDA ANATHERA* (Nees) Hack. Poaceae.*Lungi.***196257.** *VETIVERIA ZIZANIOIDES* (L.) Nash. Poaceae.**196258 to 196271.**

From Ethiopia. Collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 10, 1951.

Collected in April 1951.

**196258.** *AMARYLLIS* sp. Amaryllidaceae.

No. 9984. Addis Ababa. Perianth segments dark red with central white stripe. (Bulbs.)

**196259.** *ASPARAGUS OFFICINALIS* L. Convallariaceae.

No. 10040. Hollata. (Rootstocks.)

**196260.** *DELPHINIUM* sp. Ranunculaceae.

No. 10111. Near Selulita, south of Addis Ababa. Flowers dusty blue. (Rhizome.)

**196261.** *IMPATIENS TINCTORIA* A. Rich. Balsaminaceae.

No. 10104. Selale region, 45 km. south of Addis Ababa. (Roots.)

**196262.** *ZINGIBER OFFICINALE* Roscoe. Zingiberaceae.**Ginger.**

No. 10037. Market, Lekemti, Wollega Province. (Roots.)

**196263.** (Undetermined.)

No. 10001. Near Lekemti Airfield. (Tubers.)

**196264.** *HAEMANTHUS MULTIFLORUS* Martyn. Amaryllidaceae.

No. 10007. Near Gedo, Wollega Province. Flowers carmine, striking. (Bulbs.)

**196265.** *CRINUM GIGANTEUM* Andr. Amaryllidaceae.

No. 10101. Selale region, 45 km. south of Addis Ababa. (Bulbs.)

**196266.** (Undetermined.)

No. 10102. Selale region, south of Addis Ababa. Leaves red-spotted at base. (Bulbs.)

**196267.** (Undetermined.)

No. 10103. Selale region. (Bulbs.)

**196268.** *URGINEA* sp. Liliaceae.

No. 10005. Between Lekemti and Baco. Flower spike up to 3 feet high. (Bulbs.)

**196269.** *CRINUM LONGIFOLIUM* (L.) Thunb. Amaryllidaceae.

No. 10008. Between Gedo and Ambo. Flowers white, purple stained at base, with heavy, sweet odor. (Bulbs.)

**196270.** (Undetermined.)

No. 10109. Near Selulita, south of Addis Ababa. (Bulbs.)

**196271.** (Undetermined.)

No. 10112. Near Selulita, south of Addis Ababa. (Bulbs.)

**196272.** *MENTHA PULEGIUM* L. Menthaceae.

From Tunisia. Seeds presented by the Service Botanique, Ariana. Received May 10, 1951.

**196273. GOSSYPIUM. Malvaceae. Cotton.**

From the Anglo-Egyptian Sudan. Seeds presented by the Ministry of Agriculture, Cotton Breeding Section, Khartoum North. Received May 10, 1951.

No. T-7.

**196274 to 196277.**

From Chile. Seeds presented by Juan Theune Laws, Villarrica. Received May 10, 1951.

196274. *ARACHINTIS UNIFLORA* Phil. Burmanniaceae.

196275. *AZARA* sp. Flacourtiaceae.

Received as *Azara leucantha*, apparently an unpublished species.

196276. *CORIARIA RUSCIFOLIA* L. Coriariaceae.

196277. *WEINMANNIA TRICHOSPERMA* Cav. Cunoniaceae.

**196278 to 196287. SACCHARUM. Poaceae. Sugarcane.**

From the British West Indies. Cuttings presented by the Sugarcane Breeding Station, Barbados. Received May 11, 1951.

196278. *B-49281.*

196283. *B-37261.*

196279. *B-45211.*

196284. *B-4524.*

196280. *B-45116.*

196285. *B-45285.*

196281. *B-30L7.*

196286. *B-46136.*

196282. *B-40270.*

196287. *B-4454.*

**196288 to 196293.**

From India. Seeds presented by Pandit Ramdatt Chilkoti, Almora, United Provinces. Received May 14, 1951.

196288. *AMARANTHUS PANICULATUS* L. Amaranthaceae.

196289. *CUCUMIS MELO* L. Cucurbitaceae.

**Muskmelon.**

196290. *DOLICHOS BIFLORUS* L. Fabaceae.

196291 and 196292. *PANICUM MILIACEUM* L. Poaceae.

**Proso.**

196291. No. 1.

196292. No. 2.

196293. *SETARIA ITALICA* (L.) Beauv. Poaceae.

**Foxtail millet.**

**196294 to 196304.**

From Nicaragua. Seeds collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 14, 1951.

Collected in April 1951.

196294. *CAPSICUM FRUTESCENS* L. Solanaceae.

**Redpepper.**

No. 2929. 30 miles from Bluefields, along Rio Escondido. Fruit yellow or orange.

196295. *CENTROSEMA PUBESCENS* Benth. Fabaceae.

No. 2921. 30 miles from Bluefields, along Rio Escondido.

196296. *TRIPSACUM LAXUM* Nash. Poaceae.

No. 2926. El Recreo Experiment Station, El Recreo.

196297. *LYCOPERSICON ESCULENTUM* var. *CERASIFORME* (Dun.) A. Gray. Solanaceae.

**Tomato.**

No. 2927. El Recreo. Apparently immune from wilt and nematodes.

**196294 to 196304.—Continued**

**196298.** *LYCOPERSICON ESCULENTUM* Mill. **Tomato.**

No. 2928. 30 miles from Bluefields, along Rio Escondido. A small red tomato, apparently immune from wilts and rots.

**196299.** *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

No. 2922. El Recreo Experiment Station, El Recreo.

**196300.** *SOLANUM CILIATUM* Lam. Solanaceae.

No. 2930. Bluefields.

**196301.** *VIGNA SESQUIPEDALIS* (L.) Fruwirth. Fabaceae. **Asparagus-bean.**

No. 2925. El Recreo Experiment Station, El Recreo.

**196302.** *VIGNA VEXILLATA* (L.) Rich.

No. 2924. El Recreo Experiment Station, El Recreo.

**196303 and 196304.** *ZEA MAYS* L. Poaceae. **Corn.**

**196303.** No. 2923. El Recreo Experiment Station, El Recreo.

**196304.** No. 2931. Market, Bluefields.

**196305.** *SACCHARUM*. Poaceae. **Sugarcane.**

From India. Cuttings presented by Dr. Walter Koelz, American Consul, Haflong, Assam. Received May 15, 1951.

No. 11766.

**196306.** *MANGIFERA INDICA* L. Anacardiaceae. **Mango.**

From Thailand. Seeds obtained through the American Embassy, Bangkok. Received May 15, 1951.

Collected from six different orchards.

**196307.** *TRIFOLIUM CERNUUM* Brot. Fabaceae.

From Australia. Seeds presented by F. H. Brunning Pty., Ltd., Melbourne, Victoria. Received May 15, 1951.

**196308 to 196311.**

From Mexico. Seeds collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 15, 1951.

From Comondú, Baja California. Apr. 2, 1951.

**196308.** *CITRUS RETICULATA* Blanco. Rutaceae. **Mandarin orange.**

No. 10312.

**196309.** *CUCURBITA PEPO* var. *OVIFERA* (L.) Alef. Cucurbitaceae.

**196310 and 196311.** *GOSSYPIUM*. Malvaceae. **Cotton.**

**196310.** No. 10311.

**196311.** No. 10318.

**196312 to 196317.** *STROPHANTHUS INTERMEDIUS* Pax. Apocynaceae.

From Angola. Seeds presented by Mrs. L. A. T. Berman, Luanda. Received May 15, 1951.

**196312.** No. 1.

**196315.** No. 4.

**196313.** No. 2.

**196316.** No. 5.

**196314.** No. 3.

**196317.** No. 6.

**196318 to 196331.**

From Germany. Seeds presented by the Botanic Garden, München-Nymphenburg. Received May 15, 1951.

196318. AGROSTIS ALPINA Scop. Poaceae.  
 196319. AGROSTIS NEBULOSA Boiss. & Reut.  
 196320. AGROSTIS RUPESTRIS All.  
 196321. BROMUS PUMPELLIANUS Scribn. Poaceae.  
 196322. BROMUS VERNALIS Panc.  
 196323. FESTUCA AMETHYSTINA L. Poaceae.  
 196324. FESTUCA VIOLACEA Gaudin.  
 196325. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.  
 196326. HORDEUM BULBOSUM L. Poaceae.  
 196327. MENTHA GATTEFOSSEI Maire. Menthaceae.  
 196328. MENTHA ROTUNDIFOLIA Huds.  
 196329. LEERSIA ORYZOIDES (L.) Swartz. Poaceae.  
 196330. POA CHAIXII Vill. Poaceae.  
 196331. POA VIOLACEA Bell.

**196332 to 196334.**

From France. Seeds presented by the Museum d'Histoire Naturelle, Paris. Received May 16, 1951.

196332. LOTUS WEILLERI Maire. Fabaceae.  
 196333. LUPINUS POLYPHYLLUS Lindl. Fabaceae. Washington lupine.  
 196334. VICIA PYRENAICA Pourr. Fabaceae.

**196335 to 196338.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received May 16, 1951.

196335. ASTREBLA LAPPACEA (Lindl.) Domin. Poaceae.  
*Curly Mitchell Grass.*  
 196336. LOLIUM RIGIDUM Gaud. Poaceae.  
*Wimmera Ryegrass.*  
 196337. PANICUM ANTIDOTALE Retz. Poaceae.  
*Giant Panic.*  
 196338. PHALARIS TUBEROSA L. Poaceae.

**196339 to 196376.**

From the Union of South Africa. Seeds presented by L. C. C. Liebenberg, Director of Agricultural Education, Pretoria, Transvaal. Received May 16, 1951.

196339. DICHANTHIUM ARISTATUM (Poir.) C. E. Hubb. Poaceae.  
 Vicinity of Pretoria.  
 196340 to 196352. Rietondale Grass Station, Pretoria. Originally from Cape Province except P. I. No. 196350. March 1951.  
 196340. DIGITARIA sp. Poaceae.  
 Plots A-754, A-755. Oabi, Bechuanaland.  
 196341. DIGITARIA sp.  
 Plot A-345. Strain 9. Kwaai, Bechuanaland.

## 196339 to 196376.—Continued

## 196340 to 196352.—Continued

196342. *DIGITARIA* sp.

Plot A-348. Strain 4. Kwaai.

196343. *DIGITARIA* sp.

Plot A-359. Strain 17. Kwaai.

196344. *DIGITARIA* sp.

Plot A-342. Strain 6. Kwaai.

196345. *DIGITARIA* sp.

Plot A-340. Strain 15. Kwaai.

196346. *DIGITARIA* sp.

Plots A-767, 768. Zanghun Pan, Bechuanaland.

196347. *DIGITARIA* sp.

Plot A-332. Strain 3. Gomoti River, Bechuanaland.

196348. *DIGITARIA* sp.

Plot A-117. Oudtshoorn.

196349. *DIGITARIA* sp.

Plot A-41. Inkruip, Kalahari.

196350. *DIGITARIA* sp.

Plot A-74. "Rietondale." Pretoria.

196351. *DIGITARIA* sp.

Plot A-120. Sel. No. 2. Olifantshoek.

196352. *DIGITARIA* sp.

Plot A-39. Kuruman.

196353. *DOLICHOS LABLAB* L. Fabaceae.

Hyacinth-bean.

Rietvlei Research Station, Windhoek, South-West Africa.

196354. *EHRHARTA CALYCINA* J. E. Smith. Poaceae. Perennial veldtgrass.

Victoria West, Cape Province.

196355 to 196357. *ERAGROSTIS CURVULA* (Schrad.) Nees. Poaceae.

196355. Ermelo type. Rietvlei Research Station, Windhoek, South-West Africa.

196356. *Grootjontein Strain*. Middelburg, Cape Province.

196357. Middelburg type. Middelburg.

196358. *ERAGROSTIS SUPERBA* Peyr.

Towoomba Research Station, Waterberg District, Transvaal.

196359. *FINGERHUTHIA SESLERIAEFORMIS* Nees. Poaceae.

Plot A-526. Rietondale Grass Station. Originally from Vryberg, Cape Province.

196360 to 196366. *PANICUM COLORATUM* L. Poaceae.

Rietondale Grass Station, Pretoria. Originally from places given.

196360. Eersteling type. Pietersburg, Transvaal.

196361. Plot A-609. Maun, Bechuanaland.

196362. Plot A-608. Gomoti River, Bechuanaland.

196363. Plot A-636. Bandolierskop, Transvaal.

196364. Plot A-614. Cradock, Cape Province.

**196339 to 196376.—Continued****196360 to 196366.—Continued**

196365. Plot A-679. Dongola Reserve.

196366. Plot A-664. Irene, near Pretoria.

**196367. PANICUM STAFFIANUM Fourc.**

Plot A-684. Dongala Reserve.

**196368. PANICUM sp.**

Potchefstroom, Transvaal.

**196369 to 196371. SETARIA SPHACELATA (Schumach.) Stapf & Hubb. Poaceae.**

Rietondale Grass Station, Pretoria. Originally from places given.

196369. Plot A-434. Matambora, Bechuanaland.

196370. Plot A-419. North of Louis Trichardt, Transvaal.

196371. Plot A-432. Lumbwa, Bechuanaland.

**196372 to 196375. SPOROBOLUS FIMBRIATUS Nees. Poaceae.**

196372. Plot A-541. Rietondale Grass Station, Pretoria. Originally from Vereeniging, Transvaal.

196373. Plot A-544. Rietondale Grass Station, Pretoria. Originally from Rakops, Bechuanaland.

196374. Radium, Waterberg District, Transvaal.

196375. Plot A-543. Rietondale Grass Station, Pretoria. Originally from Rustenburg, Transvaal.

**196376. THEMEDA sp. Poaceae.**

Devon, Transvaal.

**196377 to 196383.**

From Mexico. Roots and cuttings collected by H. S. Gentry, E. C. Ogden, and Charles Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 17, 1951.

**196377. DIOSCOREA sp. Dioscoreaceae.**

No. 51208. Four miles from Martínez de la Torre, Veracruz.

**196378. DIOSCOREA sp.**

No. 51210. Puebla.

**196379. DIOSCOREA COMPOSITA Hemsl.**

No. 51204. Veracruz.

**196380. STIGMAPHYLLON HUMBOLDTIANUM (DC.) Juss. Malpighiaceae.**

No. 51206. Oaxaca.

**196381. DIOSCOREA COMPOSITA Hemsl. Dioscoreaceae.**

No. 10414. San Andrés de Tuxtla, Veracruz.

**196382. DIOSCOREA MACROSTACHYA Benth.**

No. 10417. San Andrés de Tuxtla, Veracruz.

**196383. DIOSCOREA CONVOLVULACEA Cham. & Schl.**

No. 10408. South of Tierra Blanca, Veracruz.

**196384 to 196411. ZEA MAYS L. Poaceae.****Corn.**

From the Netherlands. Seeds presented by the Institute of Plant Breeding, and the Central Institute for Agricultural Research, Wageningen. Received May 17, 1951.

## 196384 to 196411.—Continued

196384 to 196392. From the Institute of Plant Breeding. Flint inbred lines.

- |                       |                          |
|-----------------------|--------------------------|
| 196384. <i>IVL-1.</i> | 196389. <i>IVL-8.</i>    |
| 196385. <i>IVL-2.</i> | 196390. <i>IVL-18-1.</i> |
| 196386. <i>IVL-4.</i> | 196391. <i>IVL-18-2.</i> |
| 196387. <i>IVL-6.</i> | 196392. <i>IVL-19.</i>   |
| 196388. <i>IVL-7.</i> |                          |

196393 to 196411. From the Central Institute for Agricultural Research.

196393. *16 Alscuties* × *Seckler al.*  
 196394. *17 Alscuties* × *Seckler alb.*  
 196395. *17 Chiengauer Iaa 2a.*  
 196396. *17 Chiengauer Iaa 2b.*  
 196397. *CIV-1.*  
 196398. *CIV-5.*  
 196399. *16 Northwestern Dent 4a 1a.*  
 196400. *17 Pfarrkirchner.*  
 196401. *13 Vroege gele ronde 45-12-48-2a.*  
 196402. *13 Vroege gele ronde 45-12-48-2b.*  
 196403. *14 Vroege gele ronde W49-X.*  
 196404. *16 Vroege gele ronde MI694-4-42-51b1a.*  
 196405. *16 Vroege gele ronde MI694-4-42-51b2.*  
 196406. *17 Vroege gele ronde 1b1.*  
 196407. *17 Vroege gele ronde 43-14-3-b.*  
 196408. *17 Vroege gele ronde 43-15-4-a1.*  
 196409. *17 Vroege gele ronde 43-9-2a2.*  
 196410. *17 Vroege gele ronde E43-I-I-b.*  
 196411. *17 Vroege gele ronde 46-71-26a.*

## 196412 to 196414.

From Guatemala. Seeds collected by Robert C. Moncure, Office of Foreign Agricultural Relations, United States Department of Agriculture. Received May 17, 1951.

- 196412 and 196413. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**  
 196412. San Mateo Ixtatán. *Chamborote.*  
 196413. San Juan Ixcoy. Seed large, black.  
 196414. *ZEA MAYS* L. Poaceae. **Corn.**  
 San Pedro Soloma. Seed yellow.

## 196415 to 196426.

From Denmark. Seeds presented by Trifolium Frø, Copenhagen. Received May 18, 1951.

- 196415 and 196416. *BRASSICA NAPUS* L. Brassicaceae. **Rape.**  
 196415. No. 01593.  
 196416. No. 01496.  
 196417. *BRASSICA NAPUS* var. *NAPOBRASSICA* (L.) Reichb. **Rutabaga.**  
 No. 01472.

## 196415 to 196426.—Continued

196418. *BRASSICA* sp.  
No. 01558.
196419. *DACTYLIS GLOMERATA* L. Poaceae. Orchard grass.  
No. 6752.
196420. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.  
No. 6815.
196421. *FESTUCA RUBRA* L. Red fescue.  
No. 71210.
- 196422 and 196423. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.  
196422. No. 01645.  
196423. No. 01636.
- 196424 to 196426. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.  
196424. No. 9500.  
196425. No. 167.  
196426. No. 5695.
196427. *ZEA MAYS* L. Poaceae. Corn.  
From Massachusetts. Seeds presented by W. H. Lachman, University of Massachusetts, Amherst. Received May 18, 1951.
196428. *ANDROPOGON ANNULATUS* Forsk. Poaceae.  
From India. Seeds presented by the Vivekenanda Laboratory, Almora, United Provinces. Received May 21, 1951.
- 196429 to 196433. *STROPHANTHUS* spp. Apocynaceae.  
From Africa. Seeds presented by S. B. Penick and Company, New York, N. Y. Received May 21, 1951.
196429. *STROPHANTHUS AMBOENSIS* (Schinz) Engl. & Pax.  
Angola.
196430. *STROPHANTHUS COURMONTII* Sacleux.  
Nyasaland.
196431. *STROPHANTHUS GRANDIFLORUS* (N.E. Brown) Gilg.  
Nyasaland.
196432. *STROPHANTHUS PETERSIANUS* Klotzsch.  
Nyasaland.
196433. *STROPHANTHUS SCHUCHARDTII* Pax.  
Angola.
- 196434 and 196435. *DIOSCOREA* spp. Dioscoreaceae.  
From Mexico. Collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 21, 1951.
196434. *DIOSCOREA* sp.  
No. 10443. Ten miles south of Uruapan, Michoacán. (Crowns.)
196435. *DIOSCOREA* sp.  
No. 10453. Cañon de Marques, Michoacán. (Cuttings.)
196436. *SASA VEITCHII* (Carr.) Rehd. Poaceae. Bamboo.  
From Japan. Roots presented by the Yokohama Nursery Company, Yokohama. Received May 22, 1951.

**196437 to 196439. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From Australia. Tubers presented by the Department of Agriculture, Sydney, New South Wales. Received May 22, 1951.

196437. *Factor*.

196438. *Monak*.

196439. *Moona*.

**196440 to 196450.**

From Honduras. Tubers collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 22, 1951.

196440. DIOSCOREA sp. Dioscoreaceae.

No. 3021. *Cuculmecca*. Olanchito, Yoro. May 10, 1951.

196441. DIOSCOREA sp.

No. 3026. *Ñame Blanca*. Tela. May 11, 1951.

196442. DIOSCOREA sp.

No. 3025. Tela. May 11, 1951.

196443. DIOSCOREA sp.

No. 3016. *Ñame Espina*. La Ceiba. May 8, 1951.

196444. DIOSCOREA CONVULVULACEA Cham. & Schl.

No. 3014. Lancetilla Experiment Station. May 8, 1951.

196445. DIOSCOREA sp.

No. 3010. *Yampa Morada*. Tela. May 7, 1951.

196446. DIOSCOREA sp.

No. 3023. *Ñame Amarillo*. Tela. May 11, 1951.

196447. DIOSCOREA sp.

No. 3011. *Ñame Blanco*. Tela. May 7, 1951.

196448. DIOSCOREA sp.

No. 3015. *Ñame Espina*. La Ceiba. May 8, 1951.

196449. DIOSCOREA sp.

No. 3024. *Ñame Barberis*. Tela. May 10, 1951.

196450. (Undetermined.)

No. 3022. *Ñame Puerco*. Olanchito, Yoro. May 10, 1951.

**196451 to 196475.**

From Nicaragua. Seeds collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 22, 1951.

Collected in 1951.

196451. CENTROSEMA sp. Fabaceae.

No. 2951.

196452. CENTROSEMA sp.

No. 2952.

196453. CENTROSEMA sp.

No. 2955.

196454. DIOSCOREA sp. Dioscoreaceae.

No. 2961. Rivas, Rivas. May 2, 1951.

## 196451 to 196475.—Continued

196455. *DIOSCOREA* sp.  
No. 2962. San Antonio, near Rivas, Rivas. May 2, 1951.
196456. *DIOSCOREA* sp.  
No. 2964. San Antonio, near Rivas, Rivas. May 2, 1951.
196457. *ERYTHRINA* sp. Fabaceae.  
No. 2950. Near Matagalpa, Matagalpa. Apr. 29.
196458. *GOSSYPIUM*. Malvaceae. Cotton.  
No. 2958. Near Rivas, Rivas. May 2. Plant about 5 feet high, with heavy branches that are deciduous in the dry season.
- 196459 and 196460. *PHASEOLUS LUNATUS* L. Fabaceae. Lima bean.  
Near Matagalpa, Matagalpa. Apr. 29. Indigenous type.
196459. No. 2953.  
196460. No. 2954.
196461. *PHASEOLUS SPECIOSUS* H.B.K.  
No. 2956. Near Matagalpa, Matagalpa. Apr. 29. Vine nearly 25 feet long.
- 196462 to 196469. *PHASEOLUS VULGARIS* L. Common bean.  
From Matagalpa, Matagalpa. Apr. 29.
- |                   |                   |
|-------------------|-------------------|
| 196462. No. 2938. | 196466. No. 2942. |
| 196463. No. 2939. | 196467. No. 2943. |
| 196464. No. 2940. | 196468. No. 2944. |
| 196465. No. 2941. | 196469. No. 2945. |
196470. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.  
No. 2959. Near Rivas, Rivas. May 2.
196471. *SORGHUM VULGARE* Pers. Poaceae.  
No. 2946. Matagalpa, Matagalpa. Apr. 29.
196472. *VIGNA VEXILLATA* (L.) Rich. Fabaceae.  
No. 2932. El Recreo Experiment Station. Apr. 22.
- 196473 to 196475. *ZEA MAYS* L. Poaceae. Corn.  
From Matagalpa, Matagalpa. Apr. 29.
- |                   |
|-------------------|
| 196473. No. 2947. |
| 196474. No. 2948. |
| 196475. No. 2949. |
196476. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.  
From Denmark. Seeds presented by *Trifolium Frø*, Copenhagen. Received May 22, 1951.  
No. 936. A semilate variety.
- 196477 to 196484.  
From Brazil. Seeds presented by M. L. Owen, Aquidauana, Mato Grosso. Received May 22, 1951.
196477. *CUCUMIS ANGURIA* L. Cucurbitaceae.  
No. 8. A wild cucumber, eaten cooked with ground meat.
196478. *DIGITARIA FUSCESCENS* (Presl) Henr. Poaceae.  
No. 14. A wild grass that thrives on poor soil; eaten by animals.
196479. *ELEUSINE* sp. Poaceae.  
No. 15. A fast-growing, cultivated grass, good for livestock.

196477 to 196484.—Continued

196480. LUFFA AEGYPTIACA Mill. Cucurbitaceae. Suakwa towelgourd.  
No. 6.

196481. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.  
No. 11. A very good variety.

196482. PASPALUM VIRGATUM L. Poaceae.  
No. 16. Upright habit.

196483. PASPALUM sp.  
No. 18. Drought-resistant.

196484. (Undetermined.)  
No. 12. *Huyveiro*. An Andean plant with grapelike fruits.

196485 to 196530. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Sweden. Seeds presented by Algot Holmberg & Soner, Norrköping.  
Received May 23, 1951.

196485. 201-8-31-6.	196508. 738-7.
196486. 201-14-10-1.	196509. 740-1.
196487. 201-14-10-4.	196510. 744-1.
196488. 201-14-11-4.	196511. 744-2.
196489. 201-14-11-6.	196512. 744-3.
196490. 201-14-15-5.	196513. 748-5.
196491. 201-14-18-1-1.	196514. 748-7.
196492. 201-14-18-1-8.	196515. 748-8.
196493. 201-14-18-1-13.	196516. 748-12.
196494. 201-14-18-1-19.	196517. 749-1.
196495. 201-14-18-1-23.	196518. 749-2.
196496. 201-14-18-1-25.	196519. 749-3.
196497. 201-14-18-11.	196520. 751-2.
196498. 201-14-18-14.	196521. 751-3.
196499. 201-14-18-18.	196522. 751-6.
196500. 201-14-18-20.	196523. 753-1.
196501. 634-13-42-2.	196524. 754-4.
196502. 634-20-4-29.	196525. 756-2.
196503. 699-2-4.	196526. 766-2.
196504. 706-4-1.	196527. 769-3.
196505. 733-4.	196528. 770-2.
196506. 737-1.	196529. 770-3.
196507. 738-6.	196530. 770-5.

196531 and 196532. CITRULLUS VULGARIS Schrad. Cucurbitaceae.  
Watermelon.

From Japan. Seeds presented by Maj. Andrew Blase, Fort Collins, Colo.  
Received May 23, 1951.

*Asahi Yamato* 4x × *Asahi Yamato* 2x. Said to be seedless. Purchased by Major Blase in Japan from a reputable Japanese seed company.

196531. No. 1.  
196532. No. 2.

**196533. DIOSCOREA sp. Dioscoreaceae.**

From Mexico. Plants collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 23, 1951.

No. 10467. Tierra Blanca, Veracruz.

**196534. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From Peru. Tubers obtained through the Institute of Inter-American Affairs, Lima. Received May 23, 1951.

**196535 and 196536. RHODODENDRON spp. Ericaceae.**

From the Southern United States. Plants growing at the United States Plant Introduction Garden, Glenn Dale, Md. Numbered in May 1951.

Originally collected by C. O. Erlanson in 1936.

**196535. RHODODENDRON ALABAMENSE Rehd.**

No. 716. Bessemer, Ala. Flowers 30 to 40 in a cluster, very fragrant.

**196536. RHODODENDRON ATLANTICUM (Ashe) Rehd.**

No. 753. North Carolina. Taller than the typical form.

**196537 to 196542.**

From Italy. Seeds presented by the Stazione Sperimentale di Praticoltura, Lodi. Received May 24, 1951.

**196537. DACTYLIS GLOMERATA L. Poaceae. Orchard grass.**

**196538. LOLIUM MULTIFLORUM Lam. Poaceae. Italian ryegrass.**

**196539. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.**

**196540. MEDICAGO SATIVA L. Fabaceae. Alfalfa.**

**196541. PHLEUM PRATENSE L. Poaceae. Timothy.**

**196542. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.**

**196543 to 196574. ZEA MAYS L. Poaceae. Corn.**

From Israel. Seeds presented by A. Shlomi, Government Agricultural Experiment Station, Neveh-Yaar, Haifa. Received May 24, 1951.

**196543. *Cherkes Corn O. P.* 196559. No. 321.**

**196544. No. 3. 196560. No. 330.**

**196545. No. 90. 196561. No. 338.**

**196546. No. 97. 196562. No. 344.**

**196547. No. 133. 196563. No. 364.**

**196548. No. 145. 196564. No. 375.**

**196549. No. 157. 196565. No. 436.**

**196550. No. 159. 196566. No. 459.**

**196551. No. 162. 196567. No. 464.**

**196552. No. 166. 196568. No. 485.**

**196553. No. 188. 196569. No. 592.**

**196554. No. 199. 196570. No. 700.**

**196555. No. 275. 196571. No. 780.**

**196556. No. 288. 196572. No. 956.**

**196557. No. 290. 196573. No. 977.**

**196558. No. 318. 196574. No. 992.**

**196575 to 196577.**

From Argentina. Seeds obtained from Prof. A. Piovano, Mendoza, through Mrs. J. E. Winfield, Painted Post, N. Y. Received May 24, 1951.

**196575 and 196576.** CAPSICUM FRUTESCENS L. Solanaceae. **Redpepper.**

**196575.** *Nora Sweet.*

**196576.** *Pe Pe.*

**196577.** CUCURBITA MAXIMA Duchesne. Cucurbitaceae. **Squash.**  
*Chilean Giant.*

**196578 to 196580.**

From Central America. Bulbs collected by Oliver M. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 25, 1951.

**196578.** HYPOXIS DECUMBENS L. Amaryllidaceae.

No. 3040. Cobán, Alta Verapaz, Guatemala. May 19, 1951.

**196579.** DIOSCOREA sp. Dioscoreaceae.

No. 3026. Tela, Honduras. May 11, 1951.

**196580.** ZEPHYRANTHES CARINATA Herbert. Amaryllidaceae. **Zephyrlily.**

No. 3038. Cobán, Alta Verapaz, Guatemala. May 19, 1951.

**196581.** GOSSYPIUM. Malvaceae. **Cotton.**

From Peru. Seeds presented by the Instituto de Genética, Lima. Received May 25, 1951.

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**196582.** GOSSYPIUM. Malvaceae. **Cotton.**

From Nicaragua. Seeds presented by the Servicio Técnico Agrícola, Managua. Received May 26, 1951.

Collected in Somoto.

**196583 to 196600.** SORGHUM VULGARE Pers. Poaceae.

From Formosa. Seeds presented by the Taiwan Sugar Experiment Station, Tainan. Received May 25, 1951.

**196583.** No. 1. (Sweet.) **196592.** No. 11. Glumes red, spike yellow.

**196584.** No. 2. (Sweet.) **196593.** No. 12. *Daselo.*

**196585.** No. 3. (Sweet.) **196594.** No. 13. *Blauarmandeyalo.*

**196586.** No. 4. From India. **196595.** No. 14. (Sweet.)

**196587.** No. 5. **196596.** No. 16. *Karo.*

**196588.** No. 6. *Shang-Chuan.* **196597.** No. 17. *Italian.*

**196589.** No. 7. *Blau.* **196598.** No. 18.

**196590.** No. 8. **196599.** No. 19. *Kalame.*

**196591.** No. 10. *Ho-Ko.* **196600.** No. 20. *Dova-Benko.*

**196601.** CARTHAMUS TINCTORIUS L. Asteraceae. **Safflower.**

From the Anglo-Egyptian Sudan. Seeds presented by the Gezira Research Farm, Wad Medani. Received May 28, 1951.

**196602 to 196772.** ARACHIS HYPOGAEA L. Fabaceae. **Peanut.**

From Africa. Seeds presented by the Centre de Recherches Agronomiques de Bambey, Senegal. Received May 28, 1951.

Unless otherwise mentioned, material is from Senegal, French West Africa.



## 196602 to 196772.—Continued

196647. 210A. Mipioraye, French Guinea.  
 196648. 219. Cercle de Kouroussa, French Guinea.  
 196649. 224. Cercle de Dalaba, French Guinea.  
 196650. 227. Banlieue de Kays, French Sudan.  
 196651. 233. Cercle de Kong, Ivory Coast.  
 196652. *M'Pesoba*. Station Agricole M'Presoba, French Sudan.  
 196653 to 196670. Ferkéssédougou, Ivory Coast.
- |                 |                 |
|-----------------|-----------------|
| 196653. 48-15.  | 196662. 48-45.  |
| 196654. 48-16.  | 196663. 48-46.  |
| 196655. 48-25.  | 196664. 48-49.  |
| 196656. 48-33.  | 196665. 48-50.  |
| 196657. 48-34.  | 196666. 48-55.  |
| 196658. 48-37.  | 196667. 48-111. |
| 196659. 48-38.  | 196668. 48-114. |
| 196660. 48-38A. | 196669. 48-115. |
| 196661. 48-42.  | 196670. 48-154. |
196671. *Commune*. Baol.  
 196672. 28-204. *Abomey*. Dahomey, French West Africa.  
 196673. 209B. Medine Cercle de Kays, French Sudan.  
 196674. 234. Sepenedougou, Ferkéssédougou, Ivory Coast.  
 196675. 36-50. *Type Thioubou*. Sedhiou, Casamance.  
 196676. *Samba Tiga*. French Guinea.  
 196677. *Poumpoutoum*. French Guinea.  
 196678. *Chine I*. French Guinea.  
 196679. *Chine II*. French Guinea.  
 196680. *Blanche de Sadão*. Originally from Plovdiv, Bulgaria.  
 196681. *Kolda*. Kolda, Casamance.  
 196682. 41-11. Poumpoutoum.  
 196683. 48-145. Ferkéssédougou, Ivory Coast.  
 196684. 48-146B. Ferkéssédougou, Ivory Coast.  
 196685. 48-184. Ferkéssédougou, Ivory Coast.  
 196686. 47-2. Lac Aloatra, Madagascar.  
 196687. 47-13. Marovoay, Madagascar.  
 196688. 47-26. Marovoay, Madagascar.  
 196689. 47-56. Originally from Argentina.  
 196690. 47-59. Originally from Venezuela.  
 196691. 47-62. Belgian Congo.  
 196692. 47-68. Potchefstroom, Union of South Africa.  
 196693. 47-74. Originally from Sicily.  
 196694. 47-54. Originally from Antalya, Turkey.  
 196695. 203. *Abomey*. Dahomey, French West Africa.  
 196696. 210B. Mipioraye, French Guinea.



## 196602 to 196772.—Continued

196744 to 196752. Marovoay, Madagascar.

196744. 47-10.

196749. 47-20.

196745. 47-12.

196750. 47-21.

196746. 47-14.

196751. 47-21.

196747. 47-17.

196752. 47-25.

196748. 47-19.

196753. 47-30. Lac Aloatra, Madagascar.

196754. 47-36. Lac Aloatra, Madagascar.

196755. 47-45. Rabat, Morocco.

196756. 47-48. Originally from Martinique, French West Indies.

196757. 47-49. Originally from Martinique, French West Indies.

196758. 47-53. Originally from Turkey.

196759. 47-55. Originally from Turkey.

196760. 47-57. Originally from Argentina.

196761. 47-58. Originally from Bulgaria.

196762. 47-60. Originally from Greece.

196763. 47-61. Belgian Congo.

196764. 47-67. Originally from East Indies.

196765. 47-67B. Union of South Africa.

196766. 47-67D. Union of South Africa.

196767 to 196770. Potchefstroom, Union of South Africa.

196767. 47-69.

196769. 47-71.

196768. 47-71.

196770. 47-73.

196771. 47-75. Gambia.

196772. 47-28B. (No data.)

## 196773 to 196802.

From the Union of South Africa. Collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 28, 1951.

Collected May 1 to 12, 1951, in Cape Province. Unless otherwise noted, material collected was bulbs.

196773. *ALBUCA* sp. Liliaceae.

No. A-161. West bank of Brandewyn River near Traveler's Rest.

196774. *ALBUCA* sp.

No. A-169. Road east of Knoetze, between Willowmore and Miller. Forms clumps on dry rocky soil.

196775. *BOOPHONE* sp. Amaryllidaceae.

No. A-156. South of Springbok. Flowers deep rose, appearing without leaves.

196776. *BRUNSVIGIA* sp. Amaryllidaceae.

No. A-163. Near Rondegat, Oliphant's River Valley.

196777. *BULBINE* sp. Liliaceae.

No. A-158. One mile north of Concordia.

196778. *BULBINELLA* sp. Liliaceae.

No. A-151. Nineteen miles north of Clanwilliam.

## 196773 to 196802.—Continued

196779. BRUNSVIGIA sp. Amaryllidaceae.

No. A-164. Near Piquetberg.

196780. DIOSCOREA ELEPHANTIPES (L'Herit.) Engl. Dioscoreaceae.  
Elephant's foot.

No. A-170. Near Kalwerkop. Plant up to 3 feet tall; flowers yellow. (Tubers.)

196781 and 196782. DIOSCOREA HEMICRYPTA Burkill.

196781. No. A-168. Rocky slopes, Schoemanspoort. (Tubers.)

196782. No. A-167. Fifteen miles from Amaliestein at Huis River Pass. (Tubers.)

196783. DIOSCOREA ELEPHANTIPES (L'Herit.) Engl. Elephant's foot.

No. A-159. Seven miles east of Clanwilliam, at Pakhuis Pass, on sandstone boulders. (Tubers.)

196784. DRIMIA sp. Liliaceae.

No. A-155. Fifty-two miles south of Springbok, near Garies. In dry scrubby places.

196785. FREESIA ELIMENSIS L. Bolus. Iridaceae.

No. A-146. River Zonder, between Genadendaal and Caledon. Flowers white with yellow center, fragrant.

196786. HAEMANTHUS CALLOSUS Burchell. Amaryllidaceae.

No. A-143. Between Genadendaal and Caledon.

196787. HAEMANTHUS sp.

No. A-152. Nineteen miles north of Clanwilliam.

196788. HAEMANTHUS sp.

No. A-160. Seven miles east of Clanwilliam.

196789. PERIPHANES ZEYHERI (Baker) Leighton. Amaryllidaceae.

No. A-148. Along Oliphant's River between Citrusdal and Clanwilliam. Flowers pink, like those of a small Nerine.

196790. LACHENALIA RUBIDA Jacq. Liliaceae. Cape-cowslip.

No. A-166. Blauuberg Strand, north of Capetown. Showy red flowers.

196791. LACHENALIA UNICOLOR Jacq.

No. A-162. East of Clanwilliam.

196792. MASSONIA sp. Liliaceae.

No. A-157. South of Springbok.

196793. NERINE sp. Amaryllidaceae.

No. A-141. Du Toit's Pass, 24 miles west of Worcester. Pink flowers.

196794. NERINE ANGUSTIFOLIA Baker.

No. A-147. Near Genadendaal. Flowers pink.

196795. ORNITHOGALUM sp. Liliaceae.

No. A-149. South of Clanwilliam.

196796. SCILLA sp. Liliaceae.

No. A-145. Between Genadendaal and Caledon.

196797. STRUMARIA RUBELLA Jacq. Amaryllidaceae.

No. A-154. Twenty-eight miles north of Clanwilliam. Flowers white, appearing before leaves.

**196773 to 196802.**—Continued

196798. *URGINEA* sp. Liliaceae.

- No. A-153. Nineteen miles north of Clanwilliam.

196799. *VELTHEIMIA* sp. Liliaceae.

No. A-150. Four miles south of Clanwilliam.

196800. (Undetermined.)

No. A-144. Between Genadendaal and Caledon.

196801. *EUCOMIS REGIA* Ait. Liliaceae.

No. A-165. Between Genadendaal and Caledon.

196802. (Undetermined.)

No. A-142. Between Genadendaal and Caledon. (Tubers.)

**196803. *MEDICAGO ARBOREA* L. Fabaceae.**

From Chile. Seeds obtained by Edgar A. Hodson, Soil Conservation Service, United States Department of Agriculture, through the American Embassy, Santiago. Received May 29, 1951.

**196804. *COIX LACRYMA-JOBI* var. *MA-YUEN* (Romanet) Stapf.**

Poaceae.

**Adlay.**

From the Philippine Islands. Seeds presented by the Director, Bureau of Plant Industry, Manila. Received July 3, 1951.

*Andang*. Bontoc, Luzon.

**196805. *MANGIFERA INDICA* L. Anacardiaceae.**

**Mango.**

From Pakistan. Seeds presented by Isom Deshotels. Received July 3, 1951.

Said to be from the best mangos in Pakistan.

**196806 to 196813.**

From Mexico. Seeds presented by Santiago F. Villanueva, Cuernavaca, Morelos. Received May 29, 1951.

196806. *CROTALARIA LONGIROSTRATA* Hook. & Arn. Fabaceae.

196807. *CROTALARIA* sp.

196808. *DESMODIUM* sp. Fabaceae.

196809. *GALACTIA* sp. Fabaceae.

196810 to 196812. *PHASEOLUS LUNATUS* L. Fabaceae.

**Lima bean.**

196810. No. 1.

196811. No. 2.

196812. No. 3.

196813. *PHASEOLUS* sp.

**196814. *SORGHUM VULGARE* Pers. Poaceae.**

From the Hawaiian Islands. Seeds presented by A. J. Mangelsdorf, Agricultural Experiment Station, Honolulu. Received May 29, 1951.

**196815 and 196816. *TRITICUM AESTIVUM* L. Poaceae.**

**Common wheat.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received May 29, 1951.

196815. 1013 G-48.

196816. 1278 G-48.

**196817. HORDEUM JUBATUM L. Poaceae. Foxtail barley.**

From Sweden. Seeds presented by the Hortus Botanicus Bergianus, Stockholm. Received June 5, 1951.

**196818 to 196917.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 29, 1951.

Collected in 1951.

**196818. ACACIA sp. Mimosaceae.**

No. 9989. Vicinity of Lekemti Airfield. Apr. 2, 3.

**196819. AFRAMOMUM sp. Zingiberaceae.**

No. 10019. Market, Lekemti. Apr. 5.

**196820. ALOE sp. Liliaceae.**

No. 9912. Robit, Rift Valley. Mar. 3.

**196821. ALOE sp.**

No. 10106. Selale region, 29 miles south of Addis Ababa. Apr. 24.

**196822. AMARYLLIS sp. Amaryllidaceae.**

No. 10048. Hollata, Shoa Province. Apr. 17.

**196823. AMMI COPTICUM L. Apiaceae.**

No. 10012. Market, Lekemti. Apr. 5.

**196824. PRUNUS AMYGDALUS (L.) Batsch. Amygdalaceae. Almond.**

No. 10046. Hollata, Shoa Province. Apr. 17.

**196825. PRUNUS PERSICA (L.) Batsch. Peach.**

No. 9991. Lekemti. Apr. 2.

**196826. ANDROPOGON sp. Poaceae.**

No. 10010. Between Gedo and Ambo. Mar. 4.

**196827 to 196830. Malu farm, 31 miles south of Addis Ababa. Apr. 14, 15.****196827. ANDROPOGON sp.**

No. 10079. *Sanbalit*. Thatching grass, shortest type.

**196828. HYPARRHENIA sp. Poaceae.**

No. 10080. *Sanbalit*. Thatching grass, tallest type.

**196829. ANDROPOGON sp. Poaceae.**

No. 10081. *Sanbalit*. Thatching grass, medium type.

**196830. ANDROPOGON sp.**

No. 10082. *Balami*. Perennial tussocks; good hay.

**196831. APIUM GRAVEOLENS L. Apiaceae. Celery.**

No. 10047. Hollata. Apr. 17.

**196832. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

No. 10018. Market, Lekemti. Apr. 5.

**196833. ARISTIDA sp. Poaceae.**

No. 10003. Between Lekemti and Baco. Apr. 4.

**196834. AVENA sp. Poaceae.**

No. 10095. Market, Hollata. Apr. 17.

**196835. AVENA sp.**

No. 10036. Market, Lekemti. Apr. 5.

## 196818 to 196917.—Continued

196836. *BRASSICA* sp. Brassicaceae.  
No. 10016. Market, Lekemti. Apr. 5.
196837. *BRYOPHYLLUM* sp. Crassulaceae.  
No. 10002. Lekemti. Apr. 2.
196838. *CARICA PAPAYA* L. Caricaceae. **Papaya.**  
No. 10119. Shop, Addis Ababa. Apr. 25.
196839. *HELIANTHUS ANNUUS* L. Asteraceae. **Sunflower.**  
No. 10025. Market, Lekemti. Apr. 5.
196840. *CICER ARIETINUM* L. Fabaceae. **Chickpea.**  
No. 10030. Market, Lekemti. Apr. 5.
196841. *CICHORIUM ENDIVIA* L. Cichoriaceae. **Endive.**  
No. 10066. Shop, Addis Ababa. Apr. 16.
196842. *COFFEA* sp. Rubiaceae. **Coffee.**  
No. 10029. Market, Lekemti. Apr. 5.
196843. *CORIANDRUM SATIVUM* L. Apiaceae. **Coriander.**  
No. 10015. Market, Lekemti. Apr. 5.
196844. *CUCUMIS FICIFOLIUS* A. Rich. Cucurbitaceae.  
No. 10000. Lekemti. Apr. 2.
196845. *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**  
No. 10067. Shop, Addis Ababa. Apr. 16.
196846. *CYDONIA OBLONGA* Mill. Malaceae. **Quince.**  
No. 10097. Shop, Addis Ababa. Apr. 16.
196847. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**  
No. 10065. Shop, Addis Ababa. Apr. 16.
- 196848 and 196849. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. **Ragi.**  
196848. No. 10025. Market, Lekemti. Apr. 5.  
196849. No. 10100. Market, Lekemti. Apr. 19.
196850. *ENTADA ABYSSINICA* Steud. Mimosaceae.  
No. 10004. Between Lekemti and Baco. Apr. 4.
196851. *ERAGROSTIS TEF* (Zuccagni) Trotter. Poaceae. **Teff.**  
No. 10087. Malu farm, 31 miles south of Addis Ababa. Apr. 14.
196852. *ERAGROSTIS TENUIFOLIA* (A. Rich.) Hochst.  
No. 10054. Hollata. Apr. 17.
196853. *ELEUSINE FLOCCIFOLIA* (Forsk.) Spreng. Poaceae.  
No. 10083. Malu farm, 31 miles south of Addis Ababa. Apr. 14.
196854. *SPOROBOLUS PYRAMIDALIS* Beauv. Poaceae.  
No. 10088. Malu farm, 31 miles south of Addis Ababa. Apr. 15.
196855. *ERYTHRINA* sp. Fabaceae.  
No. 9999. Lekemti. Apr. 2. *Korch*. Spiny tree 30 feet high.
196856. *GUIZOTIA ABYSSINICA* (L.f.) Cass. Asteraceae.  
No. 10032. Market, Lekemti. Apr. 5.

## 196818 to 196917.—Continued

- 196857 to 196862. *HORDEUM* spp. Poaceae. **Barley.**
196857. *HORDEUM IRREGULARE* Åberg & Wiebe.  
No. 10031. Market, Lekemti. Apr. 5.
196858. *HORDEUM* sp.  
No. 10034. Market, Lekemti. Apr. 5.
196859. *HORDEUM* sp.  
No. 10057. Market, Hollata. Apr. 17.
- 196860 to 196862. From Malu farm, 31 miles south of Addis Ababa.  
Apr. 14.
- 196860 and 196861. *HORDEUM VULGARE* L. **Common barley.**
196860. No. 10086.
196861. No. 10092.
196862. *HORDEUM* sp.  
No. 10094.
196863. *LATHYRUS CICERA* L. Fabaceae.  
No. 10056. Market, Hollata. Apr. 17.
196864. *LENS CULINARIS* Medic. Fabaceae. **Lentil.**  
No. 10014. Market, Lekemti. Apr. 5.
196865. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**  
No. 10011. Market, Lekemti. Apr. 5.
196866. *LOLIUM TEMULENTUM* L. Poaceae. **Darnel.**  
No. 10038. Sorted from wheat and barley, market, Lekemti. Apr. 5.
196867. *LUPINUS ALBUS* L. Fabaceae. **White lupine.**  
No. 10063. 13 miles southwest of Addis Ababa. Apr. 17.
196868. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**  
No. 10064. Shop, Addis Ababa. Apr. 16.
196869. *NIGELLA SATIVA* L. Ranunculaceae. **Black cumin.**  
No. 10013. Market, Lekemti. Apr. 5.
196870. *OLEA CHRYSOPHYLLA* Lam. Oleaceae.  
No. 10044. Near Hollata. Apr. 17.
196871. *PASSIFLORA EDULIS* Sims. Passifloraceae.  
No. 10120. Cultivated, Addis Ababa. Apr. 25.
196872. *PENNISETUM* sp. Poaceae.  
No. 10077. *Kumetti*. 31 miles south of Addis Ababa. Apr. 15.
196873. *PHALARIS PARADOXA* L. Poaceae.  
No. 10078. Malu farm, 31 miles south of Addis Ababa. Apr. 14.
- 196874 and 196875. *PHOENIX ABYSSINICA* Drude. Phoenicaceae. **Palm.**
196874. No. 10009. Between Gedo and Ambo. Apr. 5. Common throughout Wollega Province. Fruits edible, freely produced.
196875. No. 10068. Malu farm, 31 miles south of Addis Ababa. Apr. 14.
- 196876 and 196877. *PISUM SATIVUM* L. Fabaceae. **Pea.**
- Market, Lekemti. Apr. 5.
196876. No. 10035.
196877. No. 10026

## 196818 to 196917.—Continued

196878. *PHYSALIS PERUVIANA* L. Solanaceae. **Peruvian groundcherry.**  
No. 10069. Malu farm, 31 miles south of Addis Ababa. Apr. 14.
196879. *PUNICA GRANATUM* L. Punicaceae. **Pomegranate.**  
No. 10098. Shop, Addis Ababa. Apr. 17.
- 196880 to 196883. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**  
196880. No. 9982. Addis Ababa. Mar 19.  
196881. No. 9993. Vicinity of Lekemti Airfield. Apr. 2.  
196882. No. 9994. Vicinity of Lekemti Airfield. Apr. 2.  
196883. No. 10028. Market, Lekemti. Apr. 5.
196884. *ROSA* sp. Rosaceae. **Rose.**  
No. 10045. Hollata. Apr. 17. Bush 10 feet high; flowers semidouble red with blackish blush at maturity; freely borne.
196885. *ROSA* sp.  
No. 10053. Hollata. Apr. 17. A common climber; flowers single, white, fragrant; the national flower of Ethiopia.
196886. *RUBUS* sp. Rosaceae.  
No. 9998. Lekemti. Apr. 2.
196887. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**  
No. 10099. Market, Lekemti. Apr. 19.
196888. *SESBANIA* sp. Fabaceae.  
No. 9986. Baco. Mar. 31. Slender shrub, up to 20 feet high.
196889. *SETARIA* sp. Poaceae.  
No. 9995. Lekemti. Apr. 2. In clumps 3 feet high.
196890. *SORGHUM* sp. Poaceae.  
No. 10085. Malu farm, 31 miles south of Addis Ababa. Apr. 15.
- 196891 and 196892. *SORGHUM VULGARE* Pers.  
196891. No. 10027. Market, Lekemti. Apr. 5.  
196892. No. 10089. Malu farm, 31 miles south of Addis Ababa. Apr. 15.
196893. *SPARTIUM JUNCEUM* L. Fabaceae.  
No. 10062. Outskirts of Addis Ababa. Apr. 18.
196894. *SPOROBOLUS* sp. Poaceae.  
No. 10113. Near village of Selulita. Apr. 24.
196895. *TRIFOLIUM SUBROTUNDUM* Steud. & Hochst. Fabaceae.  
No. 10076. Malu farm, 31 miles south of Addis Ababa. Apr. 15.
196896. *TRIFOLIUM SEMIPILOSUM* Fresen.  
No. 10055. Hollata. Apr. 17. White flowered, very common.
196897. *TRIFOLIUM* sp.  
No. 10075. Malu farm, 31 miles south of Addis Ababa. Apr. 15.
196898. *TRIFOLIUM TEMBENSE* Fresen.  
No. 10084. Malu farm. Apr. 14.
196899. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. **Fenugreek.**  
No. 10017. Market, Lekemti. Apr. 5.

## 196818 to 196917.—Continued

- 196900 to 196903. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.  
 196900. No. 10021. Market, Lekemti. Apr. 5.  
 196901. No. 10022. Market, Lekemti. Apr. 5.  
 196902. No. 10060. Market, Hollata. Apr. 17.  
 196903. No. 10091. Malu farm, 31 miles south of Addis Ababa. Apr. 14, 15.
- 196904 and 196905. *TRITICUM DICOCCUM* Schrank. Emmer.  
 196904. No. 10020. Market, Lekemti. Apr. 5.  
 196905. No. 10090. Malu farm, 31 miles south of Addis Ababa. Apr. 14.
196906. *TRITICUM* sp.  
 No. 9730. Dessie. Feb. 22.
196907. *TRITICUM* sp.  
 No. 10058. Market, Hollata. Apr. 17.
196908. *TRITICUM* sp.  
 No. 10059. Market, Hollata. Apr. 17.
196909. *TRITICUM* sp.  
 No. 10093. Malu farm, 31 miles south of Addis Ababa. Apr. 14.
196910. *URGINEA* sp. Liliaceae.  
 No. 10005. Between Lekemti and Baco. Apr. 4.
196911. *URGINEA* sp.  
 No. 10103. Selale region, 28 miles south of Addis Ababa. Apr. 24.
196912. *URGINEA* sp.  
 No. 10110. Near Selulita, 13 miles south of Addis Ababa. Apr. 24.
196913. *VERBENA* sp. Verbenaceae.  
 No. 10117. Entoto Hills. Apr. 24.
- 196914 and 196915. *VICIA FABA* L. Fabaceae. Broadbean.  
 196914. No. 9671. Dessie. Feb. 19.  
 196915. No. 10024. Market, Lekemti. Apr. 5.
196916. *VICIA ANGUSTIFOLIA* Reich.  
 No. 10072. Malu farm, 31 miles south of Addis Ababa. Apr. 14.
196917. *ZEA MAYS* L. Poaceae. Corn.  
 No. 10033. Market, Lekemti. Apr. 5.
- 196918 and 196919. *DIOSCOREA* spp. Dioscoreaceae.  
 From Mexico. Tubers collected by Eugene C. Ogden and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 29, 1951.
196918. *DIOSCOREA* sp.  
 No. 51209. Veracruz. May 10, 1951.
196919. *DIOSCOREA* sp.  
 No. 51211. Puebla. May 13, 1951.
- 196920 to 196940.  
 From Mexico. Collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received May 31, 1951.  
 Collected in 1951. Material collected was seeds, unless otherwise noted.

**196920 to 196940.**—Continued

**196920.** DIOSCOREA sp. Dioscoreaceae.

No. 10444. Uruapan, Michoacán. May 11. (Tubers.)

**196921.** DIOSCOREA sp.

No. 10454. Cañon del Marques, Michoacán. May 12. (Tubers.)

**196922.** DIOSCOREA sp.

No. 10468. Tierra Blanca, Veracruz. May 17. (Tubers.)

**196923 to 196925.** CUCURBITA MOSCHATA Duchesne. Cucurbitaceae.

**Cushaw.**

Market, Córdoba, Veracruz. Apr. 26.

**196923.** No. 10391. Said to come from the Isthmus of Tehuantepec.

**196924.** No. 10394. Said to come from Morelos or Guerrero.

**196925.** No. 10395. Said to come from Chiapas.

**196926.** DIOSCOREA sp. Dioscoreaceae.

No. 10415. San Andrés de Tuxtla, Veracruz.

**196927 to 196936.** PHASEOLUS VULGARIS L. Fabaceae. **Common bean.**

**196927 to 196934.** Market, Córdoba, Veracruz. Apr. 26.

**196927.** No. 10392. *Frijol Criollo.*

**196928.** No. 10397. *Frijol Bayo Oscuro.*

**196929.** No. 10398. *Aluvia Chica.*

**196930.** No. 10400. *Frijol Amarilla.*

**196931.** No. 10401. *Frijol Aluvia.*

**196932.** No. 10402. *Frijol Bayo.*

**196933.** No. 10403. *Frijol Bayo Mantequilla.*

**196934.** No. 10404. *Frijol Ayocote.*

**196935.** No. 10418. Market, San Andrés de Tuxtla, Veracruz. Apr. 30.

**196936.** No. 10419. Market, San Andrés de Tuxtla, Veracruz. Apr. 30.

**196937.** PIMENTA OFFICINALIS Lindl. Myrtaceae.

**Allspice.**

No. 10399. Market, Córdoba, Veracruz. Apr. 26.

**196938.** STIZOLOBIUM sp. Fabaceae.

No. 10406. Thirty-five miles east of Córdoba, Veracruz. Apr. 27.

**196939 and 196940.** ZEA MAYS L. Poaceae.

**Corn.**

**196939.** No. 10393. Market, Córdoba, Veracruz. Apr. 26.

**196940.** No. 10420. Market, San Andrés de Tuxtla, Veracruz. Apr. 30.

**196941.** SACCHARUM. Poaceae.

**Sugarcane.**

From New Guinea. Cuttings presented by Dr. John N. Warner, Hawaiian Sugar Planters' Association, Honolulu, T. H. Received June 1, 1951.

No. 91.

**196942 to 196960.**

From Guatemala. Collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 1, 1951.

Collected in May 1951.

**196942.** ANTHERICUM sp. Liliaceae.

No. 3045. Volcán de Siete Orejas, Quezaltenango. (Plants.)

**196942 to 196960.—Continued**

**196943 to 196947.** DIOSCOREA spp. Dioscoreaceae.

Near Volcán Santa Maria, Quezaltenango. (Tubers.)

**196943.** DIOSCOREA sp.

No. 3052.

**196944.** DIOSCOREA sp.

No. 3055.

**196945.** DIOSCOREA sp

No. 3056.

**196946 and 196947.** DIOSCOREA CONVULVULACEA Cham. & Schl.

**196946.** No. 3057.

**196947.** No. 3058.

**196948 to 196952.** PHASEOLUS spp. Fabaceae.

Departamento Quezaltenango. May 24, 25. (Seeds.)

**196948.** PHASEOLUS sp.

No. 3048. Between Zunil and Santa María.

**196949.** PHASEOLUS sp.

No. 3049. Volcán Santa Maria.

**196950.** PHASEOLUS sp.

No. 3050. *Frijol de Montana*. Volcán Santa Maria.

**196951.** PHASEOLUS sp.

No. 3051. Volcán Santa Maria.

**196952.** PHASEOLUS sp.

No. 3060. Cumbre de Olantepeque.

**196953.** SMILACINA FLEXUOSA Bertol. Convallariaceae.

No. 3053. Volcán Santa Maria, Quezaltenango. (Roots.)

**196954.** SOLANUM sp. Solanaceae.

No. 3047. Volcán de Siete Orejas, Quezaltenango. (Tubers.)

**196955.** (Undetermined.)

No. 3041. Near Caxin, Huehuetenango. Blue flowers. (Plants.)

**196956.** (Undetermined.)

No. 3042. Near Caxin. (Plants.)

**196957.** RIGIDELLA IMMACULATA Herb. Iridaceae.

No. 3043. Near Caxin. (Bulbs.)

**196958.** (Undetermined.)

No. 3044. Cerro Chimal. (Plants.)

**196959.** (Undetermined.)

No. 3046. Volcán de Siete Orejas, Quezaltenango. (Plants.)

**196960.** (Undetermined.)

No. 3054. Volcán Santa Maria, Quezaltenango. (Roots.)

**196961 and 196962.**

From the Union of South Africa. Seeds collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 1, 1951.

**196961 and 196962.—Continued**

**196961.** DIOSCOREA HEMICRYPTA Burkill. Dioscoreaceae.

No. A-167. Fourteen miles from Amaliestein, Huis River Pass, Cape Province. May 11, 1951.

**196962.** HIBISCUS LUDWIGII Eckl. & Zeyh. Malvaceae.

From the National Botanic Garden, Kirstenbosch, Cape Province. Originally from the eastern part of Cape Province.

**196963 to 196967. LINUM USITATISSIMUM L. Linaceae. Flax.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received June 1, 1951.

**196963.** *Kenya C. I. 709-1.*

**196966.** *Variety 48A.*

**196964.** *Khorramabad.*

**196967.** *Wada.*

**196965.** *Rija Contrekport*

**196968 to 196973.**

From Guatemala. Collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received June 4, 1951.

From near Amatitlan, Departamento de Guatemala.

**196968.** DIOSCOREA DENSIFLORA Hemsl. Dioscoreaceae.

No. 3065. (Roots.)

**196969.** PHASEOLUS LUNATUS L. Fabaceae.

**Lima bean.**

No. 3069. (Plants.)

**196970.** PHASEOLUS VULGARIS L.

**Common bean.**

No. 3070. (Plants.)

**196971.** SMILACINA sp. Liliaceae.

No. 3067. (Plants.)

**196972.** CRINUM ERUBESCENS Ait. Amaryllidaceae.

No. 3064. (Roots.)

**196973.** (Undetermined.)

No. 3066. Probably Amaryllidaceae. (Roots.)

**196974 to 196982.**

From Ethiopia. Collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 4, 1951.

Collected in May 1951.

**196974.** ALOE sp. Liliaceae.

No. 10227. Vicinity of Diredawa. A small plant; flowers pale dusty red, with yellow tips. Leaves pale green with light yellow spots. (Plants.)

**196975 and 196976.** MANGIFERA INDICA L. Anacardiaceae.

**Mango.**

**196975.** No. 10219. Diredawa. Fruits bright yellow, 2 inches long. (Seeds.)

**196976.** No. 10224. Near Diredawa. (Seeds.)

**196977.** SANSEVIERIA sp. Liliaceae.

No. 10148. Between Diredawa and Errer. Fiber used to tie packages. (Roots and plants.)

**196978.** DIPCADI VIRIDE Moench. Liliaceae.

No. 10145. Errer. (Bulbs.)

**196974 to 196982.—Continued**

196979. *CRINUM CRASSIPES* Baker. Amaryllidaceae.

No. 10146. Errer. Flowers said to be white. (Bulb.)

196980. *CISSUS* sp. Vitaceae.

No. 10142. Diredawa. Fleshy xerophyte; flowers yellow. (Leaf.)

196981. *IPOMOEA* sp. Convolvulaceae.

No. 10123. Diredawa. May 7, 1951. Woody vine, up to 8 feet long. Flowers pale pink. Cultivated but also wild. (Cuttings.)

196982. (Undetermined.)

No. 10130. Diredawa. Leafy shrub up to 10 feet high. Flowers rosy pink and yellow. Plant used as trimmed hedge in Harar. (Plants.)

**196983 to 196985.**

From Mexico. Tubers collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 4, 1951.

196983. (Undetermined.)

No. 10496. Nayarit. May 22, 1951. Probably Cycadaceae.

196984. *DIOSCOREA* sp. Dioscoreaceae.

No. 10467. Tierra Blanca, Jalisco. May 17, 1951.

196985. *DIOSCOREA* sp.

No. 10474. Barrancas, Jalisco. May 19, 1951.

**196986 and 196987.**

From Mexico. Roots collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 5, 1951.

196986. *DIOSCOREA* sp. Dioscoreaceae.

No. 10475. Barrancas, Jalisco. May 19, 1951.

196987. *SPREKELIA* sp. Amaryllidaceae.

No. 10501. Nayarit. May 24, 1951.

**196988 and 196989. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.**

From Formosa. Seeds presented by Prof. Yuen-Liang Ku, Agronomy Department, National Taiwan University, Taipei. Received June 6, 1951.

196988. *Madras Blue*. Originally from India.

196989. *Nadiad Red*. Originally from India.

**196990 to 197068.**

From Central America. Collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 5, 1951.

Collected in 1951. Unless otherwise mentioned, material was received as seeds.

196990 to 196995. *CAJANUS CAJAN* (L.) Druce. Fabaceae. **Pigeonpea.**

196990 and 196991. Near Potosí, near Rivas, Nicaragua. May 4.

196990. No. 2986.

196991. No. 2988.

196992 to 196995. From Honduras.

196992. No. 2989. Near San Pedro Sula. Apr. 6.

196993. No. 2992. San Pedro Sula. Apr. 6.

196994. No. 2993. San Pedro Sula. Apr. 6.

196995. No. 3008. Market, Tela. May 7.

## 196990 to 197068.—Continued

196996. *CANAVALIA* sp. Fabaceae.  
No. 2973. Near Rivas, Nicaragua. May 1, 2.
196997. *CANAVALIA* sp.  
No. 2976. Near Rivas. May 2.
196998. *CANAVALIA* sp.  
No. 2997. Near San Pedro Sula, Honduras. Apr. 6.
196999. *CANAVALIA* sp.  
No. 3004. Santa Marta, near San Pedro Sula, Honduras. Apr. 10.
197000. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**  
No. 3000. *Chiltepe de Montana*. Near San Pedro Sula, Honduras. Apr. 10.
- 197001 to 197004. *CENTROSEMA PUBESCENS* Benth. Fabaceae.
197001. No. 2971. Near Rivas, Nicaragua. May 1, 2.
197002. No. 2982. Near Potosí, Nicaragua. May 4.
197003. No. 2996. Near San Pedro Sula, Honduras. Apr. 6.
197004. No. 2998. Near San Pedro Sula. Apr. 6.
197005. *CENTROSEMA* sp.  
No. 2972. Near Rivas, Nicaragua. May 1, 2.
197006. *CENTROSEMA* sp.  
No. 2978. Near Rivas. May 1.
197007. *CUCURBITA MOSCHATA* Duchesne. Cucurbitaceae. **Cushaw.**  
No. 2869. Market, San Salvador, El Salvador. Apr. 1.
197008. *DIOSCOREA* sp. Dioscoreaceae.  
No. 3021. Mountains near Olanchito, Yoro, Honduras. May 10.
197009. *DIOSCOREA* sp.  
No. 3028. Near Ahuachapán, Ahuachapán, El Salvador.
197010. *DOLICHOS LABLAB* L. Fabaceae. **Hyacinth-bean.**  
No. 2990. San Pedro Sula, Honduras. Apr. 6.
197011. *GALACTIA* sp. Fabaceae.  
No. 2999. Near San Pedro Sula, Honduras. Apr. 6.
197012. *GALACTIA* sp.  
No. 3002. Rio Igarito, near Santa Rosa, Copán, Honduras. Apr. 8.
197013. *JATROPHA* sp. Euphorbiaceae.  
No. 3017. Cuyamel, near La Ceiba, Honduras. May 9.
- 197014 to 197018. *PHASEOLUS ATROPURPUREUS* DC. Fabaceae.
197014. No. 2641. Forty miles from Jalapa, Guatemala. Mar. 10.
197015. No. 2974. Near San Jorge, Rivas, Nicaragua. May 2.
197016. No. 2979. Near Rivas, Rivas, Nicaragua. May 2.
197017. No. 2984. Near Potosí, Rivas, Nicaragua. May 4.
197018. No. 3020. Near Olanchito, Yoro, Honduras. May 10.
197019. *PHASEOLUS AUREUS* Roxb. **Mung bean.**  
No. 3012. Lancetilla Experiment Station, Tela, Honduras. May 8.

## 196990 to 197068.—Continued

- 197020 to 197029. *PHASEOLUS LUNATUS* L. Lima bean.  
 197020 to 197027. From El Salvador.  
 197020. No. 2857. Market, Santa Tecla. Mar. 31.  
 197021. No. 2860. Near Escorial, La Libertad. Apr. 1.  
 197022. No. 2861. Near Escorial. Apr. 1.  
 197023. No. 2862. Near Escorial. Apr. 1.  
 197024. No. 2865. Market, San Salvador. Apr. 1.  
 197025. No. 2868. Market, San Salvador. Apr. 1.  
 197026. No. 2872. Near Apulo, Lago Ilopango. Apr. 2.  
 197027. No. 2873. Near Apulo. Apr. 2.  
 197028. No. 2975. Near Rivas, Rivas, Nicaragua. May 2.  
 197029. No. 2983. Near Potosí, Rivas, Nicaragua. May 4.
- 197030 to 197038. *PHASEOLUS VULGARIS* L. Common bean.  
 197030. No. 2858. Market, Santa Tecla, El Salvador. Mar. 31.  
 197031. No. 2864. Market, San Salvador. Apr. 1.  
 197032. No. 2866. Market, San Salvador. Apr. 1.  
 197033. No. 2867. Market, San Salvador. Apr. 1.  
 197034. No. 2965. Market, Rivas, Rivas, Nicaragua. May 1.  
 197035. No. 2966. Market, Rivas, Rivas, Nicaragua. May 1.  
 197036. No. 2987. Near Potosí, Rivas, Nicaragua. May 4.  
 197037. No. 3007. Market, Tela, Honduras. May 7.  
 197038. No. 3013. Market, La Ceiba, Honduras. May 8.
- 197039 and 197040. *PHASEOLUS SPECIOSUS* H.B.K.  
 197039. No. 2863. Near Escorial, side of Volcán San Salvador, El Salvador. Apr. 1.  
 197040. No. 2969. Near San Jorge, Rivas, Nicaragua. May 1.
197041. *PHASEOLUS* sp.  
 No. 2855. Market, Santa Tecla, El Salvador. Mar. 31.
197042. *PHASEOLUS* sp.  
 No. 2981. Near Potosí, Rivas, Nicaragua. May 4.
- 197043 and 197044. *PISUM SATIVUM* L. Fabaceae. Pea.  
 197043. No. 2994. San Pedro Sula, Honduras. Apr. 6.  
 197044. No. 3005. Santa Marta, near San Pedro Sula. Apr. 6.
197045. *PACHYRHIZUS EROSUS* (L.) Urban. Fabaceae. Yam-bean.  
 No. 3006. Santa Marta, near San Pedro Sula, Honduras. Apr. 10.
197046. *RHYNCHOSIA* sp. Fabaceae.  
 No. 2974. Near Apulo, Lago Ilopango, El Salvador. Apr. 2.
197047. *RHYNCHOSIA* sp.  
 No. 2995. Near San Pedro Sula, Honduras. Apr. 6.
197048. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.  
 No. 3027. Near Ahuachapán, El Salvador. May 14.
- 197049 and 197050. *SORGHUM VULGARE* Pers. Poaceae.  
 197049. No. 2870. Market, San Salvador, El Salvador. Apr. 1.  
 197050. No. 2968. Market, Rivas, Rivas, Nicaragua. May 1.

## 196990 to 197068.—Continued

197051 and 197052. STIZOLOBIUM ATERRIMUM Piper & Tracy. Fabaceae.

197051. No. 2991. *Pica Dulce*. Hacienda Chotepe, Cortés, Honduras. Apr. 6. Used as forage and as cover crop.

197052. No. 3001. Court, Municipal Building, San Pedro Sula, Honduras. Apr. 6.

197053. STIZOLOBIUM sp.

No. 2977. Near Rivas, Rivas, Nicaragua. May 2.

197054. STIZOLOBIUM sp.

No. 3003. Near Santa Rosa, Copán, Honduras. Apr. 8. Pods covered with stinging hairs.

197055. VIGNA CYLINDRICA (L.) Skeels. Fabaceae. **Catjang.**

No. 2985. *Frijol de Bara*. Near Potosí, Rivas, Nicaragua. May 4.

197056 and 197057. VIGNA SINENSIS (Torner) Savi. **Cowpea.**

197056. No. 2856. *Frijol de Castilla*. Market, Santa Tecla, El Salvador. Mar. 31.

197057. No. 3009. Market, Tela, Honduras. May 7.

197058. VIGNA sp.

No. 2980. Near Rivas, Rivas, Nicaragua. May 2.

197059. VIGNA sp.

No. 2970. Near Rivas. May 1, 2.

197060. VIGNA sp.

No. 3018. Loop Junction, Honduras. May 9.

197061 and 197062. ZEA MAYS L. Poaceae. **Corn.**

197061. No. 2859. *Maiz Blanco*. Santa Tecla, El Salvador. Mar. 31.

197062. No. 2967. *Maiz Blanco*. Near Rivas, Rivas, Nicaragua. May 1, 2.

197063 and 197064. DIOSCOREA BARTLETTII Morton. Dioscoreaceae.

197063. No. 3084. Near Uaxactún, Petén, Guatemala. June 1. (Tubers.)

197064. No. 3093. Near Ticul, Petén. June 1. (Tubers.)

197065 to 197068. Near Uaxactún, Petén, Guatemala. June 1.

197065. (Undetermined.)

No. 3094. (Roots.)

197066. (Undetermined.)

No. 3095. (Plant.)

197067. (Undetermined.)

No. 3096. (Roots.)

197068. (Undetermined.)

No. 3097. (Roots.)

## 197069 and 197070.

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered June 7, 1951.

197069. BEGONIA sp. Begoniaceae.

Similar to P. I. 189575, leaves and stems a combination of gray and green.

197070. ZOYSIA JAPONICA Steud. Poaceae.

Origin unknown.

**197071. (Undetermined.)**

From Mexico. Plants collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 8, 1951.

No. 10445. (No data.)

**197072 to 197075. TRITICUM AESTIVUM L. Poaceae.**

**Common wheat.**

From Sweden. Seeds presented by W. Weibull, Landskrona. Received June 8, 1951.

197072. *Ares*. Winter wheat.                      197074. *Eroica*. Winter wheat.

197073. *Ergo*. Winter wheat.                      197075. *Karn II*. Spring wheat.

**197076 to 197079. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.**

From Spain. Seeds presented by the Agricultural Attaché, Spanish Embassy, Washington, D. C. Received June 8, 1951.

197076. *Melon Amarillo de Onteniente*.

197077. *Melon Bronceado*.

197078. *Melon Bronceado*. (Resistant.)

197079. *Melon Tendral (Valenciano)*.

**197080. AGAPANTHUS sp. Liliaceae.**

From the Union of South Africa. Roots collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 11, 1951.

No. A-110. From the Bloem-Erf Nurseries, Stellenbosch, Cape Province. June 1951. A dwarf, blue-flowered species.

**197081 and 197082.**

From Kenya. Seeds presented by S. P. Rawlins, Hoey's Bridge. Received June 11, 1951.

197081. *LOTUS TIGRENSIS* Baker. Fabaceae.

197082. *TRIFOLIUM* sp. Fabaceae.

Received as *T. holstii*, an apparently unpublished name.

**197083. PELARGONIUM sp. Geraniaceae.**

From Ethiopia. Cuttings collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 12, 1951.

No. 10261. Cultivated, Addis Ababa. June 4, 1951. Leaves ivylike; pendent branches up to 3 feet long; flowers pink, shining.

**197084. CAPSICUM PUBESCENS Ruiz & Pav. Solanaceae.**

From Guatemala. Seeds collected by R. C. Moncure, Office of Foreign Agricultural Relations, United States Department of Agriculture. Received June 13, 1951.

A yellow, hot pepper from the San Juan Ixcay, Huehuetenango.

**197085 to 197095.**

From India. Seeds collected by Dr. Walter Koelz, American Embassy, Assam. Received June 13, 1951.

Collected in 1951.

197085 to 197088. *CUCUMIS SATIVUS* L. Cucurbitaceae.                      **Cucumber.**

Silchar, Cachar. Apr. 16.

## 197085 to 197095.—Continued

197085 to 197088.—Continued

197085. No. 11762. Fruit subglobose, flattened on ends.  
 197086. No. 11758.  
 197087. No. 11757.  
 197088. No. 11763. Fruit irregularly compressed, russet-brown.
197089. CUCURBITA MOSCHATA Duchesne. Cucurbitaceae. **Cushaw.**  
 No. 11761. Silchar. Apr. 16.
197090. CUCURBITA PEPO L. **Pumpkin.**  
 No. 11760. Silchar.
197091. DOLICHOS LABLAB L. Fabaceae. **Hyacinth-bean.**  
 No. 11759. Silchar.
197092. GOSSYPIUM. Malvaceae. **Cotton.**  
 No. 11765. Lushai Hills; taken from loads going to Aijal market.
197093. MORUS sp. Moraceae. **Mulberry.**  
 No. 11764. Zobauk, Lushai Hills. Fruits 3 inches in diameter, red-black, pleasantly acid. Area free from frost.
- 197094 and 197095. ZEA MAYS L. Poaceae. **Corn.**  
 197094. No. 11767. Larkul, Cachar. May 10.  
 197095. No. 11767a. Aijal, Lushai Hills.

## 197096 to 197147.

From Japan. Seeds obtained by E. B. Coffman, Natural Resources Section, GHQ, SCAP, APO 500, c/o Postmaster, San Francisco, Calif. Received June 13, 1951.

197096 to 197099. COSMOS. Asteraceae.

From the Kihara Institute for Biological Research, Kyote.

197096. Normal type.  
 197097. Mutant. Hiroshima. Flowers pink.  
 197098. Mutant. Hiroshima. Flowers dark-pink.  
 197099. Mutant. Hiroshima. Flowers white.
197100. HORDEUM DEFICIENS Steud. Poaceae. **Deficient barley.**  
*Aizu No. 2.*
197101. HORDEUM VULGARE L. **Common barley.**  
*Aizu No. 3.*
197102. HORDEUM DEFICIENS Steud. **Deficient barley.**  
*Aizu No. 4.*
- 197103 and 197104. HORDEUM VULGARE L. **Common barley.**  
 197103. *Shizuoka Shuorokkaku.*  
 197104. *Bandai-hadaka.*
- 197105 to 197108. TRITICUM. Poaceae.  
 197105. *Triticum dicoccoides* var. *spontaneo-nigrum* × *Aegilops squarrosa* 2.  
*ABD No. 1.*
197106. *Triticum durum* var. *coerulescens* × *Aegilops squarrosa*. (1 × 2)  
*ABD No. 2.*

## 197096 to 197147.—Continued

## 197105 to 197108.—Continued

197107. *Triticum persicum* var. *stramineum* × *Acgilops squarrosa* 2.  
ABD No. 4.

197108. *Triticum persicum* var. *fuliginosum* × *Acgilops squarrosa* 2.  
ABD No. 5.

197109 to 197131. TRITICUM AESTIVUM L. Common wheat.

- |                 |  |
|-----------------|--|
| 197109. No. 3.  | 197121. No. 66.  |
| 197110. No. 4.  | 197122. No. 67.  |
| 197111. No. 8.  | 197123. No. 69.  |
| 197112. No. 9.  | 197124. No. 70.  |
| 197113. No. 10. | 197125. <i>Akasabishirazu</i> No. 1.                     |
| 197114. No. 16. | 197126. <i>Yuyakekomugi</i> .                            |
| 197115. No. 17. | 197127. <i>Mutsubenkei</i> .                             |
| 197116. No. 20. | 197128. <i>Shinchunaga</i> .                             |
| 197117. No. 24. | 197129. <i>Shirasaya</i> No. 1. ( <i>Ibaraki</i> No. 1.) |
| 197118. No. 48. | 197130. <i>Sanshukomugi</i> .                            |
| 197119. No. 50. | 197131. <i>Wasekomugi</i> .                              |
| 197120. No. 58. |  |

## 197132 to 197134. TRITICUM AESTIVUM × SECALE CEREALE.

From Fuyowo Kagawa, Kyoto University.

197132. No. 17. F3. *Sanshukochiku Zeirai* × *Petkuser*.

197133. No. 18. F6. *Suigen* No. 88 × *Petkuser*.

197134. No. 168. F8. *Suigen* No. 86 × *Petkuser*.

## 197135 to 197147. TRITICUM.

Tetrasomic selfed wheats from S. Matsumura, National Institute of Genetics.

197135. *a-gigas-a*. 50-185-15.  
 197136. *a-gigas-b*. 50-186-1.  
 197137. *b-gigas-b*. 50-187-16.  
 197138. *b-gigas-c*. 50-188-1.  
 197139. *c-gigas-a*. 50-189-29.  
 197140. *c-gigas-c*. 50-190-39.  
 197141. *d-gigas-3*. 50-191-1.  
 197142. *Dwl-15-gigas (d-gigas)-a*. 50-192-28.  
 197143. *e-gigas-1*. 50-193-7.  
 197144. *e-gigas-3*. 50-194-18.  
 197145. *f-gigas-1*. 50-195-28.  
 197146. *Dwl-6-gigas (f-gigas)-a*. 50-196-4.  
 197147. *g-gigas-1*. 50-197-2.

## 197148 to 197176.

From Guatemala and El Salvador. Seeds collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 14, 1951.

Collected in May 1951. Unless otherwise mentioned, material is from Guatemala.

## 197148 to 197176.—Continued

197148. *CANAVALIA* sp. Fabaceae.  
No. 3034. Mountains near Ahuachapán, El Salvador.
197149. *CANAVALIA* sp.  
No. 3070. Dueñas, Departamento de Guatemala.
- 197150 to 197153. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**  
From Uaxactún, Petén.
197150. No. 3089. 197152. No. 3091.  
197151. No. 3090. 197153. No. 3092.
- 197154 to 197157. From Petén.
- 197154 and 197155. *CUCURBITA MOSCHATA* Duchesne. Cucurbitaceae. **Cushaw.**
197154. No. 3077. *Ayote*. Near Flores.  
197155. No. 3078. *Ayote*. Near Flores.
- 197156 and 197157. *CUCURBITA LUNDELLIANA* Bailey.  
197156. No. 3079. *Ayote Silvestre*. Near Flores.  
197157. No. 3086. *Calabaza Silvestre*. Near Uaxactún.
197158. *ERYTHRINA* sp. Fabaceae.  
No. 3074. Dueñas, Departamento de Guatemala.
197159. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**  
No. 3085. Near Uaxactún, Petén. Fruits yellow.
197160. *PHASEOLUS ADENANTHUS* G. Meyer. Fabaceae.  
No. 3033. Near Ahuachapán, El Salvador.
197161. *PHASEOLUS ATROPURPUREUS* DC.  
No. 2871. Near Lago Ilopango, El Salvador. Semiscandent vine 6 to 10 feet long.
- 197162 to 197167. *PHASEOLUS LUNATUS* L. **Lima bean.**
197162. No. 3029. Near Ahuachapán, El Salvador.  
197163. No. 3031. Near Ahuachapán.  
197164. No. 3071. Dueñas, Departamento de Guatemala.  
197165. No. 3072. Dueñas. Indigenous type.  
197166. No. 3073. *Frijol Negrito*. Dueñas.  
197167. No. 3075. Near Galderas. Indigenous type.
- 197168 and 197169. *PHASEOLUS VULGARIS* L. **Common bean.**
197168. No. 3062. Market, Coatepeque.  
197169. No. 3063. Market, Coatepeque.
197170. *PHASEOLUS* sp.  
No. 3030. Near Ahuachapán, El Salvador.
197171. *PHASEOLUS* sp.  
No. 3032. Near Ahuachapán. A common wild bean.
- 197172 and 197173. *VIGNA LUTEOLA* (Jacq.) Benth. Fabaceae.  
197172. No. 3081. Near Flores, Petén.  
197173. No. 3082. Near Flores, Petén.
197174. *VIGNA SINENSIS* (Torner) Savi. **Cowpea.**  
No. 3080. Near Flores, Petén.

## 197148 to 197176.—Continued

197175. *VIGNA VEXILLATA* (L.) Rich.

No. 3035. Near Ahuachapán, El Salvador.

197176. *ZEA MAYS* L. Poaceae.

Corn.

No. 3064. Market, Coatepeque.

197177. *GOSSYPIUM*. Malvaceae.

Cotton.

From Turkey. Seeds obtained through Elmer Starch, Economic Cooperation Administration, Special Mission to Turkey. Received June 15, 1951.

*Yerli 193*. (Improved strain.)197178 and 197179. *DACTYLIS GLOMERATA* L. Poaceae.

Orchard grass.

From England. Seeds presented by Dunns Farm Seeds Ltd., Salisbury. Received June 15, 1951.

197178. *Glasnevin Cocksfoot*.197179. *Scotia Orchard grass*.197180 to 197189. *GLYCINE MAX* (L.) Merr. Fabaceae. Soybean.

From the Federation of Malaya. Seeds presented by the Department of Agriculture, Kuala Lumpur. Received June 15, 1951.

197180. *A 1-Otootan 12. 12.*197185. *C 26-Raub 16. 25 29.*197181. *B 3-Raub 14. 28.*197186. *D 5-Java 17. 18 2 12.*197182. *C 1-Raub 16. 1422.*197187. *D 7-Java 17. 18 11 15.*197183. *C 4-Raub 16. 1837.*197188. *E 1-Sumrong 24. 015.*197184. *C 22-Raub 16. 18 10 10.*197189. *E 3-Sumrong 24. 0111.*197190 to 197193. *CARTHAMUS TINCTORIUS* L. Asteraceae.

Safflower.

From France. Seeds presented by the Institut National de la Recherche Agronomique, Versailles. Received June 16, 1951.

197190. *Carthame des Indes*.197192. *G. N. S. O.*197191. *Carthames Schaibes*.197193. *Marcel Richard*.

## 197194 to 197198.

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 18, 1951.

197194. *CITRUS AURANTIFOLIA* (Christm.) Swingle. Rutaceae.

Lime.

No. 10231. Market, Diredawa. Fruit 1½ to 2 inches long, slightly ribbed, lemon-yellow, highly aromatic; flesh pale-green, very juicy, with mild lemon flavor.

197195. *CITRUS LIMON* (L.) Burm. f.

Lemon.

No. 10230. *Abyssinica*. Cultivated near Diredawa. Fruit pale-green, turning yellow, 1½ inches long by 1¾ inches in diameter; flesh pale-green, not very juicy.197196 to 197198. *PHOENIX DACTYLIFERA* L. Phoenicaceae.

Date.

From Arab shop, Diredawa. May 22, 1951.

197196. No. 10220. Fruit oblong, with red blush, 1¾ inches long, slightly sweet.

197197. No. 10221. Fruit cherry shape and color, medium sweet.

197198. No. 10222. Fruit cone-shaped, 1¼ inches long, very sweet.

**197199 and 197200.** *DIOSCOREA* spp. Dioscoreaceae.

From Mexico. Tubers collected by H. S. Gentry and Charles Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 18, 1951.

**197199.** *DIOSCOREA* sp.

No. 10513. One mile north of the Rio Grande de Santiago, along the Tepic-Mazatlán highway, Nayarit.

**197200.** *DIOSCOREA* sp.

No. 10517. Eight miles southeast of Esquinapa de Hidalgo, along highway to Acaponeta, Nayarit.

**197201 to 197262.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received June 18, 1951.

Collected in 1951.

**197201 and 197202.** *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

**197201.** No. 10262. Market, Addis Ababa. June 5.

**197202.** No. 10263. Market, Addis Ababa. June 5.

**197203.** *ALOE* sp. Liliaceae.

No. 9906. Dessie. Mar. 3.

**197204.** *ALYSICARPUS* sp. Fabaceae.

No. 10042. Hollata. Apr. 17.

**197205.** *ASPARAGUS* sp. Convallariaceae.

No. 10114. Twenty miles south of Addis Ababa. Apr. 24.

**197206.** *COFFEA* sp. Rubiaceae.

**Coffee.**

No. 9959. Harar. February.

**197207.** *COFFEA* sp.

No. 9973. Shashamanna, Arussi Province. March.

**197208.** *COFFEA* sp.

No. 9974. Shashamanna.

**197209.** *CRYPTOSTEGIA* sp. Asclepiadaceae.

No. 10124. Diredawa. May 7.

**197210.** *ERAGROSTIS TEF* (Zuccagni) Trotter. Poaceae.

**Teff.**

No. 9976. Shashamanna, Arussi Province. March.

**197211 to 197219.** *HORDEUM* spp. Poaceae.

**Barley.**

Collected in Harage Province in February unless otherwise noted.

**197211 to 197214.** *HORDEUM VULGARE* L.

**Common barley.**

**197211.** No. 9931. Chalanco.

**197213.** No. 9938. Arawagia.

**197212.** No. 9933. Deder.

**197214.** No. 9940. Massala.

**197215.** *HORDEUM IRREGULARE* Åberg and Wiebe.

No. 9943. Combulcha.

**197216 to 197219.** *HORDEUM VULGARE* L.

**Common barley.**

**197216.** No. 9946. Fiambiro.

**197217.** No. 9952. Grawa.

**197218.** No. 9957. Weter.

**197219.** No. 9975. Shashamanna, Arussi Province. March.

## 197201 to 197262.—Continued

197220. *MEDICAGO* sp. Fabaceae.

No. 10116. Entoto Hills. Apr. 24.

197221. *MILLETIA FERRUGINEA* (Hochst.) Baker. Fabaceae.

No. 9970. Addis Ababa, cultivated. Mar. 12. *Börrbörra*. Seeds crushed and used as a fish poison.

197222. *OLEA CHRYSOPHYLLA* Lam. Oleaceae.

No. 10105. Selale region, 45 miles south of Addis Ababa. Apr. 24.

197223 to 197227. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

From Mojo, 60 km. south of Addis Ababa. February.

197223. No. 9965. Seeds pale-brown, oblong.

197224. No. 9966. Seeds oblong, whitish-brown.

197225. No. 9967. Seeds oval, white.

197226. No. 9968. Seeds pale-brownish, red markings.

197227. No. 9969. Mixed varieties.

197228. *PHOENIX DACTYLIFERA* L. Phoenicaceae.

**Date.**

No. 10226. Diredawa. May 22.

197229 to 197235. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

197229 to 197233. Addis Ababa. Mar. 19.

197229. No. 9978. **197232.** No. 9981.

197230. No. 9979. **197233.** No. 9982.

197231. No. 9980.

197234. No. 10121. Selale region, south of Addis Ababa. Apr. 24.

197235. No. 10122. Selale region.

197236 to 197247. *SORGHUM VULGARE* Pers. Poaceae.

From Harage Province. February.

197236. No. 9927. *Mashila; Bishinga*. Carsa.

197237. No. 9929. *Mashila; Bishinga*. Collubi.

197238. No. 9930. Collubi. Mixed varieties.

197239. No. 9935. Deder. Mostly white varieties.

197240. No. 9936. Arawagia. Mixed varieties.

197241. No. 9942. Massala.

197242. No. 9945. Combulcha.

197243. No. 9947. Fiambiro. White varieties.

197244. No. 9949. Fadis. Mixed varieties.

197245. No. 9951. Courfachelli.

197246. No. 9954. Grawa. White varieties.

197247. No. 9956. Bedenno. Mixed varieties.

197248 to 197258. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

197248 to 197257. Harage Province. February.

197248. No. 9928. Collubi. **197253.** No. 9944. Combulcha.

197249. No. 9932. Chalanco. **197254.** No. 9948. Fiambiro.

197250. No. 9934. Deder. **197255.** No. 9950. Courfachelli.

197251. No. 9937. Arawagia. **197256.** No. 9955. Grawa.

197252. No. 9939. Massala. **197257.** No. 9958. Weter.

197258. No. 9972. Shashamanna, Arussi Province.

**197201 to 197262.—Continued**

- 197259 and 197260. *TRITICUM DICOCCUM* Schrank. **Emmer.**  
 Harage Province.  
 197259. No. 9941.  
 197260. No. 9953.

197261. *ZEA MAYS* L. Poaceae. **Corn.**  
 No. 9971. Shashamanna, Arussi Province.

197262. *ZEPHYRANTHES* sp. Amaryllidaceae.  
 No. 10048. Hollata, Shoa Province. Apr. 17.

**197263. IRIS** sp. Iridaceae.

From Japan. Roots presented by E. B. Coffman, Natural Resources Section, GHQ, SCAP, APO 500, c/o Postmaster, San Francisco, Calif. Received June 19, 1951.

**197264 to 197266. CYRTOSTACHYS** spp. Phoenicaceae. **Palm.**

From the Netherlands. Seeds presented by the Botanic Garden, Leiden. Received June 19, 1951.

197264. *CYRTOSTACHYS ELEGANS* Burret.  
 197265. *CYRTOSTACHYS LAKKA* Beccari.  
 197266. *CYRTOSTACHYS RENDA* Blume.

**197267 to 197269.**

From Honduras. Seeds presented by Carlos Vasquez, Tegucigalpa. Received June 20, 1951.

- 197267 and 197268. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**  
 197267. *Chinapopo*. Used for forage.  
 197268. *Chinapopo*. Mixed.

197269. *TRICHOILAENA REPENS* (Willd.) Hitchc. Poaceae. **Natal grass.**

**197270. LOLIUM PERENNE** L. Poaceae. **Perennial ryegrass.**

From Finland. Seeds presented by the Central Experiment Station of Finland, Jokioinen. Received June 22, 1951.

*Valinge Strain.*

**197271. (Undetermined.)**

From Mexico. Tubers collected by H. S. Gentry and Charles Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received June 27, 1951.

No. 10555. Market, Durango, Durango. June 6, 1951. Used in washing clothes.

**197272 to 197276.**

From India. Seeds obtained through the American Consul, Madras. Received June 28, 1951.

From the Coimbatore District, Madras.

197272. *ECHINOCHLOA CRUSGALLII* var. *FRUMENTACEA* (Roxb.) W. F. Wight. Poaceae. **Japanese millet.**

*Kudiraivali.*

197273. *PANICUM MILIACEUM* L. Poaceae. **Proso.**

*Pani Varagu.*

**197272 to 197276.—Continued**

197274. PANICUM MILIARE L.

*Samai.*

197275. PASPALUM SCROBICULATUM L. Poaceae.

*Varagu.*

197276. SETARIA ITALICA (L.) Beauv. Poaceae.

Foxtail millet.

*Korra (Tenai).***197277 to 197280. AVENA SATIVA L. Poaceae.****Oats.**

From Argentina. Seeds presented by Juan L. Tessi, Ministerio de Agricultura y Ganadería, Buenos Aires. Received July 2, 1951.

197277. *Buck Selection 212.*197279. *La Estanzuela F2 au 12.*197278. *D. L. M. 3.*197280. *La Prevision 13.***197281. SENECIO sp. Asteraceae.**

From the Union of South Africa. Seeds collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received July 2, 1951.

Pretoria, Transvaal. May 1951. A yellow-flowered climber frequently cultivated; will bloom in partial shade.

**197282 to 197284. RUBUS spp. Rosaceae.**

From Guatemala. Seeds collected by Oliver W. Norvell, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received July 2, 1951.

197282. RUBUS sp.

No. 2535. *Moro.* Chimaltenango, Chimaltenango. Mar. 4, 1951.

197283. RUBUS sp.

No. 2536. *Moro.* Chimaltenango. Semiercet, near creek. Mar. 4, 1951.

197284. RUBUS sp.

No. 2545. Near Sololá, Sololá. Mar. 5, 1951.

**197285 and 197286. SACCHARUM. Poaceae.****Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Experiment Station, Brisbane, Queensland. Received July 3, 1951.

197285. *C-278.*197286. *C-279.***197287 and 197288. SANSEVIERIA spp. Liliaceae.**

From the Union of South Africa. Roots obtained through Joseph L. Dougherty, American Embassy, Pretoria, Transvaal. Received July 3, 1951.

197287. SANSEVIERIA DESERTII N. E. Brown.

*No. 9820-8-50.*

197288. SANSEVIERIA THYRSIFLORA Thunb.

*No. 9822-6-50.***197289. MANGIFERA INDICA L. Anacardiaceae.****Mango.**

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received July 5, 1951.

No. 10219. Shop, Diredawa. May 22, 1951.

**197290. MANGIFERA INDICA L. Anacardiaceae. Mango.**

From Burma. Seed collected by Dr. O. E. White, University of Virginia, Charlottesville, Va. Received July 5, 1951.

*Ceylon.*

**197291 to 197295. PRUNUS spp. Amygdalaceae.**

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered July 6, 1951.

**197291 and 197292. PRUNUS SERRULATA Lindl. Oriental flowering cherry.**

197291. *Fukurokujū*. (B-42944).

197292. *Taizanfukun*.

**197293. PRUNUS SUBHIRTELLA Miquel. Higan cherry.**

*Jugatsuzakura*.

**197294 and 197295. PRUNUS YEDOENSIS Mats. Yoshino cherry.**

197294. *Shidare-yoshino*.

197295. (B-42945).

**197296. LINUM LEWISII Pursh. Linaceae.**

From Canada. Seeds presented by the Dominion Laboratory of Plant Pathology, Fort Garry, Manitoba. Received July 6, 1951.

**197297 and 197298.**

From the British West Indies. Bulbs presented by N. W. Simmonds, Imperial College of Tropical Agriculture, Trinidad. Received July 9, 1951.

**197297. AMARYLLIS BELLADONNA L. Amaryllidaceae.**

**197298. HYMENOCALLIS TUBIFLORA Salisb. Amaryllidaceae.**

**197299 to 197320.**

From Argentina. Seeds presented by the Instituto de Fitotecnia, Castelar. Received July 10, 1951.

**197299. AGROPYRON sp. Poaceae.**

F 1501. Received as *A. scabrifolios*, an apparently unpublished name.

**197300. ACNIDA CANNABINA L. Amaranthaceae.**

F. 13. Annual summer forage.

**197301. BRIZA TRILOBA Nees. Poaceae.**

F 835.

**197302. CHLORIS CARIBAEA Spreng. Poaceae.**

F 407.

**197303. CHLORIS ULIGINOSA Hack.**

F 427.

**197304. ELEUSINE TRISTACHYA Lam. Poaceae.**

F 492.

**197305 to 197309. HORDEUM spp. Poaceae. Barley.**

**197305. HORDEUM VULGARE L. Common barley.**

F 353. Received as *H. calipressum*, an apparently unpublished name.

**197306. HORDEUM COMPRESSUM Griseb.**

F 824.

## 197299 to 197320.—Continued

## 197305 to 197309.—Continued

197307 and 197308. *HORDEUM VULGARE* L. Common barley.

197307. F 352. Received as *H. compressachys*, an apparently unpublished name.

197308. F 06. Received as *H. hexaploideum*, an apparently unpublished name.

197309. *HORDEUM STENOSTACHYS* Godr.

F 891.

197310. *LOLIUM SUBULATUM* Vis. Poaceae.

F 1660.

197311. *PASPALUM PAUCICILIATUM* (Parodi) Herter. Poaceae.

F 9.

197312. *PASPALUM PLICATULUM* Michx.

F 452.

197313. *PHALARIS TUBEROSA* L. Poaceae.

F 1706.

197314. *POA TRIVIALIS* L. Poaceae.

F 1627.

197315. *SANGUISORBA MINOR* Scop. Rosaceae.

F 70.

197316 and 197317. *SORGHUM ALMUM* Parodi. Poaceae.

197316. F 504.

197317. F 512.

197318. *TRIFOLIUM HYBRIDUM* L. Fabaceae. Alsike clover.

F 1630.

197319. *VICIA ANDICOLA* H. B. K. Fabaceae.

F 84.

197320. *VICIA GRAMINEA* Smith.

F 86.

197321 and 197322. *LINUM USITATISSIMUM* L. Lineaceae. Flax.

From Greece. Seeds presented by the Agricultural Bank of Greece, Athens. Received July 11, 1951.

197321. From eastern Crete. Flowers blue and white.

197322. From western Crete. Flowers mauve.

197323. *FESTUCA RUBRA* L. Poaceae. Red fescue.

From Sweden. Seeds presented by Otto J. Olson & Sons, Hammenhog. Received July 11, 1951.

*Rubin.*

## 197324 to 197332.

From the Mediterranean region. Seeds collected by O. S. Aamodt, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received July 12, 1951.

197324. *ARISTIDA CAERULESCENS* Desf. Poaceae.

Marrakech, Morocco.

## 197324 to 197332.—Continued

197325. *DACTYLIS GLOMERATA* L. Poaceae. Orchard grass.  
Experiment Station, Elnos, Portugal.
197326. *HEDYSARUM CORONARIUM* L. Fabaceae. Sulla.  
Commercial type, Rome, Italy.
197327. *HYPARRHENIA HIRTA* (L.) Stapf. Poaceae.  
Near Tunis, Tunisia.
- 197328 and 197329. *MEDICAGO ARBOREA* L. Fabaceae.  
197328. Zootechnic Institute, Tunis, Tunisia.  
197329. Garden of Hotel Igiea, Palermo, Sicily.
197330. *MEDICAGO ORBICULARIS* (L.) All. Buttonclover.  
Near Kasserine, Tunisia.
197331. *PENNISETUM CILIARE* (L.) Link. Poaceae. Buffelgrass.  
Marrakech, Morocco.
197332. *STIPA TENACISSIMA* Jusl. Poaceae. Feathergrass.  
Algiers, Algeria.

197333 to 197376. *MEDICAGO* spp. Fabaceae.

From Australia. Seeds presented by the Division of Plant Industry, Department of Agriculture, Canberra. Received July 13, 1951.

- 197333 to 197335. *MEDICAGO BLANCHEANA* Boiss.  
197333. *M. Bl-3*.  
197334. *M. Bl-12812*.  
197335. *M. Bl-12813*.
- 197336 and 197337. *MEDICAGO HISPIDA* var. *CONFINIS* (Koch) Burnat.  
197336. *M. Hi-C-25*.  
197337. *M. Hi-C-86*.
- 197338 to 197341. *MEDICAGO HISPIDA* var. *RETICULATA* (Benth.) Urban.  
197338. *M. Hi-R-7*. 197340. *M. Hi-R-10*.  
197339. *M. Hi-R-9*. 197341. *M. Hi-R-11*.
- 197342 to 197344. *MEDICAGO HISPIDA* var. *TEREBELLUM* (Willd.) Urban.  
197342. *M. Hi-T-11*.  
197343. *M. Hi-T-12*.  
197344. *M. Hi-T-27*.
197345. *MEDICAGO OBSCURA* var. *HELIX* (Willd.) Urban.  
*M. Ob-H-12618*.
- 197346 and 197347. *MEDICAGO TORNATA* Mill.  
197346. *M. Ob-T-2*.  
197347. *M. Ob-T-5*.
- 197348 to 197350. *MEDICAGO ORBICULARIS* (L.) All. Buttonclover.  
197348. *M. Or-C294*.  
197349. *M. Or-12619*.  
197350. *M. Or-12746*.
197351. *MEDICAGO ORBICULARIS* var. *MARGINATA* (Willd.) Benth.  
*M. Or-M-12418*.

## 197333 to 197376.—Continued

197352 and 197353. *MEDICAGO RUGOSA* Desr.197352. *M. Ru-4.*197353. *M. Ru-5.*197354 to 197356. *MEDICAGO SCUTELLATA* (L.) Mill.197354. *M. Sc-33.*197355. *M. Sc-12535.*197356. *M. Sc-12620.*197357. *MEDICAGO SOLEIROLII* Duby.*M. So. (S3).*197358 to 197366. *MEDICAGO TRIBULOIDES* Desr.197358. *M. Trb-V29.*197363. *M. Trb-167.*197359. *M. Trb-83.*197364. *M. Trb-178.*197360. *M. Trb-112.*197365. *M. Trb-C293.*197361. *M. Trb-158.*197366. *M. Trb-358.*197362. *M. Trb-163.*197367 and 197368. *MEDICAGO TUBERCOLATA* (Retz.) Willd.197367. *M. Tu-Ag-21.*197368. *M. Tu-V-9998.*197369. *MEDICAGO TUBERCOLATA* var. *APICULATA* Urb.*M. Tu-A-N303.*197370. *MEDICAGO TUBERCOLATA* (Retz.) Willd.*M. Tu-C-12747. Chiotica.*197371. *MEDICAGO TURBINATA* var. *ACULEATA* Moris.*M. Tur-Al.*197372 to 197374. *MEDICAGO TURBINATA* var. *INERMIS* Aschers.197372. *M. Tur-I-9.*197373. *M. Tur-I-9832.*197374. *M. Tur-I-12267.*197375 and 197376. *MEDICAGO TURBINATA* var. *OLIVAEFORMIS* (Guss.)  
Aschers. & Gracbn.197375. *M. Tur-O-9833.*197376. *M. Tur-O-12229.*

## 197377 to 197388.

From Japan and Korea. Seeds presented by the Morris Arboretum, Philadelphia, Pa. Received June 6, 1951.

Unless otherwise mentioned, material is from Japan.

197377 and 197378. *LARIX LEPTOLEPIS* (Sieb. & Zucc.) Gord. Pinaceae.

Larch.

197377. NEG 918. Morioka, Iwate.

197378. NEG 919. Iwamura, Nagano.

197379. *ABIES FIRMA* Sieb. & Zucc. Pinaceae.

Fir.

NEG 920. Sendai, Miyagi.

197380. *PICEA MAXIMOWICZII* Mast. Pinaceae.

Spruce.

NEG 923. Iwamura, Nagano.

197377 to 197388.—Continued

197381 to 197387. *PINUS* spp. Pinaceae. Pine.

197381. *PINUS PARVIFLORA* Sieb. & Succ.

NEG 925. Kawauchi, Aomori.

197382 to 197384. *PINUS PUMILA* Regel.

Kucchan, Hokkaido.

197382. NEG 973.

197383. NEG 974.

197384. NEG 975.

197385. *PINUS DENSIFLORA* Sieb. & Zucc.

NEG 978. Iwamurata, Nagano.

197386. *PINUS THUNBERGII* Parl.

NEG 979. Sendai, Miyagi.

197387. *PINUS DENSIFLORA* Sieb. & Zucc. Pine.

NEG 980. From the Kwang Nun Experimental Forest, 35 km. north of Seoul, Korea.

197388. *LARIX LEPTOLEPIS* (Sieb. & Zucc.) Gord. Pinaceae. Larch.

NEG 983. From the Kwang Nun Experimental Forest, 35 km. north of Seoul, Korea.

197389. *GOSSYPIUM*. Malvaceae. Cotton.

From Arabia. Seeds obtained through the American Vice Consul, Aden. Received July 16, 1951.

197390 to 197392.

From Mexico. Collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received July 16, 1951.

197390. *DIOSCOREA* sp. Dioscoreaceae.

No. 10692. Near Compostela along highway to Mazatán. June 27, 1951. High-climbing vine with black stipular spines and prickly internodes; inflorescence spicate; leaves with an enlarged tip. (Rhizome.)

197391. *HELIOCEREUS* sp. Cactaceae.

No. 10617. 16 miles east of Palmita. (Cutting.)

197392. (Undetermined.)

No. 10555. From market, Durango, Durango. (Tubers.)

197393 to 197398. *ORYZA SATIVA* L. Poaceae. Rice.

From Japan. Seeds presented by Dr. Long Dink Cua, Kyoto University, Kyoto. Received July 17, 1951.

197393. *Asahi* (2X).

197396. *Kairyō-habutai-Mochi*.

197394. *Asahi* (4X).

197397. *Rikuu 132* (2X).

197395. *Kairyō-habutai-Mochi* (2X).

197398. *Rikuu 132* (4X).

197399 to 197503.

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received July 18, 1951.

197399. *ARACHIS HYPOGAEA* L. Fabaceae.

Peanut.

No. 10186. Market, Harar. May 19, 1951.

## 197399 to 197503.—Continued

197400. AVENA sp. Poaceae.

No. 10252. Shasamanna and Harar. 1950 and 1951. Sorted from other seeds from various markets.

197401. BRASSICA sp. Brassicaceae.

No. 10160. Market, Diredawa. May 14, 1951.

197402. BRASSICA sp.

No. 10161. Market, Diredawa. May 14, 1951.

197403. BRASSICA sp.

No. 10253. Sorted from other seeds, Dessie and Lekemti, 1951.

197404 to 197410. CAPSICUM FRUTESCENS L. Solanaceae. **Redpepper.**

197404. No. 10162. Diredawa. May 14, 1951.

197405 to 197409. Market, Harar. May 19, 20, 1951.

197405. No. 10191. 197408. No. 10211.

197406. No. 10192. 197409. No. 10212.

197407. No. 10193.

197410. No. 10257. Jimma, Bishoftu, Gondar, and other places. 1950 and 1951.

197411 to 197413. CARICA PAPAYA L. Caricaceae. **Papaya.**

197411. No. 10152. Diredawa. May 12, 1951.

197412. No. 10236. Diredawa. May 22, 1951.

197413. No. 10242. Harar. May 20, 1951.

197414. CHLORIS sp. Poaceae.

No. 10138. Diredawa. May 7, 1951.

197415. CICER ARIETINUM L. Fabaceae. **Chickpea.**

No. 10255. Various markets, 1950 and 1951.

197416. CITRULLUS VULGARIS Schrad. Cucurbitaceae. **Watermelon.**

No. 10223. Shop, Diredawa. May 22, 1951.

197417. CROTALARIA sp. Fabaceae.

No. 10145. Errer. May 9, 1951.

197418. CUCURBITA MAXIMA Duchesne. Cucurbitaceae. **Squash.**

No. 10159. Market, Diredawa. May 14, 1951.

197419 to 197422. DACTYLOCTENIUM AEGYPTIUM (L.) Richter. Poaceae.

197419. No. 10140. Diredawa. May 1, 1951.

197420. No. 10151. Errer. May 9, 1951.

197421. No. 10227a. Near Diredawa. May 22, 1951.

197422. No. 10229. Diredawa. May 23, 1951.

197423. DIGITARIA sp. Poaceae.

No. 10051. Hollata. April 17, 1951.

197424. ERAGROSTIS sp. Poaceae.

No. 10136. Diredawa. May 7, 1951.

197425. ERAGROSTIS sp.

No. 10139. Diredawa.

197426. GOSSYPIUM. Malvaceae.

**Cotton.**

No. 10198. Market, Harar. May 19, 1951.

## 197399 to 197503.—Continued

- 197427 to 197436. *HORDEUM VULGARE* L. Poaceae. Common barley.  
 197427 to 197430. Market, Diredawa.  
 197427. No. 10164. 197429. No. 10166.  
 197428. No. 10165. 197430. No. 10167.  
 197431 to 197435. Market, Harar.  
 197431. No. 10199. 197434. No. 10202.  
 197432. No. 10200. 197435. No. 10203.  
 197433. No. 10201.  
 197436. No. 10247. From various markets. 1950 and 1951.
197437. *LAGENARIA LEUCANTHA* (Duch.) Rusby. Cucurbitaceae. Calabash gourd.  
 No. 10153. Market, Diredawa. May 14, 1951.
197438. *LATHYRUS CICERA* L. Fabaceae.  
 No. 10256. Various markets. 1950 and 1951.
197439. *LOLIUM TEMULENTUM* L. Poaceae. Darnel.  
 No. 10259. Market, Harar. May 1951. Sorted from other seeds.
197440. *MEDICAGO HISPIDA* Gaertn. Fabaceae. Burclover.  
 No. 10254. Various markets. 1950 and 1951.
197441. *MORINGA OLEIFERA* L. Moringaceae.  
 No. 10144. Errer. May 9, 1951.
197442. *OCIMUM BASILICUM* L. Menthaceae. Basil.  
 No. 10126. Diredawa. May 7, 1951.
197443. *PENNISETUM CILIARE* (L.) Link. Poaceae. Buffelgrass.  
 No. 10149. Errer. May 9, 1951.
- 197444 to 197448. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.  
 Market, Harar. May 21, 1951.  
 197444. No. 10237. 197447. No. 10240.  
 197445. No. 10238. 197448. No. 10241.  
 197446. No. 10239.
- 197449 to 197454. *PISUM SATIVUM* L. Fabaceae. Pea.  
 197449 to 197453. Market, Harar. May 20, 1951.  
 197449. No. 10206. 197452. No. 10209.  
 197450. No. 10207. 197453. No. 10210.  
 197451. No. 10208.  
 197454. No. 10244. Various markets. 1950 and 1951.
- 197455 to 197457. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.  
 197455. No. 10163. Market, Diredawa. May 25, 1951.  
 197456. No. 10213. Market, Harar. May 20, 1951.  
 197457. No. 10233. Market, Harar. May 20, 1951.
197458. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.  
 No. 10194. Market, Harar. May 19, 1951.

## 197399 to 197503.—Continued

197459 to 197469. *SORGHUM VULGARE* Pers. Poaceae.

197459 to 197462. Market, Diredawa. May 14, 1951.

197459. No. 10155. 197461. No. 10157.

197460. No. 10156. 197462. No. 10158.

197463 to 197467. Market, Harar. May 20, 1951.

*Machila.*

197463. No. 10214. 197466. No. 10217.

197464. No. 10215. 197467. No. 10218.

197465. No. 10216.

197468. No. 10250. Various markets; mixed varieties. 1950, 1951.

197469. No. 10251. Various markets; white varieties. 1950, 1951.

197470. *TRAGUS RACEMOSUS* (L.) All. Poaceae.

No. 10135. Diredawa. May 7, 1951.

197471. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae.

**Fenugreek.**

No. 10258. Various markets. 1950, 1951.

197472 to 197480. *TRITICUM AESTIVUM* L. Poaceae.

**Common wheat.**

197472 to 197476. Market, Diredawa. May 14, 1951.

197472. No. 10168. 197475. No. 10171.

197473. No. 10169. 197476. No. 10172.

197474. No. 10170.

197477 to 197480. Market, Harar. May 20, 1951.

197477. No. 10195. 197479. No. 10197.

197478. No. 10196. 197480. No. 10198.

197481 to 197496. *TRITICUM DICOCUM* Schrank.

**Emmer.**

197481 to 197495. Market, Harar. May 19, 1951.

197481. No. 10174. 197489. No. 10182.

197482. No. 10175. 197490. No. 10183.

197483. No. 10176. 197491. No. 10184.

197484. No. 10177. 197492. No. 10185.

197485. No. 10178. 197493. No. 10188.

197486. No. 10179. 197494. No. 10189.

197487. No. 10180. 197495. No. 10190.

197488. No. 10181.

197496. No. 10246. Various markets. 1950, 1951.

197497. *TRITICUM* sp.

No. 19249. Various markets. 1950, 1951.

197498. *TRITICUM* sp.

No. 10173. Market, Harar. May 19, 1951.

197499 to 197501. *VICIA FABA* L. Fabaceae.

**Broadbean.**

197499. No. 10204. Market, Harar. May 20, 1951.

197500. No. 10205. Market, Harar. May 20, 1951.

197501. No. 10245. Various markets. 1950, 1951.

**197399 to 197503.—Continued**

197502 and 197503. *ZEA MAYS* L. Poaceae.

Corn.

197502. No. 10154. Market, Diredawa. May 14, 1951.

197503. No. 19243. Various markets. 1950, 1951.

**197504 to 197506. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From Australia. Tubers presented by N. S. Shirlow, Department of Agriculture, Sydney, New South Wales. Received July 19, 1951.

197504. *Factor*.

197505. *Monak*.

197506. *Moona*.

**197507 to 197518.**

From Mexico. Plants collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received July 19, 1951.

197507. *BRASSAVOLA CUCULLATA* R. Br. Orchidaceae.

No. 10654. Tepic, Nayarit.

197508. (Undetermined.)

No. 10634. El Batel, Sinaloa.

197509. (Undetermined.)

No. 10633. El Batel, Sinaloa.

197510. *EPIDENDRUM* sp. Orchidaceae.

No. 10632. Durango City, Durango.

197511. *ODONTOGLOSSUM* sp. Orchidaceae.

No. 10631. El Batel, Sinaloa.

197512. *EPIDENDRUM ADENOCARPON* LaLlave & Lex. Orchidaceae.

No. 10711. West of Mazatán, Chiapas.

197513. (Undetermined.)

No. 10659. Tepic, Nayarit.

197514. *ONCIDIUM OESTLUNDIANUM* L. O. Williams. Orchidaceae.

No. 10722. West of Mazatán, Chiapas.

197515. (Undetermined.)

No. 10723. West of Mazatán, Chiapas.

197516. *GRAPTOPETALUM* sp. Crassulaceae.

No. 10622. Palmita, Sinaloa.

197517. *PITCAIRNIA* sp. Bromeliaceae.

No. 10625. Durango City, Durango.

197518. (Undetermined.)

No. 10617. Yerbanis, Durango.

**197519 to 197523. DIOSCOREA spp. Dioscoreaceae.**

From Mexico. Tubers collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received July 20, 1951.

197519. *DIOSCOREA* sp.

No. 10646. Rio Santiago, near Acaponeta highway, Nayarit. June 22, 1951.

## 197519 to 197523.—Continued

197520. DIOSCOREA sp.

No. 10678. Southwest of Tepic, Nayarit. June 24, 1951.

197521. DIOSCOREA sp.

No. 10688. San Bernardo, Sonora. June 10, 1951.

197522. DIOSCOREA sp.

No. 10693. West of Compostela, Nayarit. June 27, 1951.

197523. DIOSCOREA sp.

No. 10720. West of Mazatán, Chiapas. June 30, 1951.

## 197524 to 197533.

From Algeria. Seeds presented by the Service de l'Experimentation Agricole, Maison-Carrée, Algiers. Received July 20, 1951.

197524. LYGEUM SPARTUM Loefl. Poaceae.

197525. MEDICAGO CILIARIS (L.) All. Fabaceae.

197526 and 197527. MEDICAGO HISPIDA Gaertn. **Burclover.**

197526. No data.

197527. Received as var. *lappacea*, an apparently unpublished name.

197528. MEDICAGO HISPIDA var. DENTICULATA (Willd.) Urban.

197529. MEDICAGO ORBICULARIS (L.) All. **Buttonclover.**

197530. MEDICAGO TORNATA Mill.

197531. MEDICAGO TRIBULOIDES Desr.

197532. MEDICAGO SATIVA var. TUNETANA Murb.

197533. STIPA TENACISSIMA Jusl. Poaceae. **Feathergrass.**

## 197534 to 197536.

From Ethiopia. Seeds collected by W. A. Archer, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering. Received July 20, 1951.

197534. COELACHYRUM STOLONIFERUM C. E. Hubb. Poaceae.

No. 10150. Errer. May 9, 1951.

197535. GREVILLEA ROBUSTA A. Cunn. Proteaceae. **Silk-oak.**

No. 10234. Harar. May 20, 1951.

197536. JACARANDA MIMOSIFOLIA D. Don. Bignoniaceae.

No. 10235. Harar. May 20, 1951.

## 197537. FURCRAEA sp. Amaryllidaceae.

From Mexico. Bulbs collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering. July 20, 1951.

No. 10681. Jalcocotán, Nayarit.

197538. CORCHORUS CAPSULARIS L. Tiliaceae. **Jute.**

From Formosa. Seeds presented by Nelson H. Fritz, J. G. White Engineering Corporation, Taipei. Received July 20, 1951.

197539 and 197540. ORYZA SATIVA L. Poaceae. **Rice.**

From India. Seeds presented by the Director of Agriculture, Calcutta, Bengal. Received July 20, 1951.

197539. *Patni 23.*197540. *S. R. 26 B.*

**197541. DIOSCOREA sp. Dioscoreaceae.**

From Mexico. Cuttings collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received July 20, 1951.

No. 10868. Twenty-four miles south of Tepic, along highway to Guadalajara.

**197542 to 197548. SORGHUM VULGARE Pers. Poaceae.**

From Algeria. Seeds presented by the Service de l'Experimentation Agricole, Maison-Carrée, Algiers. Received July 23, 1951.

197542. *Sucre Drome*. 197546. *Orange Nero 526*.

197543. *Bechne, Kabylie*. 197547. *10.685—525*.

197544. *Bechne, Isserville*. 197548. *42.126—524*.

197545. *Dari*.

**197549 to 197559.**

From Australia. Seeds presented by Dr. William Hartley, Commonwealth Scientific Industrial Research Organization, Canberra. Received July 23, 1951.

197549. *DESMODIUM BARBATUM* (L.) Benth. Fabaceae.

C.P.I. 11791. Originally from Brazil.

197550. *DESMODIUM CANUM* (Gmel.) Schinz & Thell.

C.P.I. 11796. Originally from Argentina.

197551 and 197552. *DESMODIUM UNCINATUM* (Jacq.) DC.

197551. C.P.I. 11740. Originally from Hawaii.

197552. C.P.I. 11741. Originally from Hawaii.

197553. *INDIGOFERA PARODIANA* Burkart. Fabaceae.

C.P.I. 11807. Originally from Argentina.

197554 and 197555. *STYLOSANTHES BOJERI* Vog. Fabaceae.

197554. C.P.I. 5630. Australia.

197555. C.P.I. 10983. Originally from Tanganyika.

197556. *STYLOSANTHES GRACILIS* H.B.K.

C.P.I. 6058. Originally from Hawaii.

197557. *STYLOSANTHES GRACILIS* var. *SUBVISCOSA* (Benth.) Burkart.

C.P.I. 11491. Originally from Argentina.

197558 and 197559. *STYLOSANTHES GRACILIS* H.B.K.

197558. C.P.I. 11493. Originally from Paraguay.

197559. C.P.I. 11849. Originally from Paraguay.

**197560. COFFEA sp. Rubiaceae. Coffee.**

From Uganda. Seeds presented by the Agricultural Research Station, Kampala. Received July 11, 1951.

A highly resistant *arabica* type originally collected at Barbuk on the Boma Plateau, Anglo-Egyptian Sudan, in 1941. A heavy bearer.

**197561. COFFEA sp. Rubiaceae. Coffee.**

From Kenya. Seeds presented by the Coffee Research Station, Ruiru. Received July 24, 1951.

*Arabica-Coorg*.

**197562 to 197564.**

From Mexico. Collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received July 24, 1951.

197562. *DIOSCOREA* sp. Dioscoreaceae.

No. 10828. Nayarit. July 11, 1951. (Root.)

197563. *DIOSCOREA* sp.

No. 10851. Nayarit. July 11, 1951. (Tubers.)

197564. *CACTUS* sp. Cactaceae.

No. 10738. Nayarit. July 4, 1951. (Plants.)

**197565 and 197566. HORDEUM VULGARE L. Poaceae.**

**Common barley.**

From Germany. Seeds presented by the Institut für Kulturpflanzenforschung, Gatersleben. Received July 24, 1951.

197565. *Mahndorfer Hanna*. An improved variety.

197566. *Mittlauer Hanna*.

**197567 and 197568.**

From Mexico. Collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received July 24, 1951.

197567. *ATTALEA COHUNE* Mart. Phoenicaceae.

**Cohune palm.**

No. 10515. *Guacayule*. Along Tepic-Mazatlán highway. May 26, 1951. (Seeds.)

197568. *DIOSCOREA* sp. Dioscoreaceae.

No. 10857. Nayarit. (Roots.)

**197569 to 197573.**

From Italy. Seeds presented by the Giardino Botanico e Coloniale, Palermo. Received July 24, 1951.

197569. *AGROPYRON PANORMITANUM* Parl. Poaceae.

197570. *BROMUS RIGIDUS* Roth. Poaceae.

197571. *BROMUS RUBENS* L.

197572. *LACTUCA SERRIOLA* L. Cichoriaceae.

197573. *SANSEVIERIA THYRSIFLORA* Thunb. Liliaceae.

**197574. LUPINUS LUTEUS L. Fabaceae. European yellow lupine.**

From Australia. Seeds presented by Dr. William Hartley, Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 24, 1951.

**197575 to 197601.**

From Mexico. Collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received July 25, 1951.

From the State of Nayarit.

197575. *DIOSCOREA CONVULVULACEA* Cham. & Schl. Dioscoreaceae.

No. 10819. (Tubers.)

197576. *DIOSCOREA* sp.

No. 10829. (Tubers.)

## 197575 to 197601.—Continued

197577. *DIOSCOREA* sp.  
No. 10852. (Tubers.)
197578. *DIOSCOREA CONVOLVULACEA* Cham. & Schl.  
No. 10854. (Tubers.)
197579. *HYMENOCALLIS LITTORALIS* Salisb. Amaryllidaceae.  
No. 10764. Mazatán. (Bulbs.)
197580. *HYMENOCALLIS* sp.  
No. 10772. Compostela. (Bulbs.)
197581. *HYMENOCALLIS LITTORALIS* Salisb.  
No. 10813. Jalisco. (Bulbs.)
197582. *HYMENOCALLIS* sp.  
No. 10843. Near Compostela. (Bulbs.)
197583. *HYMENOCALLIS LITTORALIS* Salisb.  
No. 10856. Mazatán. (Bulbs.)
197584. *ONCIDIUM* sp. Orchidaceae.  
No. 10832. Jalcocotán. (Plant.)
- 197585 to 197591. A collection of orchid plants.  
197585. (Undetermined.)  
No. 10735. Jalcocotán.
197586. (Undetermined.)  
No. 10736. Jalcocotán.
197587. (Undetermined.)  
No. 10737. Jalcocotán.
197588. *LAELIA RUBESCENS* Lindl. Orchidaceae.  
No. 10778. Mazatán.
197589. *CATTELEYA AURANTIACA* P.N. Don. Orchidaceae.  
No. 10779. Mazatán.
197590. (Undetermined.)  
No. 10784. Jalisco.
197591. *EPIDENDRUM NEMORALE* Lindl. Orchidaceae.  
No. 10804. Jalisco.
197592. (Undetermined.)  
No. 10825. Jalisco. (Plant.)
- 197593 to 197601. A collection of orchid plants from Jalcocotán.  
197593. (Undetermined.)  
No. 10833.
197594. (Undetermined.)  
No. 10834.
197595. (Undetermined.)  
No. 10835.
197596. (Undetermined.)  
No. 10836.

**197575 to 197601.**—Continued

197593 to 197601.—Continued

197597. (Undetermined.)

No. 10840.

197598. (Undetermined.)

No. 10841.

197599. (Undetermined.)

No. 10842.

197600. (Undetermined.)

No. 10845.

197601. (Undetermined.)

No. 10846.

**197602. VICIA ATROPURPUREA Desf. Fabaceae. Purple vetch.**

From Algeria. Seeds presented by the Inspection Generale de L'Agriculture, Maison-Carrée. Received July 27, 1951.

**197603. LATHYRUS CLYMENUM L. Fabaceae.**

From Malta. Seeds presented by the Argotti Botanical Gardens, Floriana. Received July 27, 1951.

**197604 to 197609. DIOSCOREA spp. Dioscoreaceae.**

From Mexico and Guatemala. Seeds presented by Temple Clayton, Bloomfield, N. J. Received July 27, 1951.

From southern Mexico unless otherwise indicated.

197604. DIOSCOREA sp.

No. 15. Near Tapantepec. Altitude 700 feet.

197605. DIOSCOREA sp.

No. 16. Oaxaca.

197606. DIOSCOREA sp.

No. 17. Finca El Salto, south of Escuintla, Guatemala.

197607. DIOSCOREA sp.

No. 23. Eastern end of Lake Catemaco.

197608. DIOSCOREA sp.

No. 1079. Tierra Blanca.

197609. DIOSCOREA sp.

No. 1085. Tierra Blanca.

**197610 to 197613. ORYZA SATIVA L. Poaceae. Rice.**

From India. Seeds presented by the American Embassy, New Delhi. Received July 27, 1951.

197610. *N. 10-B.*197612. *T-3.*197611. *N. 12.*197613. *T-9.***197614. HORDEUM sp. Poaceae. Barley.**

From Canada. Seeds presented by the Department of Plant Science, University of Alberta, Edmonton, Alberta. Received July 27, 1951.

*Floya.*

**197615 and 197616.**

From Germany. Seeds presented by J.G.A. Hertslet, Frankfurt. Received July 27, 1951.

197615. HORDEUM sp. Poaceae. **Barley.**

Planted in autumn and spring.

197616. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**

*Kanadier Winter Weizen.*

**197617 to 197634. HORDEUM spp. Poaceae. **Barley.****

From Germany. Seeds presented by William Rudolf, Max Planck Institute, Hannover. Received July 27, 1951.

197617 to 197622. HORDEUM DISTICHON L.

Spring type.

197617. *Haisa.* 197620. *Weihenstephaner II.*

197618. *Jsaria.* 197621. *2233/47.*

197619. *Schliephaks.* 197622. *4540/48.*

197623 to 197634. Winter type.

197623. HORDEUM DISTICHON L.

*Carstens.*

197624 to 197626. HORDEUM VULGARE L. **Common barley.**

197624. *Domina.*

197625. *Friedrichswerther Berg.*

197626. *Peragis.*

197627. HORDEUM DISTICHON L.

*Tschermacks.*

197628 to 197630. HORDEUM VULGARE L. **Common barley.**

197628. *562/46.*

197629. *579/46.*

197630. *1144/48.*

197631. HORDEUM sp.

*4574/41.*

197632 to 197634. HORDEUM VULGARE L. **Common barley.**

197632. *4692/41.*

197633. *1688/44.*

197634. *5031/41.*

**197635 to 197642.**

From the Netherlands. Seeds presented by the Instituut voor Veredeling van Landbouwgewassen, Wageningen. Received July 27, 1951.

197635 and 197636. AVENA SATIVA L. Poaceae. **Oats.**

197635. *Expres.*

197636. *Libertas.*

197637. HORDEUM sp. Poaceae. **Barley.**

*Vindicat.*

## 197635 to 197642.—Continued

197638 to 197642. TRITICUM AESTIVUM L. Poaceae. Common wheat.

197638. *Alba*. 197641. *Sharing*.

197639. *Elisabeth*. 197642. *Titan*.

197640. *Juliana*.

197643. AVENA SATIVA L. Poaceae. Oats.

From Scotland. Seeds presented by an unknown donor. Received July 27, 1951.

White oats.

197644. AVENA SATIVA L. Poaceae. Oats.

From Sweden. Seeds presented by the Svalöf Experiment Station, Svalöf. Received July 27, 1951.

*Sol LI*.

197645 to 197648. AVENA SATIVA L. Poaceae. Oats.

From France. Seeds presented by R. Mayer, Versailles. Received July 27, 1951.

197645. *Bagnols Hybride 50*. 197647. *Multigrap*.

197646. *Montferrandaise*. 197648. *Noine Precoce de Noisy*.

## 197649 to 197659.

From Sweden. Seeds presented by W. Weibull, Landskrona. Received July 27, 1951.

197649 to 197652. AVENA SATIVA L. Poaceae. Oats.

197649. *Argus Black*. 197651. *Bambu II*.

197650. *Bambu*. 197652. *Trio*.

197653 and 197654. HORDEUM DISTICHON L. Poaceae. Barley.

197653. *Drake*.

197654. *Stallar*.

197655 to 197659. TRITICUM AESTIVUM L. Poaceae. Common wheat.

197655. *Arons* (Spring wheat.) 197658. *Eroica* (Winter wheat.)

197656. *Aros* (Winter wheat.) 197659. *Virtus*.

197657. *Eroica II* (Winter wheat.)

197660. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Brazil. Seeds presented by P. A. Goncalves, Rio Grande do Sul. Received July 30, 1951.

*Lageadinho*.

197661. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From England. Seeds presented by an unknown donor. Received July 30, 1951.

*Bursee*. Grown on Russett Farm; originally from France.

197662. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Guatemala. Seeds presented by an unknown donor. Received July 30, 1951.

Collected at San Mateo Ixtatán, Departamento de Huehuetenango, near border of the State of Chiapas, Mexico.

**197663 and 197664. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Argentina. Seeds presented by Dr. José Valega, Ministerio de Agricultura y Ganadería de la Nación, Castelar. Received July 31, 1951.

197663. *I.F. Castelar 49. 4131, L-103.*

197664. *Thatcher × (La Est. × R6); Thatcher × L-104.*

**197665. MANGIFERA INDICA L. Anacardiaceae.****Mango.**

From India. Seeds presented by the College of Agriculture, Poona, Bombay. Received July 30, 1951.

Small-fruited variety from Pachmarhi.

**197666 to 197700.**

From Mexico. Seeds presented by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received July 30, 1951.

197666. *ARISTOLOCHIA* sp. Aristolochiaceae.

No. 10512. Rio Grande de Santiago, Nayarit.

197667. *BEGONIA* sp. Begoniaceae.

No. 10446. Uruapan, Michoacán.

197668. *BOMBAX* sp.

No. 10478. Plan de Barrancas, Jalisco.

197669. *BRICKELLIA SPINULOSA* A. Gray. Asteraceae.

No. 10565. Sierra de Papantón, Zacatecas.

197670. *CANAVALIA* sp. Fabaceae.

No. 10433. Santiago de Tuxtla, Veracruz.

197671. *CUCURBITA PEPO* var. *OVIFERA* (L.) Alef. Cucurbitaceae.

No. 10511. Near Rio Grande de Santiago on Tepic-Mazatlán highway. A climbing vine; fruits varying from globose to ellipsoid, streaked green and yellow, 7.5 cm. in diameter. May 26, 1951.

197672. *CYRTOCARPA* sp. Anacardiaceae.

No. 10452. Uruapan, Michoacán.

197673. *DIPHYSA* sp. Fabaceae.

No. 10451. Apatzingán, Michoacán.

197674. *ERYTHRINA HERBACEA* L. Fabaceae.

**Coral tree.**

No. 10717. Mazatán.

197675. *FIGUS* sp. Moraceae.

No. 10421. Santiago de Tuxtla, Veracruz.

197676. *GOSSYPIUM* sp. Malvaceae.

No. 10450. Cañon del Marques, between Uruapan and Apatzingán, Michoacán.

197677. *ECHEVERIA* sp. Crassulaceae.

No. 10622. Palmita, Sinaloa.

197678. *MANFREDA* sp. Amaryllidaceae.

No. 10497. Jalcocotán, Nayarit.

197679. *MARTYNIA* sp. Martyniaceae.

No. 10456. From Cañon del Marques, Michoacán.

## 197666 to 197700.—Continued

197680. *NICANDRA PHYSALODES* (L.) Gaertn. Solanaceae.

No. 10638. Santa Lucia, Sinaloa.

197681. *PACHYRHIZUS* sp. Fabaceae.

No. 10491. Jalcocotán, Nayarit.

197682. *PLATYMISCIUM* sp. Fabaceae.

No. 10686. Jalcocotán, Nayarit.

197683 to 197690. *PHASEOLUS VULGARIS* L. Fabaceae.

197683 to 197688. From market, Uruapan, Michoacán. May 10, 1951.

197683. No. 10437. *Frijol Higerillo*.

197684. No. 10438. *Frijol Chicharo*.

197685. No. 10439. *Frijol Altano*.

197686. No. 10440. *Frijol De Pascareno*.

197687. No. 10441. *Frijol Amorano*.

197688. No. 10442. *Frijol Moreno*.

197689. No. 10508. *Frijol Asufrado*. Market, Tepic, Nayarit.

197690. No. 10510. *Frijol Cuaranteno*. Market, Tepic, Nayarit.

197691. *PHYSALIS* sp. Solanaceae.

No. 10405. *Tomate de Hoja*. From market, Córdoba, Veracruz. April 26, 1951.

197692. *PHYSALIS* sp.

No. 10436. *Tomate Milpero*. Market, Uruapan, Michoacán. May 10, 1951.

197693. *PHYSALIS* sp.

No. 10457. Cañon del Marques, Michoacán.

197694. *PHYSALIS NICANDROIDES* Schlecht.

No. 10463. Between Sahuayo and Cojumatlán, Michoacán. May 15, 1951.

197695. *PHYSALIS* sp.

No. 10556. Durango City, Durango.

197696. *SALVIA* sp. Menthaceae.

No. 10527. Palmita, Sinaloa.

197697. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

No. 10563. Ranchito Cruz de Granada near Nombre de Dios, Durango. 1951. A mixture of two varieties, *Trigo Colorado* and *Trigo Barbelillo*.

197698 to 197700. *ZEA MAYS* L. Poaceae.

Corn.

197698. No. 10434. Market, Uruapan, Michoacán. May 10, 1951. *Maiz Argentina*.

197699. No. 10435. Market, Uruapan, Michoacán. May 10, 1951. *Maiz Ancha*.

197700. No. 10509. Market, Tepic, Nayarit. May 26, 1951. *Maiz del Rio*.

197701 to 197711. *AVENA SATIVA* L. Poaceae.

Oats.

From Germany. Seeds presented by the Bayerische Landessaatzuchtanstalt, Weihenstephan b/Freising. Received July 31, 1951.

197701. *Doerflers*.

197703. *Endress Weiss*.

197702. *Ebstorfer Braun*.

197704. *Engelens Ingo*.

197701 to 197711.—Continued

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|-----------------------------------|--|
| 197705. <i>Fichtelgebirgs II.</i> | 197709. <i>Flamingstreuc.</i>                      |
| 197706. <i>Firlbeck I.</i>        | 197710. <i>Mauerner Weiss.</i>                     |
| 197707. <i>Firlbeck II.</i>       | 197711. <i>Von Pfettens Weihenstephaner Weiss.</i> |
| 197708. <i>Flamingsgold.</i>      |  |

197712 to 197714.

From Mexico. Tubers collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Aug. 2, 1951.

197712. DIOSCOREA sp. Dioscoreaceae.  
 No. 10869. South of Tepic, Nayarit, along highway to Guadalajara. July 16, 1951.
197713. MANFREDA sp. Amaryllidaceae.  
 No. 10887. Guadalajara, Jalisco. July 19, 1951.
197714. MANFREDA sp.  
 No. 10872. South of Tepic, Nayarit, along highway to Guadalajara. July 16, 1951.

197715. STROPHANTHUS sp. Apocynaceae.

From Angola. Seeds presented by G. M. Ebanga. Received Aug. 3, 1951.

197716 to 197737.

From Sweden. Seeds presented by the Sveriges Utsädesförenings, Svalöf. Received Aug. 8, 1951.

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|---|-----------------------------------|
| 197716 to 197724. AVENA SATIVA L. Poaceae.      | Oats.                             |
| 197716. <i>Blandahavre.</i>                     | 197721. <i>Sagsrhavre.</i>        |
| 197717. <i>Eetra Kloekhavre.</i>                | 197722. <i>Samchavre.</i>         |
| 197718. <i>Guldrsgnshavre II.</i>               | 197723. <i>Solkhavre II.</i>      |
| 197719. <i>Orianhavre III.</i>                  | 197724. <i>Stormogulhavre II.</i> |
| 197720. <i>Onhavre.</i>                         |                                   |
| 197725 to 197727. HORDEUM spp. Poaceae.         | Barley.                           |
| 197725 and 197726. HORDEUM VULGARE L.           | Common barley.                    |
| 197725. <i>Briokorn.</i>                        |                                   |
| 197726. <i>Radskorn.</i>                        |                                   |
| 197727. HORDEUM DISTICHON L.                    |                                   |
| <i>Svanhalskorn.</i>                            |                                   |
| 197728 and 197729. SECALE CEREALE L. Poaceae.   | Rye.                              |
| 197728. <i>Kungsrag II.</i>                     |                                   |
| 197729. <i>Petkuservarrag.</i>                  |                                   |
| 197730 to 197737. TRITICUM AESTIVUM L. Poaceae. | Common wheat.                     |
| 197730. <i>Ella.</i>                            | 197734. <i>Progress.</i>          |
| 197731. <i>Fzlgia.</i>                          | 197735. <i>Rival.</i>             |
| 197732. <i>Odm</i> (Winter wheat.)              | 197736. <i>Robur.</i>             |
| 197733. <i>Parl II</i> (Winter wheat.)          | 197737. <i>Skandiavata III.</i>   |

197738. POLYGONUM BISTORTOIDES Pursh. Polygonaceae.

From Wyoming. Seeds collected by Walter H. Hodge, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Aug. 7, 1951.

SW-193. From Moran.

**197739. SIDEROXYLON sp. Sapotaceae.**

From Mexico. Seeds collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Aug. 7, 1951.

No. 10763. *Chico; Tempisque*. West of Compostela, Nayarit. July 16, 1951. Large tree, up to 65 feet high, with very sweet, yellow, plumlike fruits.

**197740. ZEA MAYS L. Poaceae. Corn.**

From the Hawaiian Islands. Seeds presented by the Hawaiian Sugar Planters' Association, Honolulu. Received Aug. 7, 1951.

No. 4229. *Hawaiian Sugar*.

**197741. TRIFOLIUM ISTHMOCARPUM Brot. Fabaceae.**

From Tunisia. Seeds presented by the Service Botanique, Ariana. Received Aug. 7, 1951.

**197742. PENNISETUM PURPUREUM Schumach. Poaceae.**

From French Equatorial Africa. Seeds presented by S. B. Coles, Pointe-Noire. Received Aug. 7, 1951.

**197743. MEDICAGO LUPULINA L. Fabaceae. Black medic.**

From England. Seeds presented by Dunns Farm Seeds, Ltd., Salisbury. Received Aug. 8, 1951.

*Dunns English Trefoil*.

**197744 to 197746. DIOSCOREA spp. Dioscoreaceae.**

From Mexico. Collected by Charles L. Gilly and Efraim Hernandez X., Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Aug. 8, 1951.

197744. *DIOSCOREA* sp.

No. 7022. Guerrero. Aug. 1, 1951. (Cuttings.)

197745. *DIOSCOREA* sp.

No. 7001. Morelos. July 31, 1951. (Cuttings.)

197746. *DIOSCOREA REMOTIFLORA* Kunth.

No. 7002. Morelos. July 31, 1951. (Roots.)

**197747. VERATRUM CALIFORNICUM Durand. Liliaceae.**

From Colorado. Rhizomes collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Aug. 10, 1951.

SW 192. Seventeen miles north of Durango, on Silverton road. Aug. 28, 1951. Plants up to 4 feet high.

**197748 and 197749.**

From the Union of South Africa. Seeds presented by J. Leslie Parkhouse, Wonderhoogte Farm and Nursery, Utrecht, Natal. Received Aug. 10, 1951.

197748. *CRASSULA* sp. Crassulaceae.

197749. *PHRAGMITES COMMUNIS* Trin. Poaceae. Common reed.

**197750 to 197753. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From India. Tubers presented by the Central Potato Research Institute, Patna. Received Aug. 13, 1951.

197750. *Darjeeling Red*.

197752. *Phulwa*.

197751. *Gola*.

197753. *Satha*.

**197754 and 197755. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Denmark. Seeds presented by the Plant Breeding Station, Otoftegaard, Taastrup. Received Aug. 13, 1951.

197754. *Otofte 56/45*. (Winter wheat.)

197755. *Otofte 61/45*. (Winter wheat.)

**197756. RHODODENDRON PRUNIFOLIUM (Small) Millais. Ericaceae.**

From Georgia. Plants collected by C. O. Erlanson, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Numbered Aug. 13, 1951.

No. 727. Rome. May 1936.

**197757 to 197777. SOLANUM spp. Solanaceae.**

From Canada. Seeds received at the Inter-regional Cooperative Potato Station, Sturgeon Bay, Wis., from Leo Dionne, New Brunswick. Numbered Aug. 13, 1951.

197757. *SOLANUM ANDIGENUM* Juz. & Buk.

*Collareja (E.P.C. 143)*, selfed.

197758 and 197759. *SOLANUM CHACOENSE* Bitter.

197758. Selfed seeds of clone-producing commercial-size tubers in field.

197759. *Form 4n, Clone II*, selfed.

197760. *SOLANUM COMMERSONII* Dunal.

Open-pollinated.

197761 to 197777. *SOLANUM*.

197761. *Solanum rybinii* var. *bogotense* × (var. *bogotense* × var. *popayanum*).

197762. (*Solanum rybinii* var. *bogotense* × *popayanum*) × (var. *bogotense* × var. *popayanum*).

197763 to 197777. *Solanum tuberosum* *Epicure* × 4n *S. chacoense*.

197763. *XA-1*.

197771. *XA-35*.

197764. *XA-3*.

197772. *XA-40*.

197765. *XA-5*.

197773. *XA-41*.

197766. *XA-13*.

197774. *XA-42*.

197767. *XA-17*.

197775. *XA-44*.

197768. *XA-20*.

197776. *XA-47*.

197769. *XA-21*.

197777. *XW-3*.

197770. *XA-31*.

**197778 to 197785. DIOSCOREA spp. Dioscoreaceae.**

From Mexico. Tubers collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Aug. 13, 1951.

From near Autlán, Jalisco. July 24, 1951.

197778. *DIOSCOREA* sp.

No. 10977.

197779. *DIOSCOREA* sp.

No. 10963.

197780. *DIOSCOREA NELSONII* Uline.

No. 11002.

## 197778 to 197785.—Continued

197781. DIOSCOREA sp.  
No. 10962.  
197782. DIOSCOREA sp.  
No. 10966.  
197783. DIOSCOREA sp.  
No. 11001.  
197784. DIOSCOREA sp.  
No. 11009.  
197785. DIOSCOREA sp.  
No. 11010.

## 197786. ZOYSIA TENUIFOLIA Willd. Poaceae.

From Japan. Plant presented by Albert F. Sanders, Agricultural Advisor, GHQ, United States Army, Tokyo. Received Aug. 14, 1951.

*Koria-Shiba.*

## 197787 to 197798. AVENA SATIVA L. Poaceae. Oats.

From Australia. Seeds presented by N. S. Shirlow, Department of Agriculture, Sydney, New South Wales. Received Aug. 16, 1951.

- |               |                              |
|---------------|------------------------------|
| 197787. 2202. | 197793. 2295.                |
| 197788. 2206. | 197794. 2296.                |
| 197789. 2207. | 197795. 2298.                |
| 197790. 2208. | 197796. Dale.                |
| 197791. 2250. | 197797. V. R. A. F. W.-3699. |
| 197792. 2256. | 197798. V. R. A. F. W.-3774. |

## 197799 to 197805. SACCHARUM. Poaceae. Sugarcane.

From the Hawaiian Islands. Cuttings presented by the Hawaiian Sugar Planters' Association, Honolulu. Received Aug. 17, 1951.

197799. *Lahaina.*  
197800. *Sumatra.*  
197801. 39-5803; 32-1210 × 35-1066.  
197802. 44-394; H109 × *S. narenga.*  
197803. 38-6233 32-9624 × *Sorghum halepense.*  
197804. 47-5641; 32-8560 × *unknown.*  
197805. 41-3340; 32-8560 × 32-6705.

## 197806 to 197821. MEDICAGO SCUTELLATA (L.) Mill. Fabaceae.

From Australia. Seeds presented by Dr. William Hartley, Division of Plant Industry, Canberra, A. C. T. Received Aug. 17, 1951.

Localities given are the original sources.

197806. 21. Merredin, Western Australia.  
197807. 22. Origin unknown.  
197808. 23. Crawley, Western Australia.  
197809. 25. Netherlands.  
197810. Lawes, Queensland.  
197811. Lawes, Queensland.

## 197806 to 197821.—Continued

197812. Portugal.

197813. Malta.

197814. Origin unknown.

197815 to 197818. California.

197815. N-242.

197817. N-245.

197816. N-243.

197818. N-320.

197819. C.P.I. 13265. Paris, France.

197820. C.P.I. 12509. Barcelona, Spain.

197821. C.P.I. 12859. Cyprus.

## 197822. MENTHA PULEGIUM L. Menthaceae.

From Tunisia. Seeds presented by the Service Botanique, Ariana. Received Aug. 17, 1951.

## 197823 to 197829.

From Algeria. Seeds presented by the Station Centrale D'Essais de Semences, Algiers. Received Aug. 17, 1951.

197823. FESTUCA ELATIOR L. Poaceae.

Meadow fescue.

197824. LOTUS EDULIS L. Fabaceae.

197825. LOTUS ORNITHOPODOIDES L.

197826. LOTUS TETRAGONOLOBUS L.

197827. MEDICAGO ARBOREA L. Fabaceae.

197828 and 197829. MEDICAGO SATIVA L.

Alfalfa.

197828. *Luzerne d'Egypte*.197829. *Luzerne de Lybie*.

## 197830. TRIFOLIUM REPENS L. Fabaceae.

White clover.

From Jamaica. Seeds presented by B. F. Topper, Department of Agriculture, Kingston. Received Aug. 17, 1951.

## 197831 and 197832. CARTHAMUS TINCTORIUS L. Asteraceae.

Safflower.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Aug. 20, 1951.

197831. T-39.

197832. T-56.

## 197833. ATRIPLEX SEMIBACCATA R. Br. Chenopodiaceae.

From the Union of South Africa. Seeds presented by the South African Legation. Received Aug. 20, 1951.

## 197834. POLYGONUM BISTORTOIDES Pursh. Polygonaceae.

From Wyoming. Plants collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Aug. 20, 1951.

SW-194. Beartooth Pass; altitude 10,800 feet.

## 197835 to 197844. AVENA SATIVA L. Poaceae.

Oats.

From Sweden. Seeds presented by the Sveriges Utsädesförening, Svalöf. Received Aug. 20, 1951.

## 197835 to 197844.—Continued

- |                           |                            |
|---------------------------|----------------------------|
| 197835. <i>Beiar.</i>     | 197840. <i>Ylitornio.</i>  |
| 197836. <i>Korgen.</i>    | 197841. <i>Sv. 25/356.</i> |
| 197837. <i>Mesdag.</i>    | 197842. <i>Sv. 25/357.</i> |
| 197838. <i>Norum.</i>     | 197843. <i>0660.</i>       |
| 197839. <i>Orion III.</i> | 197844. <i>0670.</i>       |

## 197845 to 197873.

From Argentina. Seeds presented by the Estación Experimental Pergamino, Pergamino. Received Aug. 21, 1951.

197845. *ADESMIA INCANA* Vogel. Fabaceae.  
P. F. 304.
197846. *BRIZA TRILOBA* Nees. Poaceae.  
P. F. 154.
197847. *BROMUS BREVIS* Steud. Poaceae.  
P. F. 331. Originally from Mendoza.
- 197848 and 197849. *BROMUS CATHARTICUS* Vahl. **Rescue grass.**  
197848. P. F. 172.  
197849. P. F. 195.
197850. *BROMUS HAENKEANUS* (Presl) Kunth.  
P. F. 343. Originally from Mendoza.
197851. *BROMUS MOLLIS* L.  
P. F. 471. Originally from Balcarce, Buenos Aires.
197852. *BROMUS VALDIVIANUS* R. A. Phil.  
P. F. 299. Originally from Nahuel Huapí.
197853. *CALAMAGROSTIS VIRIDI-FLAVESCENS* (Poir.) Steud. Poaceae.  
P. F. 149.
197854. *ECHINOCHLOA CRUSGALLI* (L.) Beauv. Poaceae. **Barnyard grass.**  
P. F. 96.
197855. *HORDEUM STENOSTACHYS* Godr. Poaceae.  
P. F. 85.
197856. *LATHYRUS PUBESCENS* Hook. & Arn. Fabaceae.  
P. F. 1117.
197857. *LOLIUM MULTIFLORUM* Lam. Poaceae. **Italian ryegrass.**  
P. F. 221. Originally from Mendoza.
197858. *MEDICAGO HISPIDA* var. *CONFINIS* (Koch) Burnat. Fabaceae.  
P. F. 177.
197859. *MEDICAGO MUREX* Willd.  
P. F. 589. Originally from Uruguay.
197860. *MEDICAGO TUBERCULATA* (Retz.) Willd.  
P. F. 588. Originally from Uruguay.
197861. *PANICUM BERGII* Arech. Poaceae.  
P. F. 158.
197862. *PASPALUM PAUCICILIATUM* (Parodi) Herter. Poaceae.  
P. F. 15. Originally from Buenos Aires.

**197845 to 197873.—Continued**

197863. *PASPALUM QUADRIFARIUM* Lam.

P. F. 153.

197864. *PIPTOCHAETIUM MONTEVIDENSE* (Spreng.) Parodi. Poaceae.

P. F. 148.

197865. *PIPTOCHAETIUM STIPOIDES* var. *PURPURASCENS* (Hack.) Parodi.

P. F. 461.

197866. *POA* sp. Poaceae.

P. F. 487. Originally from Mar del Plata.

197867. *STIPA HYALINA* Nees. Poaceae.

P. F. 77.

197868. *STIPA PAPPOSA* Nees.

P. F. 150.

197869. *STIPA TRICHOTOMA* Nees.

P. F. 152.

197870 and 197871. *TRIFOLIUM REPENS* L. Fabaceae.

**White clover.**

197870. P. F. 58.

197871. P. F. 810.

197872. *VICIA ANDICOLA* H.B.K. Fabaceae.

P. F. 1120. Originally from Buenos Aires.

197873. *VICIA GRAMINEA* Smith.

P. F. 1119. Originally from Buenos Aires.

**197874. *ALLIUM CEPA* L. Liliaceae.**

**Onion.**

From the Canary Islands. Seeds presented by Francisco Padron Perez, Santa Cruz de Tenerife. Received Aug. 24, 1951.

*Yellow Bermuda.*

**197875. *VITIS VINIFERA* L. Vitaceae.**

**European grape.**

From New Zealand. Cuttings presented by the Department of Agriculture, Wellington. Received Aug. 28, 1951.

*Albany Surprise.* Believed to be a sport of *Isabella*.

**197876 to 197890.**

From Mexico. Collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Aug. 28, 1951.

197876. *CITRUS* sp. Rutaceae.

No. 11092. Alamos, Sonora. (Seeds.)

197877. *DIOSCOREA* sp. Dioscoreaceae.

No. 11112. Ceboruco, Nayarit. (Root.)

197878. *DIOSCOREA* sp.

No. 11113. Tecomates, Jalisco. (Root.)

197879. *HECHTIA* sp. Bromeliaceae.

No. 11071. Alamos, Sonora. (Plants.)

197880. *TILLANDSIA* sp. Bromeliaceae.

No. 11069. Alamos, Sonora. (Plants.)

**197876 to 197890.—Continued**

197881. (Undetermined.)

No. 10998. Ajenjibre. Grass. (Roots.)

197882 to 197890. A collection of undetermined orchids. (Plants.)

197882. (Undetermined.)

No. 11006. (No data.)

197883. (Undetermined.)

No. 11028. Arroyo Obispo, Nayarit.

197884. (Undetermined.)

No. 11029. Arroyo Obispo, Nayarit.

197885. (Undetermined.)

No. 11031. Arroyo Obispo, Nayarit.

197886 to 197890. Álamos, Sonora.

197886. (Undetermined.)

No. 11073.

197887. (Undetermined.)

No. 11074.

197888. (Undetermined.)

No. 11075.

197889. (Undetermined.)

No. 11076.

197890. (Undetermined.)

No. 11077.

**197891. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.**

From Virginia. Seeds collected by J. T. Baldwin, Jr., College of William and Mary, Williamsburg. Received Aug. 28, 1951.

Grown for 50 years on the same farm in Brunswick County, without contamination or introduction of new seed. Highly inbred.

**197892. ZOYSIA TENUIFOLIA Willd. Poaceae.**

From Okinawa, Ryukyu Islands. Roots collected by Egbert H. Walker, United States National Museum, Washington, D. C. Received Aug. 28, 1951.

From the summit of a coral cliff overlooking the China Sea.

**197893 to 197896. IRIS spp. Iridaceae.**

From Turkey. Roots presented by Hanna Boutros, Mersin. Received Aug. 30, 1951.

197893 to 197895. IRIS GATESII Foster.

197893. Blue flowers.

197894. Grayish flowers.

197895. Reddish flowers.

197896. IRIS PERSICA L.

Received as variety *heldreichii*, an apparently unpublished name.

**197897. PRUNUS PERSICA (L.) Batsch. Amygdalaceae. Peach.**

From France. Cuttings presented by Jean Gaujard, Feyzin, Isere. Received Aug. 30, 1951.

*Raymond Gaujard.*

**197898 to 197906.**

From Mexico. Collected by Charles L. Gilly and Efraim Hernandez X., Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Aug. 30, 1951.

197898. *DIOSCOREA BARTLETTII* Morton. Dioscoreaceae.

No. 7132. Tabasco. (Cuttings.)

197899. *DIOSCOREA COMPOSITA* Hemsl.

No. 7037. Veracruz. (Root.)

197900. *DIOSCOREA* sp.

No. 7046. Veracruz. (Root.)

197901. *DIOSCOREA* sp.

No. 7049. Veracruz. (Cuttings.)

197902. *DIOSCOREA* sp.

No. 7138. Chiapas. (Cuttings.)

197903. *DIOSCOREA* sp.

No. 7140. Chiapas. (Cuttings.)

197904 to 197906. *SOLANUM TUBEROSUM* L. Solanaceae.

**Potato.**

From Chiapas. (Tubers.)

197904. No. 7077.

197905. No. 7076.

197906. No. 7078.

**197907 to 197930.**

From Japan. Cuttings presented by the Faculty of Agriculture, Tokyo University, Tokyo. Received Aug. 31, 1951.

197907 to 197926. *PRUNUS PERSICA* (L.) Batsch. Amygdalaceae. **Peach.**

197907. *Hakuto*.

197917. *Kanto No. 11.*

197908. *Kanto No. 2.*

197918. *Kanto No. 12.*

197909. *Kanto No. 3.*

197919. *Kanto No. 13.*

197910. *Kanto No. 4.*

197920. *Kanto No. 14.*

197911. *Kanto No. 5.*

197921. *Kanto No. 15.*

197912. *Kanto No. 6.*

197922. *Kanto No. 16.*

197913. *Kanto No. 7.*

197923. *Kiyomi.*

197914. *Kanto No. 8.*

197924. *Okitsu.*

197915. *Kanto No. 9.*

197925. *Okubo.*

197916. *Kanto No. 10.*

197926. *Shingyoku.*

197927 to 197930. *PYRUS USSURIENSIS* Maxim. Malaceae.

197927. *Ishiiwase.*

197929. *Nijūseiki No. 1.*

197928. *Kikusui.*

197930. *Nijūseiki No. 2.*

**197931. SANSEVIERIA** sp. Liliaceae.

From the Union of South Africa. Roots and cuttings presented by the Durban Botanical Gardens, Durban, Natal. Received Aug. 31, 1951.

**197932 and 197933. SOLANUM TUBEROSUM** L. Solanaceae. **Potato.**

From Colombia. Tubers collected by V. R. Gardner, Office of Foreign Agricultural Relations, United States Department of Agriculture. Received Aug. 31, 1951.

197932. *Tocana.* Bogotá.

197933. *Tuquerrena.* Bogotá.

**197934 to 197941.** HYDRANGEA MACROPHYLLA (Thunb.) Seringe.  
Hydrangeaceae.

From Germany. Cuttings purchased from E. Neubert Wandsbek, Hamburg.  
Received Sept. 4, 1951.

197934. *Admiration.*197938. *Idole.*197935. *Apotheose.*197939. *Nouvelle.*197936. *Deesse.*197940. *Splendeur.*197937. *General Patton.*197941. *Superbe.***197942.** ARRACACIA XANTHORRHIZA Bancroft. Apiaceae.**Arracacha.**

From Brazil. Roots presented by the Instituto Agronómico, Campinas, São Paulo. Received Sept. 5, 1951.

**197943 to 197951.** DIOSCOREA spp. Dioscoreaceae.

From Brazil. Roots presented by Temple Clayton, Shering Corporation, Rio de Janeiro. Received Sept. 5, 1951.

197943. DIOSCOREA SINUATA Vell.

197944. DIOSCOREA MONADELPHA (Kunth) Pax.

197945. DIOSCOREA sp.

No. 5.

197946. DIOSCOREA LAXIFLORA Mart.

197947. DIOSCOREA SINUATA Vell.

No. 14.

197948. DIOSCOREA sp.

No. 19.

197949. DIOSCOREA sp.

No. 26.

197950. DIOSCOREA sp.

No. 26B.

197951. DIOSCOREA DODECANEURA Vell.

No. 22. Ornamental vine.

**197952.** SACCHARUM. Poaceae.**Sugarcane.**

From Costa Rica. Cuttings presented by the Inter-American Institute of Agricultural Sciences, Turrialba. Received Sept. 7, 1951.

*Argentina.***197953 and 197954.** ZEA MAYS L. Poaceae.**Corn.**

From Egypt. Seeds presented by the Ministry of Agriculture, Giza, Orman.  
Received Sept. 7, 1951.

197953. *Single Cross 14.*197954. *Double Cross 27.***197955.** SCHINOPSIS LORENTZII (Griseb.) Engler. Anacardiaceae.**Quebracho.**

From Argentina. Seeds presented by the Ministerio de Agricultura y Ganadería, Buenos Aires. Received Sept. 7, 1951.

*Quebracho Colorado Santiagueno.* From Santiago del Estero.

**197956 to 197960.**

From Spain. Seeds presented by the Valdemanto Experimental Farm, Villamanta, Madrid. Received Sept. 7, 1951.

197956. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. Poaceae.

197957. *PHALARIS PARADOXA* L. Poaceae.

197958 and 197959. *SANGUISORBA MINOR* Scop. Rosaceae.

197958. (No data.)

197959. Received as *Sanguisorba verrucosa*, a synonym.

197960. *STIPA* sp. Poaceae.

**197961. BETA NANA** Boiss. & Heldr. Chenopodiaceae.

From Greece. Roots collected on Mount Parnassus by G. H. Coons, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Sept. 10, 1951.

**197962 to 197973.**

From Mexico. Seeds collected by H. S. Gentry and Charles L. Gilly, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Sept. 10, 1951.

197962. *AGAVE* sp. Amaryllidaceae.

No. 10576. Sierra Registro, Durango.

197963. *CNIDOSCOLUS* sp. Euphorbiaceae.

No. 11037. Mazatán, Nayarit.

197964. *CUCURBITA MOSCHATA* Duchesne. Cucurbitaceae.

Cushaw.

No. 10987. Autlán, Jalisco.

197965. *JACQUINIA PUNGENS* A. Gray. Theophrastaceae.

No. 11091. Álamos, Sonora.

197966. *PACHYRHIZUS EROSUS* (L.) Urban. Fabaceae.

Yam-bean.

No. 11046. Tecomates, Jalisco.

197967 to 197971. *PHASEOLUS VULGARIS* L. Fabaceae.

Common bean.

From Autlán, Jalisco.

197967. No. 10985. *Frijol Berendo*.

197968. No. 10988. *Ejote*.

197969. No. 10989. *Morado de Agua*.

197970. No. 10990. *Bayo Berendo*.

197971. No. 10991. *Berendo*.

197972. *YUCCA* sp. Liliaceae.

No. 10543. Durango City, Durango.

197973. *ZEA MAYS* L. Poaceae.

Corn.

No. 10986. White corn from the coast of Jalisco.

**197974 to 197978.**

From Argentina. Seeds presented by the Estación Experimental Pergamino, Pergamino. Received Sept. 10, 1951.

197974. *ERAGROSTIS LUGENS* Nees. Poaceae.

P. F. 159. Natural field, Pergamino.

197975. *LOLIUM MULTIFLORUM* Lam. Poaceae.

Italian ryegrass.

P. F. 106. Balcarce, Buenos Aires.

## 197974 to 197978.—Continued

197976. *PASPALUM DILATATUM* Poir. Poaceae.

P. F. 68.

197977. *PASPALUM PLICATULUM* Michx.

P. F. 467.

197978. *STIPA BRACHYCHAETA* Godr. Poaceae.

P. F. 156.

197979. *PTEROCARPUS ROTUNDIFOLIUS* (Sond.) Druce. Fabaceae.

From the Union of South Africa. Seeds collected by Walter H. Hodge, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Sept. 12, 1951.

A-171. Fifteen miles north of Brits, Transvaal.

## 197980 to 197982.

From New Zealand. Seeds presented by the Department of Agriculture, Wellington. Received Sept. 13, 1951.

197980. *ACTINIDIA CHINENSIS* Planch. Dilleniaceae.

Yangtao.

197981 and 197982. *CYPHOMANDRA BETACEA* (Cav.) Sendtn. Solanaceae.

197981. Red-fruited.

197982. Yellow-fruited.

197983 to 197986. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Afghanistan. Seeds presented by F. O. Youngs, Morrison-Knudsen Afghanistan, Inc., Kabul. Received Sept. 13, 1951.

197983. No. 91.

197985. Early wheat.

197984. No. 92.

197986. Large-grained.

197987 to 197991. *PISUM SATIVUM* L. Fabaceae.

Pea.

From the Netherlands. Seeds presented by the Poulvruchten Studie, Wageningen. Received Sept. 13, 1951.

197987. *Gruno*.197990. *Vinco*.197988. *Stijfstro C. B.*197991. *Zelka*.197989. *Unica*.

## 197992 to 197999.

From Germany. Seeds presented by Konrad Boettcher, Untermedingen, Schwaben. Received Sept. 14, 1951.

197992. *AGROSTIS ALBA* L. Poaceae.

Redtop.

197993. *ARRHENATHERUM ELATIUS* (L.) Beauv. Poaceae.

Tall oatgrass.

197994. *FESTUCA ELATIOR* L. Poaceae.

Meadow fescue.

197995. *FESTUCA RUBRA* L.

Red fescue.

197996. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

197997. *POA PRATENSIS* L. Fabaceae.

Kentucky bluegrass.

197998 and 197999. *TRIFOLIUM PRATENSE* L. Fabaceae.

Red clover.

197998. *Oberhaunstädter*.197999. *Steinacher*.

**198000 to 198008.**

From Brazil. Seeds presented by Dr. Eno de Miranda Cardoso, Piraçicaba, São Paulo. Received Sept. 14, 1951.

**198000 to 198002.** CROTALARIA MUCRONATA Desv. Fabaceae.

**198000.** No. 1.

**198001.** No. 2.

**198002.** No. 3.

**198003.** CROTALARIA PAULINA Schrank.

**198004.** INDIGOFERA HIRSUTA L. Fabaceae.

**198005.** INDIGOFERA SUMATRANA Gaertn.

**198006.** PACHYRHIZUS sp. Fabaceae.

No. 1.

**198007.** PACHYRHIZUS sp.

No. 2.

**198008.** TEPHROSIA TOXICARIA (Sw.) Pers. Fabaceae.

**198009.** CARTHAMUS TINCTORIUS L. Asteraceae. **Safflower.**

From India. Seeds presented by the Second Economic Botanist to the Government, Madhya Pradesh, Nagpur. Received Sept. 17, 1951.

*Madhya Pradesh N.7.*

**198010 and 198011.**

From the Cook Islands. Presented by W. McBirney, Raratonga. Received Sept. 19, 1951.

**198010.** BARRINGTONIA EDULIS Seem. Lecythidaceae.

(Seeds.)

**198011.** NYMPHAEA LOTUS L. Nymphaeaceae.

*Purpurea.* (Bulb and seeds.)

**198012.** OCHLANDRA TRAVANCORICA Benth. Poaceae. **Bamboo.**

From India. Plants presented by Boshi Sen, Almora, United Provinces. Received Sept. 24, 1951.

**198013 to 198024.**

From Japan. Seeds presented by the Ministry of Agriculture and Forestry, Tokyo. Received Sept. 14, 1951.

**198013.** LESPEDEZA BICOLOR Turcz. Fabaceae.

**198014.** LESPEDEZA sp.

**198015.** INDIGOFERA PSEUDO-TINCTORIA Matsum. Fabaceae.

**198016.** ALNUS FIRMA Sieb. & Zucc. Betulaceae.

**198017.** ALNUS JAPONICA Sieb. & Zucc.

**198018.** ALNUS PENDULA Matsum.

Introduced as *Alnus multinervis*, a synonym.

**198019.** AMORPHA FRUTICOSA L. Fabaceae.

**198020.** PINUS DENSIFLORA Sieb. & Zucc. Pinaceae.

**Pine.**

**198021.** PINUS THUNBERGII Parl.

**198022.** ROBINIA PSEUDOACACIA L. Fabaceae.

**Black locust.**

**198023.** VICIA HIRSUTA (L.) S. F. Gray. Fabaceae.

**198024.** VICIA SATIVA L.

**Common vetch.**

**198025 to 198059.**

From Ecuador and Peru. Seeds collected by V. R. Gardner, Office of Foreign Agricultural Relations, United States Department of Agriculture. Received Sept. 17, 1951.

Unless otherwise mentioned, material was collected in Peru.

**198025 to 198041.** PHASEOLUS VULGARIS L. Fabaceae. **Common bean.**

**198025 to 198029.** Public market, Lima.

198025. No. 1. 198028. No. 4.

198026. No. 2. 198029. No. 5.

198027. No. 3.

**198030 to 198035.** Public market, Quito, Ecuador.

198030. No. 1. 198033. No. 4

198031. No. 2. 198034. No. 5.

198032. No. 3. 198035. No. 6.

**198036 to 198041.** La Molina Experiment Station, La Molina.

198036. *Cocacho*. 198039. *Panamito*.

198037. *Plomo*. 198040. *Canario*.

198038. *Bayo Morro-pon*. 198041. *Bayo*.

**198042 to 198059.** ZEA MAYS L. Poaceae. **Corn.**

From Cuzco.

198042. Seeds red.

198043. Seeds yellow.

198044. Seeds white.

198045. Seeds small, white.

198046. Seeds large, white.

198047. *Capuli*. Seeds red.

198048. *Confeti Reventalore*. Seeds small, white.

198049. *Cenarillo Urquello*. Seeds yellow.

198050. *Chulpi*. Seeds yellow.

198051. *Chuspi*. Seeds white with brown spots.

198052. Seeds dark red.

198053. *Saxsa*. Seeds yellow with red streaks.

198054. Seeds white with purple spots.

198055. Seeds white and large.

198056. Seeds yellow.

198057. Seeds yellow with red streaks.

198058. Seeds yellow and red.

198059. Seeds red.

**198060 to 198077.**

From Sweden. Seeds presented by the Agricultural Experiment Station, Svalöf, through E. E. Rodemacher, Nokomis, Ill. Received Sept. 17, 1951.

**198060.** BRASSICA sp. Brassicaceae.

*Godermargkal*.

**198061.** BRASSICA sp.

*Varrylos*.

198060 to 198077.—Continued

198062. BRASSICA sp.

*Varraps.*

198063. BRASSICA sp.

*Vitsenays.*

198064. BROMUS INERMIS Lcyss. Fabaceae.

Bromegrass.

Sv. 02007.

198065 and 198066. FESTUCA ELATIOR L. Poaceae.

Meadow fescue.

198065. *Sena.*

198066. *Tediga.*

198067. GLYCINE MAX (L.) Merr. Fabaceae.

Soybean.

*Ugra Saja.*

198068 and 198069. LINUM USITATISSIMUM L. Linaceae.

Flax.

198068. *Kristlima Spanadslin.*

198069. *Valutalin.*

198070. LOLIUM PERENNE L. Poaceae.

Perennial ryegrass.

*Viktoria.*

198071. PAPAVER ORIENTALE L. Papaveraceae.

Oriental poppy.

*Vallmo Valmdorfu.*

198072 to 198074. PISUM SATIVUM L. Fabaceae.

Pea.

198072. *Brioart.*

198073. *Saloart.*

198074. *Gorsdagsart III.*

198075. POA PRATENSIS L. Poaceae.

Kentucky bluegrass.

*Tylking.*

198076. TRIFOLIUM REPENS L. Fabaceae.

White clover.

*Soca.*

198077. VICIA SATIVA L. Fabaceae.

Common vetch.

*Solvickie.*

198078. GLYCINE MAX (L.) Merr. Fabaceae.

Soybean.

From India. Seeds presented by P. Vaidyanathan, Embassy of India, Washington, D. C. Received Sept. 18, 1951.

*Punjab-1.*

198079 to 198082.

From Turkey. Seeds obtained through Hugh Richwine, Food and Agriculture Organization of the United Nations, Ankara. Received Sept. 20, 1951.

198079. JUNCUS sp. Juncaceae.

Grasslike; from between Konya and Aksaray, at 3,000 feet altitude.

198080. MEDICAGO SATIVA L. Fabaceae.

Alfalfa.

Near Erzurum, at 6,000 feet altitude.

198081. ORYZOPSIS MILIACEA (L.) Benth. & Hook. Poaceae.

From the site of Old Ephesus, at 1,000 feet altitude.

198082. POA BULBOSA L. Poaceae.

**198083 to 198087. DIOSCOREA spp. Dioscoreaceae.**

From Okinawa, Ryukyu Islands. Tubers collected by E. H. Walker, United States National Museum, Washington, D. C. Received Sept. 21, 1951.

198083. DIOSCOREA ALATA L.  
 198084. DIOSCOREA BULBIFERA L.  
 198085. DIOSCOREA KELUNGENSIS Hayata.  
 No. 6613.  
 198086. DIOSCOREA sp.  
 No. 6669.  
 198087. DIOSCOREA sp.

**198088 to 198102.**

From Morocco. Seeds presented by the Centre de Recherche Agronomique, Rabat. Received Sept. 21, 1951.

198088. FESTUCA ELATIOR L. Poaceae. **Meadow fescue.**  
 198089. MEDICAGO MARINA L. Fabaceae.  
 198090. MELILOTUS SEGETALIS (Brot.) Seringe. Fabaceae. **Sweetclover.**  
 198091. ORYZOPSIS MILIACEA (L.) Benth. & Hook. Poaceae.  
 198092 to 198094. PHASEOLUS LUNATUS L. Fabaceae. **Lima bean.**  
 198092. *Baby Potato.*  
 198093. *Nebraska.*  
 198094. *De Tupolikanie.*  
 198095. POLYPOGON MONSPELIENSIS (L.) Desf. Poaceae.  
 198096. SCORPIURUS SULCATA L. Fabaceae.  
 198097. SCORPIURUS VERMICULATA L.  
 198098. TRIFOLIUM RESUPINATUM L. Fabaceae. **Persian clover.**  
 198099. TRIFOLIUM STELLATUM L.  
 198100. TRIFOLIUM TOMENTOSUM L.  
 198101. VICIA LUTEA L. Fabaceae.  
 198102. VICIA sp.

**198103 and 198104.**

From Brazil. Bulbs presented by Temple Clayton, Espírito Santo, Espírito Santo. Received Sept. 21, 1951.

198103. HIPPEASTRUM EQUESTRE (L.) Herb. Amaryllidaceae.  
 Flowers red with yellow throat.  
 198104. (Undetermined.)  
 Amaryllid; flowers white.

**198105. VITIS VINIFERA L. Vitaceae. European grape.**

From Chile. Cuttings presented by Richard Lovald, Food and Agriculture Mission, Santiago. Received Sept. 24, 1951.

*Pais.* A variety that has proved its adaptability to the soil and climate of Chile since it was brought in by the Spaniards.

**198106 and 198107. SACCHARUM. Poaceae. Sugarcane.**

From Australia. Cuttings presented by the Colonia Sugar Refining Company, Sydney, New South Wales. Received Sept. 24, 1951.

198106. *Ragnar.*  
 198107. *45-M.Q. 3517.*

**198108 to 198113.**

From Argentina. Seeds presented by the Ministerio de Agricultura y Ganadería, Buenos Aires. Received Sept. 24, 1951.

198108. *AGROPYRON* sp. Poaceae.

*SD 50-1180.*

198109. *PASPALUM DILATATUM* Poir. Poaceae.

*SD 51-476.*

198110. *PASPALUM PAUCICILIATUM* (Parodi) Herter.

*SD 51-478.*

198111. *PASPALUM PLICATULUM* Michx.

*SD 51-477.*

198112. *PASPALUM QUADRIFARIUM* Lam.

*SD 51-479.*

198113. *PIPTOCHAETIUM MONTEVIDENSE* (Spreng.) Parodi. Poaceae.

*SD 51-480.*

**198114. RICINODENDRON RAUTANENII** Schinz. Euphorbiaceae.

From the Union of South Africa. Seeds presented by J. L. Dougherty, Agricultural Attaché, American Embassy, Pretoria, Transvaal. Received Sept. 24, 1951.

**198115. DIOSCOREA** sp. Dioscoreaceae.

From Okinawa, Ryukyu Islands. Roots collected by E. H. Walker, United States National Museum, Washington, D. C. Received Sept. 25, 1951.

**198116 to 198118. DIOSCOREA** spp. Dioscoreaceae.

From Mexico. Tubers collected by Charles L. Gilly, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Sept. 25, 1951.

198116. *DIOSCOREA* sp.

No. 7133. Tabasco.

198117. *DIOSCOREA BELIZENSIS* Lundell.

No. 7130. Tabasco.

198118. *DIOSCOREA* spp.

A mixture of Nos. 7027 and 7141 from Morelos and Chiapas.

**198119. LUPINUS LUTEUS** L. Fabaceae. **European yellow lupine.**

From Florida. Seeds presented by the Agricultural Experiment Station, Gainesville. Received Sept. 26, 1951.

German white-seeded variety.

**198120 to 198130. FRAGARIA. Rosaceae. Strawberry.**

From Portugal. Plants presented by Alfredo-Moreira da Silva & Filhos, Porto. Received Sept. 27, 1951.

198120. *Barcelos 237.*

198126. *Santo Tirso 230.*

198121. *Fafe 213.*

198127. *Valongo 223.*

198122. *Lisboa 209.*

198128. *Viana 233.*

198123. *Maia 222.*

198129. *Vila da Feira 227.*

198124. *Matosinhos 221.*

198130. *211.*

198125. *Porto 215.*

**198131. MANGIFERA INDICA L. Anacardiaceae. Mango.**

From India. Seeds presented by the Government Horticulturist, Poona, Bombay. Received Sept. 27, 1951.

**198132 to 198146. ORYZA SATIVA L. Poaceae. Rice.**

From Burma. Seeds presented by the Department of Agriculture, Rangoon. Received Oct. 1, 1951.

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| 198132. <i>Ahmee-phuthe Ty-25.</i>     | 198140. <i>Lawthawgyi E 30-42.</i>    |
| 198133. <i>Bophathe Ty-7.</i>          | 198141. <i>Maung-nyo B 24-92.</i>     |
| 198134. <i>Buphopa Ty-26.</i>          | 198142. <i>Nariphathe Ty-16.</i>      |
| 198135. <i>Busogu Ty-11.</i>           | 198143. <i>Pathcinwa Ty-13.</i>       |
| 198136. <i>Buthe Ty-18.</i>            | 198144. <i>Sein-gyi C 28-16.</i>      |
| 198137. <i>Hnanwa Phingauk A 36-3.</i> | 198145. <i>Shan-phwe-taung Ty-21.</i> |
| 198138. <i>Kamakyi D 17-88.</i>        | 198146. <i>Yodaya Ty-12.</i>          |
| 198139. <i>Kywe-bu-the Ty-17.</i>      |                                       |

**198147 to 198149. QUERCUS spp. Fagaceae. Oak.**

From Canada. Seeds presented by the Department of Agriculture, Ottawa, Ontario. Received Oct. 2, 1951.

198147. QUERCUS MACROCARPA Michx.  
No. 13590. Twin Elm, Carleton County, Ontario.
198148. QUERCUS sp.  
No. 2753. Larimac Golf Club, Hull County, Ontario.
198149. × QUERCUS BEBBIANA Schneid.  
No. 08-414-1.

**198150 to 198154.**

From India. Seeds presented by L. D. Kapoor, Research Laboratories, Jammu-Tawi, Kashmir. Received Oct. 4, 1951.

198150. BRASSICA sp. Brassicaceae.
198151. FAGOPYRUM TATARICUM (L.) Gaertn. Polygonaceae. **Buckwheat.**
198152. HORDEUM VULGARE L. Poaceae. **Common barley.**
- 198153 and 198154. PANICUM MILIACEUM L. Poaceae. **Proso.**
198153. *Pinga.*
198154. *Shola.*

**198155 to 198158. SESAMUM INDICUM L. Pedaliaceae. Sesame.**

From Iraq. Seeds presented by the Director-General of Agriculture, Bagdad. Received Oct. 4, 1951.

198155. *Giza No. 10.* From Egypt.
198156. *Mahalli No. 8.*
198157. *Mosulli No. 28.* From Mosul.
198158. *Roussi.* From Russia.

**198159. SORGHUM INTRANS Benth. Poaceae.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received Oct. 8, 1951.

**198160. LUPINUS ALBUS L. Fabaceae. White lupine.**

From Germany. Seeds presented by the Max Planck Gesellschaft, Hamburg. Received Oct. 8, 1951.

A hybrid between the sweet and bitter types, F<sub>2</sub> population.

**198161 to 198165. QUERCUS spp. Fagaceae. Oak.**

From England. Seeds presented by the Royal Botanic Gardens, Kew, Surrey.  
Received Oct. 8, 1951.

198161. *QUERCUS GLANDULIFERA* Blume.

198162. *QUERCUS LUSITANICA* Lam.

198163. *QUERCUS MACRANTHERA* Fisch. & Meyer.

198164. *QUERCUS ROBUR* L. English oak.

198165. *QUERCUS RUBRA* L. Red oak.

**198166 to 198168. PHASEOLUS VULGARIS L. Fabaceae. Common bean.**

From Australia. Seeds presented by the Department of Agriculture, Melbourne, Victoria. Received Oct. 12, 1951.

198166. *Clarendon Wonder*.

198167. *Hawksbury Wonder*.

198168. *Richmond Wonder*.

**198169. ARUNDINARIA AMABILIS McClure. Poaceae. Bamboo.**

From England. Plants presented by the British Bamboo Groves, Ltd., Bodwin, Cornwall, through Luis Marden, National Geographic Society, Washington, D. C. Received Oct. 15, 1951.

**198170. TRIGONELLA SUAVISSIMA Lindl. Fabaceae.**

From Australia. Seeds presented by the Department of Agriculture and Stock, Tanbar, Queensland. Received Oct. 16, 1951.

**198171. CORTADERIA SELLOANA (Schult.) Aschers. & Graebn. Poaceae. Pampas grass.**

From New Zealand. Plants presented by Wallace Shrimpton, Auckland. Received Oct. 18, 1951.

**198172. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From Italy. Tubers presented by the Agronomy and Field Crops Institute, University of Florence, Cascina. Received Oct. 22, 1951.

61-1-4 *Avanzi*.

**198173 to 198176. SANSEVIERIA spp. Liliaceae.**

From Africa. Plants collected by J. T. Baldwin, Jr., University of Virginia, Williamsburg. Received Oct. 10, 1951.

198173. *SANSEVIERIA* sp.

No. 1. Monrovia, Liberia.

198174. *SANSEVIERIA* sp.

No. 2. Ten miles east of Tchien, Tchien District, Liberia.

198175. *SANSEVIERIA* sp.

No. 3. Ten miles east of Tchien, Tchien District.

198176. *SANSEVIERIA* sp.

No. 4. Ibadan, Nigeria.

**198177 to 198180. SACCHARUM. Poaceae. Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Experiment Stations, Brisbane, Queensland. Received Oct. 10, 1951.

198177. *G 270*.

198179. *HQ 426*.

198178. *POJ 2875*.

198180. *Q 13*.

**198181. FICUS PALMERI S. Wats. Moraceae. Fig.**

From Mexico. Seeds presented by Howard Gates, Corona, Calif. Received Oct. 11, 1951.

Collected at Cape San Lucas, Lower California, Aug. 5, 1951.

**198182 to 198193. SACCHARUM. Poaceae. Sugarcane.**

From the Hawaiian Islands. Cuttings presented by the Hawaiian Sugar Planters' Association, Honolulu. Received Oct. 15, 1951.

198182. 44-720.	198188. 40-3986.
198183. 32-9791.	198189. 36-7293.
198184. 46-2876.	198190. 36-1804.
198185. 32-9391.	198191. 31-1407.
198186. 35-1967.	198192. 47-2910.
198187. 34-3171.	198193. 37-410.

**198194 to 198199. LITCHI CHINENSIS Sonner. Sapindaceae.****Lychee.**

From India. Plants presented by the Horticultural Research Station, Saharanpur, United Provinces. Received Oct. 18, 1951.

198194. <i>Calcutta</i> .	198197. <i>Late Bedana</i> .
198195. <i>Early Bedana</i> .	198198. <i>Large Red</i> .
198196. <i>Early Large</i> .	198199. <i>Rose Scented</i> .

**198200 to 198214. MANGIFERA INDICA L. Anacardiaceae. Mango.**

From India. Cuttings presented by the Horticultural Research Station, Saharanpur, United Provinces. Received Oct. 18, 1951.

198200. <i>Alfonzo</i> .	198208. <i>Khas-ue-khas</i> .
198201. <i>Asojia Deobana</i> .	198209. <i>Langra</i> .
198202. <i>Bombay Green</i> .	198210. <i>Rataue</i> .
198203. <i>Bombay Yellow</i> .	198211. <i>Safeda</i> .
198204. <i>Dasehai</i> .	198212. <i>Samarbihisht Alibag</i> .
198205. <i>Dilpasand</i> .	198213. <i>Samarbihisht Chausa</i> .
198206. <i>Fajri Jafrani</i> .	198214. <i>Taimuria</i> .
198207. <i>Fajri Kalan</i> .	

**198215 to 198217. SACCHARUM. Poaceae. Sugarcane.**

From the British West Indies. Cuttings presented by the Director of Agriculture, Port of Spain, Trinidad. Received Oct. 19, 1951.

198215. <i>M112/34</i> .
198216. <i>M213/40</i> .
198217. <i>M423/41</i> .

**198218 to 198227. AVENA SATIVA L. Poaceae. Oats.**

From Argentina. Seeds presented by the Instituto de Fitotecnia, Buenos Aires. Received Oct. 19, 1951.

198218. <i>Avena Minor 50-2622</i> .	198223. <i>Klein Al. 50-2691</i> .
198219. <i>Bage 1419/36. 50-2626</i> .	198224. <i>Klein At. 50-2692</i> .
198220. <i>B. B. M3 50-2629</i> .	198225. <i>Klein Va. 50-2694</i> .
198221. <i>Criolla Saltcna 50-2653</i> .	198226. <i>Mc. Mc. 50-2711</i> .
198222. <i>Hibride Vavilor 50-2680</i> .	198227. <i>Urugland 50-2779</i> .

**198228 to 198238. ORYZA SATIVA L. Poaceae. Rice.**

From India. Seeds presented by the Central Rice Research Institute, Orissa.  
Received Oct. 19, 1951.

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|---------------------------|--------------------------|
| 198228. <i>CO. 19.</i>    | 198234. <i>MTU. 1.</i>   |
| 198229. <i>CO. 25.</i>    | 198235. <i>MTU. 15.</i>  |
| 198230. <i>CRH. 7.</i>    | 198236. <i>SLO. 17.</i>  |
| 198231. <i>CRH. 13.</i>   | 198237. <i>SR. 26-B.</i> |
| 198232. <i>Cuttack 4.</i> | 198238. <i>T. 892.</i>   |
| 198233. <i>GEB. 24.</i>   |                          |

**198239 to 198242. HORDEUM spp. Poaceae. Barley.**

From Germany. Seeds presented by Dr. Greta Ziegenbein, Frankfurt-am-Main. Received Oct. 19, 1951.

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| 198239. <i>HORDEUM</i> sp.<br><i>Weissenhaus 630.</i> |                |
| 198240 to 198242. <i>HORDEUM VULGARE</i> L.           | Common barley. |
| 198240. <i>Weissenhaus 1467.</i>                      |                |
| 198241. <i>Weissenhaus 1512.</i>                      |                |
| 198242. <i>Weissenhaus 2206.</i>                      |                |

**198243 to 198249. QUERCUS spp. Fagaceae. Oak.**

From Italy. Seeds presented by the Botanical Institute, Florence. Received Oct. 22, 1951.

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| 198243. <i>QUERCUS AEGILOPS</i> L.       |              |
| 198244. <i>QUERCUS COCCIFERA</i> L.      | Kermes oak.  |
| 198245. <i>QUERCUS ILEX</i> L.           | Holly oak.   |
| 198246. <i>QUERCUS ROBUR</i> L.          | English oak. |
| Received as <i>Quercus pedunculata</i> . |              |
| 198247. <i>QUERCUS PUBESCENS</i> Willd.  |              |
| 198248. <i>QUERCUS ROBUR</i> L.          | English oak. |
| 198249. <i>QUERCUS TROJANA</i> Webb.     |              |

**198250 to 198257. DIOSCOREA spp. Dioscoreaceae.**

From Brazil. Tubers presented by Dr. Temple Clayton, Shering Corporation, Rio de Janeiro. Received Oct. 23, 1951.

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| 198250. <i>DIOSCOREA</i> sp.<br><i>J.G.K. No. 4.</i>           |
| 198251. <i>DIOSCOREA</i> sp.<br><i>No. 29.</i>                 |
| 198252. <i>DIOSCOREA</i> sp.<br><i>No. 29A.</i>                |
| 198253. <i>DIOSCOREA</i> sp.<br><i>No. 41.</i>                 |
| 198254. <i>DIOSCOREA AMARANTOIDES</i> Presl.<br><i>No. 54.</i> |
| 198255. <i>DIOSCOREA</i> sp.<br><i>No. 55.</i>                 |

## 198250 to 198257.—Continued

198256. DIOSCOREA sp.

No. 58.

198257. DIOSCOREA sp.

No. 32.

## 198258 and 198259. LACTUCA spp. Cichoriaceae.

From Turkey. Seeds presented by Dr. Afif Gediz, Turkish Sugar Company, Eskisehir. Received Oct. 23, 1951.

198258. LACTUCA SERRIOLA L.

198259. LACTUCA VIROSA L.

## 198260. VICIA CRACCA L. Fabaceae.

From Canada. Seeds presented by the Special Cultures Division, Department of Agriculture, Montreal, Quebec. Received Oct. 23, 1951.

## 198261 to 198266.

From Turkey. Presented by Hanna Boutros, Mersin. Received Oct. 23, 1951.

Material collected was bulbs unless otherwise noted.

198261. NARCISSUS TAZETTA L. Amaryllidaceae.

198262. CYCLAMEN CILICICUM Boiss. &amp; Heldr. Primulaceae.

198263. HYACINTHUS sp. Liliaceae.

Hyacinth.

198264. IRIS GATESII Foster. Iridaceae.

(Rhizomes.)

198265. IRIS TINGITANA Boiss. &amp; Reut.

Received as *I. persica* var. *heldreichii*, apparently an unpublished name.

198266. SCILLA AUTUMNALIS L. Liliaceae.

## 198267 to 198274. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Australia. Seeds presented by the New England Experiment Farm, Glen Innes, New South Wales. Received Oct. 23, 1951.

198267. *Celebration Tenmarq* × *Dundee*.198268. (*Kenya Gular* × *Winter Minflor*) × *Doulbe Truss Dundee*.198269. (*Kenya Pusa 4 Nabawa* × *Ghurka*) × *Early Blackhull*.198270. *Marquillo-Waratah Baringa* × *Argentine 38 MA*.198271. *Marquillo-Waratah Ford Early Blackhull* × *Gabo*.198272. *Pusa 4 Baringa* × *Federation Acme*.198273. *Steinwedel Timopheevi* × *Dundee II 46-149-0-0-2*.198274. *Steinwedel Timopheevi* × *Dundee II 46-149-0-0-4*.

## 198275 to 198280. ILEX spp. Aquifoliaceae.

Holly.

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale. Numbered Oct. 23, 1951.

198275 and 198276. ILEX AQUIFOLIUM L.

English holly.

198275. B-43193.

198276. B-43194.

## 198275 to 198280.—Continued

198277 to 198279. *ILEX CORNUTA* Lindl. & Paxt. Chinese holly.

198277. B-43195.

198278. B-10909.

198279. B-10909A.

198280. *ILEX* sp.

From the Oregon Bulb Farms, Gresham, Oreg. A creeping holly.

198281 to 198288. *DIOSCOREA* spp. Dioscoreaceae.

From Brazil. Tubers presented by Dr. Temple Clayton, Shering Corporation, Rio de Janeiro. Received Oct. 24, 1951.

198281. *DIOSCOREA* sp.

No. 28.

198282. *DIOSCOREA* sp.

No. 33.

198283. *DIOSCOREA* sp.

No. 34.

198284. *DIOSCOREA* sp.

No. 35.

198285. *DIOSCOREA* sp.

No. 31A.

198286. *DIOSCOREA OLFERSIANA* Klotzsch.

No. 49.

198287. *DIOSCOREA* sp.

No. 53.

198288. *DIOSCOREA* sp.

No. 57.

## 198289 to 198332.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Oct. 24, 1951.

198289 to 198294. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.

198289. *N. P.* 9.

198292. *N. P.* 22.

198290. *N. P.* 10.

198293. *N. P.* 30.

198291. *N. P.* 18.

198294. *N. P.* 34.

198295. *CASSIA ANGUSTIFOLIA* Vahl. Caesalpinaceae.

198296 and 198297. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae. Guar.

198296. *Delhi Local I. C.* 32.

198297. *Pardeshi I. C.* 44.

198298 to 198311. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. Ragi.

198298. *Bajri No.* 207.

198305. *Nagli A-16.* (Late.)

198299. *Bavto Cul. No.* 47-1.

198306. *Nagli E-31.* (Midlate.)

198300. *Bavto Cul. No.* 96-3.

198307. *Red Nagli-47.*

198301. *Bavto Cul. No.* 220-1.

198308. *Red Nagli-100.*

198302. *Nagli B-11.* (Early.)

198309. *Red Nagli-192.*

198303. *Nagli 28-1.* (Early.)

198310. *Co.* 1.

198304. *Nagli 50-1.*

198311. *Co.* 2.

## 198289 to 198332.—Continued

- 198312 to 198314. PANICUM MILIACEUM L. Poaceae. **Proso.**  
 198312. *Vari-10.*  
 198313. *Vari-13-11* (Late.)  
 198314. *P. V. 36.*
- 198315 and 198316. PANICUM MILIARE Lam.  
 198315. *P. M. 2.*  
 198316. *P. M. 4.*
- 198317 to 198321. PENNISETUM SPICATUM (L.) Willd. Poaceae. **Pearl millet.**  
 198317. *Bajri L. M. 38-39.* 198320. *Co. 1.*  
 198318. *Bajri AF 3-G1-G1-G1.* 198321. *Co. 2.*  
 198319. *Bajri 28-151-1.*
- 198322 to 198327. PASPALUM SCROBICULATUM L. Poaceae.  
 198322. *Kodra Cul. No. 494-1* (Type Haria).  
 198323. *Kodra 18-4.*  
 198324. *P. S. 1.*  
 198325. *Kodra 7-1.*  
 198326. *Kodra Cul. No. 138-1* (Type Haria Chodharia).  
 198327. *Kodra Cul. No. 80-2* (Type Haria Chodharia).
- 198328 and 198329. SETARIA ITALICA (L.) Beauv. Poaceae. **Foxtail millet.**  
 198328. *Rala 31-1.*  
 198329. *Rala 301-1.*
- 198330 to 198332. SOLANUM MELONGENA L. Solanaceae. **Eggplant.**  
 198330. *Brinja Clustered White.*  
 198331. *Brinja Muktakeshi.*  
 198332. *Brinja Busa Purple.*
- 198333 to 198343. DIOSCOREA spp. Dioscoreaceae.
- From Brazil. Tubers presented by Dr. Temple Clayton, Shering Corporation, Rio de Janeiro. Received Oct. 25, 1951.
198333. DIOSCOREA sp.  
*J.G.K. No. 7.*
198334. DIOSCOREA sp.  
*No. 30.*
198335. DIOSCOREA sp.  
*No. 36.*
198336. DIOSCOREA sp.  
*No. 36B.* Introduced as *D. lumini*, an apparently unpublished name.
198337. DIOSCOREA sp.  
*No. 37.*
198338. DIOSCOREA sp.  
*No. 38.*
198339. DIOSCOREA LAGOA-SANTA Uline.  
*No. 39.*

**198333 to 198343.**—Continued

**198340.** DIOSCOREA MONADELPHOIDES (Kunth) Macbr.

No. 42. (Female.)

**198341.** DIOSCOREA sp.

Nos. 44, 45, 47 combined; differences are probably only in leaf form.

**198342.** DIOSCOREA sp.

No. 46.

**198343.** DIOSCOREA sp.

No. 51.

**198344 to 198552.** BETA spp. Chenopodiaceae.

From Europe. Seeds presented by the Division of Sugar Plant Investigations, Plant Industry Station, Beltsville, Md. Received Oct. 25, 1951.

Collected by G. H. Coons.

**198344 to 198346.** Santa Pola, Spain. July 16, 1951.

**198344.** BETA sp.

No. 181.

**198345.** BETA sp.

No. 182.

**198346.** BETA sp.

No. 183.

**198347 to 198358.** Five km. from Alhama, near Murcia, Spain. July 16, 1951.

**198347.** BETA sp.

No. 184.

**198348.** BETA sp.

No. 185.

**198349.** BETA sp.

No. 186.

**198350.** BETA sp.

No. 187.

**198351.** BETA sp.

No. 188.

**198352.** BETA sp.

No. 189.

**198353.** BETA sp.

No. 190.

**198354.** BETA sp.

No. 191.

**198355.** BETA sp.

No. 192.

**198356.** BETA sp.

No. 193.

**198357.** BETA sp.

No. 194.

**198358.** BETA sp.

No. 195.

## 198344 to 198552.—Continued

198359 to 198367. BETA VULGARIS L.

Beet.

Received as *B. foliosa*, a synonym of *B. vulgaris*. From Salinli, Turkey. Aug. 4, 1951.

198359. No. 163.	198364. No. 168.
198360. No. 164.	198365. No. 169.
198361. No. 165.	198366. No. 170.
198362. No. 166.	198367. No. 171.
198363. No. 167.	

198368 to 198387. BETA INTERMEDIA Bunge.

Near Erzurum, Turkey.

198368. No. 129.	198378. No. 139.
198369. No. 130.	198379. No. 140.
198370. No. 131.	198380. No. 141.
198371. No. 132.	198381. No. 142.
198372. No. 133.	198382. No. 143.
198373. No. 134.	198383. No. 144.
198374. No. 135.	198384. No. 145.
198375. No. 136.	198385. No. 146.
198376. No. 137.	198386. No. 147.
198377. No. 138.	198387. No. 148.

198388 to 198401. BETA LOMATOGONA Fisch. &amp; Mey.

From Turkey.

198388. No. 149. Cheanbiyli. June 30, 1951.

198389 to 198397. Sofran, near Eskishir. July 26, 1951.

198389. No. 150.	198394. No. 155.
198390. No. 151.	198395. No. 156.
198391. No. 152.	198396. No. 157.
198392. No. 153.	198397. No. 158.
198393. No. 154.	

198398 to 198400. Experiment Station, Erzurum. July 1951.

198398. No. 159.
198399. No. 160.
198400. No. 161.

198401. No. 162. Near Eskishir.

198402 to 198414. BETA VULGARIS var. MACROCARPA (Guss.) Moq.

198402 to 198404. Buena Vista, Teneriffe, Canary Islands. July 12, 1951.

198402. No. 197.
198403. No. 198.
198404. No. 199.

198405 and 198406. Arucas, Gran Canaria, Canary Islands. July 14, 1951.

198405. No. 200.
198406. No. 201.

198344 to 198552.—Continued

198402 to 198414.—Continued

198407 to 198411. Santa Pola, Spain. July 16, 1951.

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| 198407. No. 202. | 198410. No. 205. |
| 198408. No. 203. | 198411. No. 206. |
| 198409. No. 204. |                  |

198412 to 198414. Bergen op Zoom, Netherlands.

198412. No. 207.  
 198413. No. 208.  
 198414. No. 209.

198415 to 198462. BETA VULGARIS L.

Beet.

Received as *B. maritima*.

198415 to 198424. Po di Levante, Italy.

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| 198415. No. 1. | 198420. No. 6.  |
| 198416. No. 2. | 198421. No. 7.  |
| 198417. No. 3. | 198422. No. 8.  |
| 198418. No. 4. | 198423. No. 9.  |
| 198419. No. 5. | 198424. No. 10. |

198425 to 198428. Lido, Italy.

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|-----------------|-----------------|
| 198425. No. 11. | 198427. No. 13. |
| 198426. No. 12. | 198428. No. 14. |

198429 to 198433. Florya, Italy.

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|-----------------|-----------------|
| 198429. No. 15. | 198432. No. 18. |
| 198430. No. 16. | 198433. No. 19. |
| 198431. No. 17. |                 |

198434 to 198438. Near airport, Istanbul, Turkey.

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| 198434. No. 20. | 198437. No. 23. |
| 198435. No. 21. | 198438. No. 24. |
| 198436. No. 22. |                 |

198439 to 198445. King's Lynn, England.

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| 198439. No. 25. | 198443. No. 29. |
| 198440. No. 26. | 198444. No. 30. |
| 198441. No. 27. | 198445. No. 31. |
| 198442. No. 28. |                 |

198446 and 198447. Mundsley, England.

198446. No. 32.  
 198447. No. 33.

198448 to 198461. Blakeney, England.

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|-----------------|-----------------|
| 198448. No. 34. | 198455. No. 41. |
| 198449. No. 35. | 198456. No. 42. |
| 198450. No. 36. | 198457. No. 43. |
| 198451. No. 37. | 198458. No. 44. |
| 198452. No. 38. | 198459. No. 45. |
| 198453. No. 39. | 198460. No. 46. |
| 198454. No. 40. | 198461. No. 47. |

198462. Isla Menor, near Seville, Spain.

## 198344 to 198552.—Continued

198463 to 198471. BETA NANA Boiss. &amp; Heldr.

198463. No. 172.	198468. No. 177.
198464. No. 173.	198469. No. 178.
198465. No. 174.	198470. No. 179.
198466. No. 175.	198471. No. 180.
198467. No. 176.	

198472 to 198490. BETA PATELLARIS Moq.

198472 to 198489. Canary Islands.

198472 to 198475. Barranca, Martinez.

198472. No. 49.	198474. No. 51.
198473. No. 50.	198475. No. 52.

198476 to 198479. Buena Vista, Teneriffe.

198476. No. 53.	198478. No. 55.
198477. No. 54.	198479. No. 56.

198480 to 198482. San Felipe, Gran Canaria.

198480. No. 57.
198481. No. 58.
198482. No. 59.

198483 to 198489. Near Arucas, Gran Canaria.

198483. No. 60.	198487. No. 64.
198484. No. 61.	198488. No. 65.
198485. No. 62.	198489. No. 66.
198486. No. 63.	

198490. No. 67. Bergen op Zoom, Netherlands.

198491 to 198498. BETA PROCUMBENS Lange.

Canary Islands.

198491. No. 83.	198495. No. 87.
198492. No. 84.	198496. No. 88.
198493. No. 85.	198497. No. 89.
198494. No. 86.	198498. No. 90.

198499 to 198536. BETA TRIGYNA Waldst. &amp; Kit.

From Turkey.

198499 to 198509. Experiment Station, Erzurum.

198499. No. 91.	198505. No. 97.
198500. No. 92.	198506. No. 98.
198501. No. 93.	198507. No. 99.
198502. No. 94.	198508. No. 100.
198503. No. 95.	198509. No. 101.
198504. No. 96.	

**198344 to 198552.—Continued**

**198499 to 198536.—Continued**

**198510 to 198523.** Near Erzurum.

198510. No. 102.	198517. No. 109.
198511. No. 103.	198518. No. 110.
198512. No. 104.	198519. No. 111.
198513. No. 105.	198520. No. 112.
198514. No. 106.	198521. No. 113.
198515. No. 107.	198522. No. 114.
198516. No. 108.	198523. No. 115.

**198524 to 198531.** Near Cat, Turkey.

198524. No. 116.	198528. No. 120.
198525. No. 117.	198529. No. 121.
198526. No. 118.	198530. No. 122.
198527. No. 119.	198531. No. 123.

**198532 and 198533.** Experiment Station, Erzurum.

198532. No. 124.
198533. No. 125.

**198534 to 198536.** Domulu.

198534. No. 126.
198535. No. 127.
198536. No. 128.

**198537.** BETA VULGARIS L.

**Beet.**

Bergen op Zoom, Netherlands.

**198538 to 198552.** BETA WEBBIANA Moq.

Canary Islands.

**198538 to 198546.** La Isleta, Gran Canaria.

198538. No. 68.	198543. No. 73.
198539. No. 69.	198544. No. 74.
198540. No. 70.	198545. No. 75.
198541. No. 71.	198546. No. 76.
198542. No. 72.	

**198547 to 198552.** San Felipe, Gran Canaria.

198547. No. 77.	198550. No. 80.
198548. No. 78.	198551. No. 81.
198549. No. 79.	198552. No. 82.

**198553.** EHRHARTA CALYCINA J. E. Smith. Poaceae.

**Perennial veldtgrass.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received Oct. 29, 1951.

**198554 to 198556.** TRIFOLIUM spp. Fabaceae.

From Kenya. Seeds presented by A. Bagday, Nairobi. Received Oct. 29, 1951.

**198554 to 198556.—Continued**

198554. *TRIFOLIUM SIMENSE* Fresen.

Ol Toro Orok; altitude 8,500 feet.

198555. *TRIFOLIUM SUBROTUNDUM* Steud. & Hochst.

Thomson's Falls; altitude 7,800 feet.

198556. *TRIFOLIUM TEMBENSE* Fresen.

Ol Toro Orok; altitude 7,500 feet.

**198557 to 198559.**

From India. Cuttings collected by Dr. Walter Koelz, c/o American Consul, Bombay. Received Oct. 30, 1951.

Collected Oct. 9, 1951, in Assam.

198557. *RUBUS* sp. Rosaceae.

No. 11770. Mawryngkneng, Khasi Hills. A vigorous shrub up to 3 feet high. Fruits red, flavor poor.

198558 and 198559. *SACCHARUM*. Poaceae.

Sugarcane.

198558. No. 11769. Mawryngkneng.

198559. No. 11771. Fifteen miles from Mawryngkneng.

**198560 to 198567. QUERCUS RUBRA L. Fagaceae.**

Red oak.

From Canada. Seeds presented by the Department of Agriculture, Fredericton, New Brunswick. Received Oct. 30, 1951.

198560. *N.B. 1 A.*

198564. *N.B. 3 A.*

198561. *N.B. 1 B.*

198565. *N.B. 3 B.*

198562. *N.B. 2 A.*

198566. *N.B. 4 A.*

198563. *N.B. 2 B.*

198567. *N.B. 4 B.*

**198568 to 198570. HEDYSARUM CORONARIUM L. Fabaceae. Sulla.**

From Italy. Seeds obtained through the Economic Cooperation Administration, Special Mission to Italy, Rome. Received Oct. 31, 1951.

198568. Sicily.

198569. Florence.

198570. Pisa.

**198571 to 198605.**

From the Union of South Africa. Seeds presented by L. C. C. Liebenberg, Director of Agricultural Education, Pretoria, Transvaal. Received Oct. 31, 1951.

198571. *ARISTIDA CILIATA* Desf. Poaceae.

No. 30.

198572 and 198573. *ARISTIDA UNIPLUMIS* Roem. & Schult.

Gemsbuck Game Reserve, Kalahari Desert.

198572. No. 2. Open tufts.

198573. No. 3. Dense tufts.

198574. *ATRIPLEX CAPENSIS* Moq. Chenopodiaceae.

No. 14. Veld Reserve, Fauresmith. Good succulent forage plant.

198575. *ATRIPLEX MUELLERI* Benth.

No. 18. Veld Reserve, Fauresmith. Fairly good Australian species.

## 198571 to 198605.—Continued

198576. *ANDROPOGON INSCULPTUS* Hochst. Poaceae.  
No. 8. Zeerust.
198577. *CALLITRIS GLAUCA* R. Br. Pinaceae.  
No. 29.
198578. *DIGITARIA ARGYROGRAPTA* (Nees) Stapf. Poaceae.  
No. 26. Middelburg, Cape Province.
198579. *ERAGROSTIS CURVULA* (Schrad.) Nees. Poaceae.  
No. 35. Stellenbosch, Cape Province.
198580. *ERAGROSTIS CURVULA* var. *CONFERTA* Nees.  
No. 13. Veld Reserve, Fauresmith.
- 198581 and 198582. *ERAGROSTIS LEHMANNIANA* Nees.  
198581. No. 1. Gemsbuck Game Reserve, Kalahari Desert.  
198582. No. 9. Zeerust.
198583. *FELICIA MURICATA* Nees. Asteraceae.  
No. 33. Middelburg, Cape Province.
198584. *FELICIA* sp.  
No. 16. Veld Reserve, Fauresmith. Good fodder plant.
198585. *HERMANNIA LINEARIFOLIA* Harv. Sterculiaceae.  
No. 21. Veld Reserve, Fauresmith.
198586. *HERMANNIA PALLENS* Eckl. & Zeyh.  
No. 19. Veld Reserve, Fauresmith. Good forage plant.
198587. *HYPARRHENIA HIRTA* (L.) Stapf. Poaceae.  
No. 22. Middelburg, Cape Province.
198588. *PANICUM MAXIMUM* Jacq. Poaceae. **Guinea grass.**  
No. 10. Zeerust, Transvaal.
- 198589 and 198590. *PANICUM STAFFIANUM* Fourc.  
Gemsbuck Game Reserve, Kalahari Desert.  
198589. No. 5.  
198590. No. 5a. Robust.
- 198591 and 198592. *PENNISSETUM CILIARE* (L.) Link. Poaceae. **Buffelgrass.**  
198591. No. 4. Gemsbuck Game Reserve.  
198592. No. 11. Veld Reserve, Fauresmith. Said to come from Beaufort West.
198593. *PHYMASPERMUM PARVIFOLIUM* (DC.) Benth. & Hook. Asteraceae.  
No. 32. Middelburg, Cape Province. One of the best browse plants for the region.
198594. *PLINTHUS CRYPTOCARPUS* Fenzl. Aizoaceae.  
No. 6. Gemsbuck Game Reserve, Kalahari Desert; of medium palatability.
198595. *PTERONIA GLAUCA* Thunb. Asteraceae.  
No. 20. Veld Reserve, Fauresmith. Widespread species.
- 198596 and 198597. *SPOROBOLUS FIMBRIATUS* Nees. Poaceae.  
198596. No. 12. Veld Reserve.  
198597. No. 24. Middelburg, Cape Province.

**198571 to 198605.—Continued**

198598. *SPOROBOLUS USITATUS* Stent.

No. 23. Middelburg, Cape Province.

198599. *TEPHROSIA SPHAEROSPERMA* (DC.) Baker. Fabaceae.

No. 7. Gemsbuck Game Reserve, Kalahari Desert.

198600 to 198602. *TETRAGONIA ARBUSCULA* Fenzl. Aizoaceae.

198600. No. 17. Veld Reserve, Fauresmith. Valuable succulent forage plant.

198601. No. 17a. Veld Reserve.

198602. No. 27. Middelburg, Cape Province.

198603 *TETRACHINE DREGEI* Nees. Poaceae.

No. 25. Middelburg, Cape Province.

198604. *TRIPTERIS LEPTOLOBA* Harv. Asteraceae.

No. 15. Veld Reserve, Fauresmith. Fairly good forage.

198605. *WALAFRIDA GENICULATA* Rolfe. Scrophulariaceae.

No. 33. Middelburg, Cape Province.

**198606. *VIBURNUM SETIGERUM* f. *AURANTIACUM* Rehder.  
Caprifoliaceae.**

From Maryland. Plants growing at the United States Plant Introduction Garden, Glenn Dale, Md. Numbered Nov. 1, 1951.

Originally from the Arnold Arboretum, Jamaica Plain, Mass.

**198607. (Undetermined.)**

From Costa Rica. Plants presented by the Inter-American Institute of Agricultural Sciences, Turrialba. Received Nov. 1, 1951.

**198608. *STROPHANTHUS PREUSSII* Engl. & Pax. Apocynaceae.**

From Liberia. Cutting presented by Dr. K. G. McIndoe, Firestone Plantations Company, Harbel. Received Nov. 1, 1951.

**198609. *DIOSCOREA OCCIDENTALIS* R. Knuth. Dioscoreaceae.**

From Brazil. Tubers presented by Dr. Temple Clayton, Shering Corporation, Rio de Janeiro. Received Nov. 2, 1951.

No. 50. Produces very large tubers; grows in sand near ocean.

**198610. *CASSIA LAEVIGATA* Willd. Caesalpiniaceae.**

From India. Seeds presented by the Provincial Silviculturist, Ootacamund. Received Nov. 5, 1951.

**198611. *GALANTHUS NIVALIS* L. Amaryllidaceae.**

From Turkey. Bulbs presented by Hanna Boutros, Mersin. Received Nov. 5, 1951.

**198612 and 198613. *STROPHANTHUS* spp. Apocynaceae.**

From Angola. Seeds presented by Dr. Janette E. Miller, Ebanga, Mochado. Received Nov. 5, 1951.

198612. *STROPHANTHUS* sp.

No. 1.

198613. *STROPHANTHUS* sp.

No. 2.

- 198614.** QUERCUS GARRYANA Hook. Fagaceae. **Oak.**  
 From Canada. Seeds presented by the Department of Agriculture, Victoria, British Columbia. Received Nov. 7, 1951.  
 Collected by W. G. Ziller at Beacon Hill Park. Oct. 26, 1951.
- 198615 to 198620.** QUERCUS spp. Fagaceae. **Oak.**  
 From France. Seeds presented by the Museum d'Histoire Naturelle, Paris. Received Nov. 7, 1951.
198615. QUERCUS CERRIS L. **European turkey oak.**
198616. QUERCUS COCCIFERA L. **Kermes oak.**
198617. QUERCUS HAAS Kotschy.
198618. QUERCUS ILEX L. **Holly oak.**
198619. QUERCUS LIBANI Oliver
198620. QUERCUS MACROLEPIS Kotschy
- 198621.** (Undetermined.) Phoenicaceae. **Palm.**  
 From Mexico. Offshoots collected by H. S. Gentry, Agricultural Explorer, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Nov. 7, 1951.  
 Tijuana, Baja California.
- 198622.** AMMI MAJUS L. Apiaceae.  
 From Texas. Seeds presented by H. R. Reed, Sonora. Received June 30, 1950. Numbered Nov. 8, 1951.
- 198623.** JUGLANS NIGRA L. Juglandaceae. **Black walnut.**  
 From the Union of South Africa. Seeds obtained through the American Embassy, Pretoria, Transvaal. Received Nov. 8, 1951.  
 Near King Williams Town, Cape Province.
- 198624 and 198625.** ORYZA SATIVA L. Poaceae. **Rice.**  
 From Peru. Seeds presented by the Tingo María Experiment Station, Tingo María. Received Nov. 9, 1951.
198624. *Catetao Dourado.*
198625. *Secano Brazil.*
- 198626.** ORYZA SATIVA L. Poaceae. **Rice.**  
 From Cuba. Seeds presented by Frederico Poey, Havana. Received Nov. 9, 1951.  
*Zayas Bazan.*
- 198627 and 198628.** QUERCUS spp. Fagaceae. **Oak.**  
 From California. Seeds presented by R. J. Seibert, Los Angeles State and County Arboretum, Arcadia. Received Nov. 13, 1951.
198627. QUERCUS AGRIFOLIA Nee.  
 Cloverleaf Canyon, Monrovia.
198628. QUERCUS DUMOSA Nutt.  
 Clam Shell Canyon, Monrovia.
- 198629.** QUERCUS ILICIFOLIA Wangenh. Fagaceae. **Oak.**  
 From France. Seeds presented by the Arboretum des Barres, Nogent-sur-Vernisson, Loiret. Received Nov. 13, 1951.

**198630 to 198633. SACCHARUM. Poaceae. Sugarcane.**

From the Hawaiian Islands. Cuttings presented by the Hawaiian Sugar Planters' Association, Honolulu. Received Nov. 13, 1951.

198630. *Mol. 451.*

198632. *Mol. 914.*

198631. *Mol. 894.*

198633. *Mol. 976.*

**198634. SACCHARUM. Poaceae. Sugarcane.**

From Australia. Cuttings presented by the Colonial Sugar Refining Company, Ltd., Sydney, New South Wales. Received Nov. 14, 1951.

*Ragnar.*

**198635 to 198638.**

From Spain. Seeds presented by the Estación Experimental de Aula Dei, Zaragoza. Received Nov. 14, 1951.

198635 to 198637. *CAPSICUM FRUTESCENS L.* Solanaceae. **Redpepper.**

198635. *Agridulce.* (Sweet.)

198636. *Dulce.* (Sweet.)

198637. *Picante.* (Sweet.)

198638. *CUCUMIS MELO L.* Cucurbitaceae. **Muskmelon.**

*Bronceado.*

**198639 and 198640. QUERCUS spp. Fagaceae. Oak.**

From Scotland. Seeds presented by the Royal Botanic Garden, Edinburgh. Received Nov. 15, 1951.

198639. *QUERCUS CERRIS L.*

**European turkey oak.**

198640. *QUERCUS ROBUR L.*

**English oak.**

Received as *Q. pedunculata*, a synonym.

**198641. ZEA MAYS L. Poaceae. Corn.**

From Ohio. Seeds presented by Cephas Atkinson, Farmers National Bank, Plain City. Received Nov. 16, 1951.

*Atkinson.* (Sweet corn.)

**198642 to 198644. FRAGARIA. Rosaceae. Strawberry.**

From Canada. Plants presented by the Central Experimental Farm, Ottawa. Received Nov. 16, 1951.

198642. *Perle de Prague.*

198643. *43-07-29.*

198644. *43-07-21.*

**198645. DIOSCOREA sp. Dioscoreaceae.**

From Costa Rica. Tubers presented by J. R. Hunter, San José. Received Nov. 19, 1951.

**198646 to 198657. ALLIUM spp. Liliaceae.**

From Canada. Plants presented by Skinner's Nursery, Ltd., Dropmore, Manitoba. Received Nov. 20, 1951.

198646. *ALLIUM ALBOPILOSUM* C. H. Wright.

198647. *ALLIUM BEESIANUM* W. W. Smith.

198648. *ALLIUM CAERULEUM* Pall.

198649. *ALLIUM FLAVUM* L.

**198646 to 198657.—Continued**

198650. *ALLIUM FLAVUM* var. *PULCHELLUM* (Don) Regel.  
 198651. *ALLIUM KANSUENSE* Regel.  
 198652. *ALLIUM MOLY* L.  
 198653. *ALLIUM NUTANS* L.  
 198654. *ALLIUM ODORUM* L.  
 198655. *ALLIUM OSTROWSKIANUM* Regel.  
 198656. *ALLIUM TATARICUM* L.f.  
 198657. *ALLIUM ZEBDANENSE* Boiss. & Noe.

**198658. FRAGARIA. Rosaceae.****Strawberry.**

From France. Plants presented by Vilmorin-Andrieux & Co., Paris. Received Nov. 20, 1951.

*Simmen.*

**198659 and 198660.**

From Kenya. Seeds presented by S. F. Rawlins, Hoey's Bridge. Received Nov. 21, 1951.

198659. *ARGYROLOBIUM* sp. Fabaceae.  
 198660. *GLYCINE JAVANICA* L. Fabaceae.

**198661 to 198663. MEDICAGO TRIBULOIDES Desr. Fabaceae.**

From Australia. Seeds presented by Dr. William Hartley, Division of Plant Industry, Department of Agriculture, Canberra, A. C. T. Received Nov. 21, 1951.

198661. C.P.I. 12636.  
 198662. V-29.  
 198663. V-35.

**198664 to 198671. DIOSCOREA spp. Dioscoreaceae.**

From Brazil. Tubers presented by Dr. Temple Clayton, Shering Corporation, Rio de Janeiro. Received Nov. 23, 1951.

198664. *DIOSCOREA* sp.  
 No. 3. D.N.L.  
 198665. *DIOSCOREA* sp.  
 No. 6. D.N.L.  
 198666. *DIOSCOREA* sp.  
 No. 13. D.N.L.  
 198667 to 198669. *DIOSCOREA ALATA* L.  
 198667. No. 28. D.N.L.  
 198668. No. 30. D.N.L.  
 198669. No. 46. D.N.L.  
 198670. *DIOSCOREA* sp.  
 No. 47. D.N.L.  
 198671. *DIOSCOREA ALATA* L.  
 No. 80. D.N.L.

**198672 to 198674.**

From Maryland. Seeds stored at the United States Plant Introduction Garden, Glenn Dale. Numbered Nov. 26, 1951.

**198672.** CUCURBITA MAXIMA Duchesne. Cucurbitaceae. **Squash.**

*Balkabaghi.* A selection from P.I. 165001, originally collected in Turkey.

**198673.** HIBISCUS CANNABINUS L. Malvaceae. **Kenaf.**

From market, Chunchon, Kangwon-do, Korea, through the Agricultural Experiment Station, Durham, N. H.

**198674.** LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill. Solanaceae.

Strain 907-W. Originally collected in Mexico by Dr. M. C. Richards, and taken from plants raised at the Agricultural Experiment Station, Durham, N. H.

**198675 to 198680.** BETA VULGARIS L. Chenopodiaceae. **Beet.**

From Italy. Seeds presented by the Stazione Sperimentale de Bieticoltura, Rovigo. Received Nov. 26, 1951.

**198675.** No. 1. **198678.** No. 19.

**198676.** No. 9. **198679.** No. 20.

**198677.** No. 18. **198680.** No. 21.

**198681 to 198683.** QUERCUS spp. Fagaceae. **Oak.**

From Denmark. Seeds presented by the Botanic Garden, Copenhagen. Received Nov. 27, 1951.

**198681.** QUERCUS CERRIS × CASTANAEAFOLIA.

**198682.** QUERCUS FARNETTO Tenore.

**198683.** QUERCUS CASTANAEAFOLIA C. A. Mey.

**198684.** STROPHANTHUS sp. Apocynaceae.

From the Belgian Congo. Seeds presented by V. Becquart, Elisabethville. Received Nov. 28, 1951.

**198685 to 198721.** AGAVE spp. Amaryllidaceae.

From California. Plants growing at the Huntington Gardens, San Marino. Numbered Nov. 29, 1951.

A collection assembled by H. S. Gentry from Baja California, Mexico, between April and October 1951.

**198685 and 198686.** AGAVE NELSONII Trel.

**198685.** No. 10374. San Fernando.

**198686.** No. 11155. San Fernando.

**198687.** AGAVE GOLDMANIANA Trel.

No. 11183. Socorro.

**198688.** AGAVE sp.

No. 11186. Catavina.

**198689 and 198690.** AGAVE CERULATA Trel.

**198689.** No. 11188. Laguna Seca Chapala.

**198690.** No. 11189. Laguna Seca Chapala.

**198691.** AGAVE GOLDMANIANA Trel.

No. 11191. Rancho Mesquital.

**198692.** AGAVE sp.

No. 11198. La Paz.

## 198685 to 198721.—Continued

198693. *AGAVE DATYLIO* Weber.  
No. 11200. La Paz.
- 198694 and 198695. *AGAVE PROMONTORI* Trel.  
198694. No. 11218. Sierra Laguna. Altitude 6,000 ft.  
198695. No. 11229. Sierra Laguna. Altitude 2,500 ft.
198696. *AGAVE* sp.  
No. 11231. Sierra Laguna, eastern foothills.
198697. *AGAVE PROMONTORI* Trel.  
No. 11234. Sierra Laguna, western foothills.
198698. *AGAVE* sp.  
No. 11247. Cabo San Lucas.
198699. *AGAVE* sp.  
No. 11250. Cabo San Lucas.
198700. *AGAVE* sp.  
No. 11253. San José del Cabo.
198701. *AGAVE* sp.  
No. 11255. Las Cuevas.
198702. *AGAVE* sp.  
No. 11257. Punta Frailes.
198703. *AGAVE* sp.  
No. 11260. Punta Frailes.
198704. *AGAVE* sp.  
No. 11261. Punta Frailes.
198705. *AGAVE* sp.  
No. 11262. Punta Frailes.
198706. *AGAVE* sp.  
No. 11264. Punta Frailes.
198707. *AGAVE SISALANA* Perrine.  
No. 11270. El Triunfo.
198708. *AGAVE* sp.  
No. 11268. El Triunfo.
- 198709 to 198711. *AGAVE ROSEANA* Trel.  
198709. No. 11274. Islota Gallo.  
198710. No. 11277. Espiritu Santo Island.  
198711. No. 11280. Islota Gallina.
198712. *AGAVE DATYLIO* Weber.  
No. 11281. La Paz.
198713. *AGAVE AUREA* Brandegee.  
No. 11283. La Paz.
198714. *AGAVE SOBRIA* Brandegee.  
No. 11291. Comondú.
198715. *AGAVE VEXANS* Trel.  
No. 11292. Comondú.

## 198685 to 198721.—Continued

198716. AGAVE AUREA Brandegee.

No. 11299. Comondú.

198717. AGAVE sp.

No. 11301. Canipole.

198718. AGAVE SOBRIA Brandegee.

No. 11303. Canipole.

198719. AGAVE GOLDMANIANA Trel.

No. 11320. Punta Prieta.

198720 and 198721. AGAVE CERULATA Trel.

198720. No. 11321. Laguna Seca Chapala.

198721. No. 11327. Between Laguna Seca Chapala and Jaraguay.

## 198722 to 198730. GOSSYPIUM. Malvaceae. Cotton.

From Brazil. Seeds presented by the Instituto Agronómico, Campinas, São Paulo. Received Nov. 30, 1951.

198722. *D P 11 A 49/5.*198727. *D P 11 A 49/38.*198723. *D P 11 A 49/17.*198728. *1 A 7470 49/64.*198724. *D P 11 A 49/19.*198729. *Mexican 49/66.*198725. *D P 11 A 49/21.*198730. *Mexican 49/67.*198726. *1 A 21077 49/25.*

## 198731. QUERCUS WISLIZENII DC. Fagaceae.

From California. Seeds obtained through Willis W. Waggener, Bureau of Plant Industry, Soils, and Agricultural Engineering, San Francisco. Received Dec. 3, 1951.

## 198732. CENTAUREA sp. Asteraceae.

From Japan. Seeds presented by Miss Lillie M. Nicholson, Oakland, Calif. Received Dec. 3, 1951.

*Peace Flower.*

## 198733. LACTUCA SATIVA L. Cichoriaceae. Lettuce.

From Israel. Seeds presented by Yehuda Lowe, Agricultural Attaché, Embassy of Israel, Washington, D. C. Received Dec. 3, 1951.

*Joy of the Village.*

## 198734 to 198741.

From Afghanistan. Seeds presented by T. A. Pasto, Tallahassee, Fla. Received Dec. 3, 1951.

From Ghazi, south of Kabul toward Kandahar. Altitude 8,000 ft.

198734. HORDEUM VULGARE L. Poaceae.

Common barley.

198735. PISUM SATIVUM L. Fabaceae.

Pea.

198736. SECALE CEREALE L. Poaceae.

Rye.

198737. TRIFOLIUM RESUPINATUM L. Fabaceae.

Persian clover.

198738 to 198740. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

198738. No. 3.

198739. No. 1.

198740. No. 2.

198741. ZEA MAYS L. Poaceae.

Corn.

- 198742.** *STACHYS SIEBOLDII* Miq. Menthaceae. **Chorogi.**  
From Japan. Tubers presented by Hokkaido University, Sapporo, Hokkaido.  
Received Dec. 5, 1951.
- 198743 to 198747.** *SACCHARUM.* Poaceae. **Sugarcane.**  
From Formosa. Cuttings presented by the Sugar Research Institute, Pingtung. Received Dec. 6, 1951.
198743. *P. T. 43-52.* 198746. *P. T. 47-1079N.*  
198744. *P. T. 46-127.* 198747. *P. T. 47-11302.*  
198745. *P. T. 47?*
- 198748 to 198760.** *BETA* spp. Chenopodiaceae.  
From Europe and Egypt. Seeds presented by the Division of Sugar Plant Investigations, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md. Received Dec. 7, 1951.  
Collected by G. H. Coons, of the above Division, during the years 1946 to 1951.
198748. *BETA TRIGYNA* Waldst. & Kit.  
Jardin Botanique Molotof, Yalta, Soviet Union.
- 198749 to 198760.** *BETA VULGARIS* L. **Beet.**
198749. Fouad I Museum Herbarium, 198755. Sarzeau, France.  
Cairo, Egypt. 198756. Petri, Vendée, France.  
198750. Kalundborg, Denmark. 198757. Algneirão, Portugal.  
198751. Sacavém, Portugal. 198758. Coimbra, Portugal.  
198752. Blakeney Harbour, 198759. Le Pouliguen, France.  
Norfolk, England. 198760. Étapes, France.  
198753. Brevin Les Pins, France.  
198754. Ostende, Belgium.
- 198761.** *LACTUCA SERRIOLA* L. Cichoriaceae.  
From Turkey. Seeds presented by the Ankara Station for Seed Improvement, Ankara. Received Dec. 7, 1951.
- 198762 to 198764.** *NICOTIANA TABACUM* L. Solanaceae. **Tobacco.**  
From India. Seeds presented by the Central Tobacco Research Institute, Rajahmundry. Received Dec. 10, 1951.
198762. *Dindigul Cheroot.*  
198763. *Lanka.*  
198764. *Natu.*
- 198765.** *JUGLANS MOLLIS* Engelm. Juglandaceae.  
From Guatemala. Seeds presented by W. H. Cowgill, Alta Verapaz. Received Dec. 10, 1951.
- 198766.** *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**  
From the Netherlands. Tubers presented by J. J. Grullemans and Sons, Lisse. Received Dec. 11, 1951.  
*Eigenheimer.*
- 198767.** *MEDICAGO TRIBULOIDES* Desr. Fabaceae.  
From Australia. Seeds presented by A. Hannaford and Son, Ltd., Woodville, South Australia. Received Dec. 12, 1951.

**198768 to 198774. ZEA MAYS L. Poaceae. Corn.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received Dec. 12, 1951.

A collection of inbred lines.

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|----------------------|-----------------------|
| 198768. <i>M 16.</i> | 198772. <i>23.</i>    |
| 198769. <i>KE 1.</i> | 198773. <i>Y1.</i>    |
| 198770. <i>25.</i>   | 198774. <i>FF 12.</i> |
| 198771. <i>21.</i>   |                       |

**198775 and 198776. DACTYLIS GLOMERATA L. Poaceae. Orchard grass.**

From Israel. Seeds obtained by A. T. Semple, Food and Agriculture Organization, United Nations, New York, N. Y. Received Dec. 12, 1951.

198775. Cooperative Farm, Matzuba.

198776. Near Village of Kabiri.

**198777 to 198841.**

From California. Plants growing at the Huntington Gardens, San Marino. Numbered Dec. 13, 1951.

Collected between 1950 and 1951 in Mexico and the southwestern United States by H. S. Gentry and E. C. Ogden, Agricultural Explorers, Bureau of Plant Industry, Soils, and Agricultural Engineering, Beltsville, Md.

198777. *AGAVE NEOMEXICANA* Woot. & Standl. Amaryllidaceae.

No. 9885. Davis Mountains, Tex.

198778. *AGAVE GRACILIPES* Trel.

No. 9901. Guadalupe Mountains, Tex.

198779. *AGAVE PALMERI* Engelm.

No. 9915. Pyramid Mountains, about 7 miles south of Lordsburg, N. Mex.

198780 to 198789. From Arizona.

198780. *AGAVE HUACHUCENSIS* Baker.

No. 9920. About 3 miles west of Sonoita.

198781. *AGAVE DESERTI* Engelm.

No. 9947. Harquahala Mountains.

198782. *AGAVE* sp.

No. 9961. Near Oatman.

198783. *AGAVE UTAHENSIS* Engelm.

No. 9967. Thirty-two miles east of Kingman.

198784. *AGAVE PARRYI* var. *COUESII* (Engelm.) Kearn. & Peebles.

No. 9972. Eleven miles south of Ash Fork.

198785. *AGAVE MURPHEYI* Gibson.

No. 9978. Boyce-Thompson Southwest Arboretum, Superior.

198786. *AGAVE TOUMEYANA* Trel.

No. 9982. Limestone Mountain, 1 mile east of Superior.

198787. *AGAVE CHRYSANTHA* Peebles.

No. 9984. One mile east of Superior.

198788. *AGAVE PARRYI* Engelm.

No. 9987. About 5 miles south of Seneca.

198789. *AGAVE*.

No. 9991. *A. chrysantha* × *parryi*. Sixteen miles northeast of Globe.

## 198777 to 198841.—Continued

198790. *AGAVE SCHOTTII* Engelm.  
No. 10014. South end of Peloncillo Mountains, N. Mex.
198791. *AGAVE TOUMEYANA* Trel.  
No. 10033. Twenty-two miles north of Winkelman, Ariz.
- 198792 to 198799. From California.
198792. *AGAVE* sp.  
No. 10034. Three to four miles south of Palm Desert, Station Rose Mountain.
- 198793 to 198799. *AGAVE DESERTI* Engelm.
- 198793 to 198797. One mile east of Pinyon Flats, Santa Rosa Mountains.
198793. No. 10051.                      198796. No. 10055a.  
198794. No. 10054.                      198797. No. 10057.  
198795. No. 10055.
198798. No. 10041. Yaqui Wells on the San Felipi Arroyo.  
198799. No. 10198. Mitchel's Caverns, Providence Mountains.
- 198800 to 198841. From Mexico.
- 198800 to 198806. From Sonora.
198800. *AGAVE* sp.  
No. 10204. *Pelon.* Sierra del Viejo.
198801. *AGAVE* sp.  
No. 10208. Sierra del Viejo.
198802. *AGAVE YAQUIANA* Trel.  
No. 10212. Four miles north of Rancho Tinaja, Altar District.
198803. *AGAVE SCHOTTII* Engelm.  
No. 10211. Five and one-half miles east of Datil.
198804. *AGAVE* sp.  
No. 10219. North end of Sierra Coloral.
198805. *AGAVE* sp.  
No. 10220. Pass below Rancho Coyote, near Desemboque.
198806. *AGAVE* sp.  
No. 10223. Cerro Punta Tepopa.
198807. *AGAVE MAYOENSIS* Gentry.  
No. 10245. Sierra Charuco, Chihuahua.
198808. *AGAVE* sp.  
No. 10254. Western rim of Arroyo Honda, Sierra Charuco, Sonora.
198809. *AGAVE YAQUIANA* Trel.  
No. 10258. San Bernardo, near Álamos, Sonora.
198810. *AGAVE PALMERI* Engelm.  
No. 10277. Sierra del Pajarito, about 12 miles east of Ures, Sonora.
- 198811 to 198824. From Baja California.
198811. *AGAVE PRINGLEI* Engelm.  
No. 10287. North end of Sierra San Pedro Martin.

## 198777 to 198841.—Continued

## 198800 to 198841.—Continued

## 198811 to 198824.—Continued

198812. AGAVE VEXANS Trel.

No. 10302. Rancho Panales, Arroyo Purísima.

198813. AGAVE sp.

No. 10304. *Oregon*. Arroyo Purísima above Purísima.

198814. AGAVE SOBRIA Brandegee.

No. 10308. Arroyo Purísima above Purísima.

198815. AGAVE CERULATA Trel.

No. 10330. San Ignacio.

198816. AGAVE sp.

No. 10327. Western foothills of Sierra Giganta.

198817. AGAVE CERULATA Trel.

No. 10346. Calnali.

198818 and 198819. AGAVE GOLDMANIANA Trel.

198818. No. 10349. Near Marmolito.

198819. No. 10355. About 7 miles south of Tinaja Yubai.

198820. AGAVE sp.

No. 10359. About 7 miles south of Tinaja Yubai.

198821. AGAVE GOLDMANIANA Trel.

No. 10367. About 7 miles west of Tinaja Yubai.

198822 and 198823. AGAVE NELSONII Trel.

198822. No. 10375. North of San Fernando.

198823. No. 10376. Eighteen miles east of Rosario.

198824. AGAVE GOLDMANIANA Trel.

No. 10379. Six miles north of Socorro.

198825. AGAVE ASPERRIMA Jacobi.

South slope of Zarca Mesa, Rio Nazas basin, Durango.

198826. AGAVE sp.

No. 10399. Kilometer 183, Mexican Highway 45, Querétaro.

198827. AGAVE sp.

No. 10390. Vicinity of Pachuca, Hidalgo.

198828. AGAVE sp.

No. 10423. Acultzingo, Veracruz.

198829. AGAVE sp.

No. 10426. *Pichomel*. About 20 miles northwest of Tehuacán, Puebla.

198830 to 198834. From Michoacán.

198830. AGAVE sp.

No. 10427. Six to ten miles west of Mil Cumbres on road to Morelia.

198831. AGAVE ATTENUATA Salm-Dyck.

No. 10430. West of Mil Cumbres on road to Morelia.

198832. AGAVE sp.

No. 10431. Between Quiroga and Pátzcuaro.

## 198777 to 198841.—Continued

198800 to 198841.—Continued

198830 to 198834.—Continued

198833. AGAVE sp.

No. 10448. Cañon del Marques between Uruapan and Apatzingán.

198834. AGAVE sp.

No. 10459. Twenty-three km. south of Carapan on road to Uruapan.

198835 to 198839. From Jalisco.

198835. AGAVE sp.

No. 10464. Tierra Blanca, between Villa Corona and Tecolotlán.

198836 to 198838. AGAVE TEQUILANA Weber.

From Tequila.

198836. No. 10469.

198837. No. 10470.

198838. No. 10471.

198839. AGAVE sp.

No. 10476. Plan de Barrancas.

198840. AGAVE COLORATA Gentry.

No. 3050. Aquibiquichi, Sonora.

198841. MANFREDA sp. Amaryllidaceae.

No. 10458. Cañon del Marques, between Uruapan and Apatzingán, Michoacán, Mexico.

198842. DANTHONIA sp. Poaceae.

From Spain. Seeds presented by the Granja Experimental Reproductora de Plantas Especiales, Villamanta, Madrid. Received Dec. 14, 1951.

198843 to 198845. CARTHAMUS TINCTORIUS L. Asteraceae.

**Safflower.**

From France. Seeds presented by the National School of Agriculture, Montpellier, Hérault. Received Dec. 17, 1951.

198843. *Bold*.198844. *Inerme Jaune*.198845. *Inerme Rouge*.

198846 to 198850.

From Chile. Seeds presented by Carlos Junge, Jardin Zoológico, Concepción. Received Dec. 17, 1951.

198846. ESCALLONIA PULVERULENTA (Ruiz &amp; Pav.) Pers. Escalloniaceae.

198847. LIBERTIA CAERULESCENS Kunth. Iridaceae.

198848. LINUM CHAMISSONIS Schiede. Linaceae.

198849. PODANTHUS OVATIFOLIUS Lagasca. Asteraceae.

198850. SOPHORA MACROCARPA J. E. Sm. Fabaceae.

198851 to 198884.

From Florida. Plants growing at the United States Plant Introduction Garden, Coconut Grove. Numbered Dec. 19, 1951.

Origin given when known.

## 198851 to 198884.—Continued

- 198851 to 198853. Received through E. A. Menninger, Stuart, Fla.
198851. *ACACIA NILOTICA* (L.) Willd. Mimosaceae.  
Tropical Africa.
198852. *AGATHIS AUSTRALIS* (Lamb.) Steud. Pinaceae.  
Northland, New Zealand.
198853. *ALBIZZIA LONGEPEDATA* Britt. & Rose. Mimosaceae.  
Honduras.
198854. *ANTHOCEPHALUS CADAMBA* (Roxb.) Miq. Rubiaceae.  
India.
198855. *CASSIA LAEVIGATA* Willd. Caesalpiniaceae.  
The Jardin d'Essai du Hamma, Algeria.
198856. *CASSIA NICARAGUENSIS* Benth.  
Adelaide, South Australia, through E. A. Menninger.
198857. *CEPHAELIS IPECACUANHA* (Brot.) Rich. Rubiaceae.
198858. *COCHLOSPERMUM GILLIVRAEI* Benth. Cochlospermaceae.  
Adel's Grove Botanic Gardens, Camooweal, Queensland, Australia.
198859. *CYPHOMANDRA* sp. Solanaceae.
198860. *DAIS COTINIFOLIA* L. Thymelaeaceae.  
National Botanic Gardens, Kirstenbosch, Union of South Africa.
198861. *DOMBEYA GOETZENII* K. Schum. Sterculiaceae.  
Forest Department, Kenya.
198862. *EUCALYPTUS LEHMANNII* (Schauer) Preiss. Myrtaceae.  
From Western Australia.
198863. *HETEROPHRAGMA ADENOPHYLLUM* (DC.) Seem. Bignoniaceae.  
Tropical Africa, through E. A. Menninger.
198864. *HIBISCUS* sp. Malvaceae.
198865. *HOVENIA DULCIS* Thunb. Rhamnaceae.  
The Jardin d'Essai du Hamma, Algeria.
198866. *JASMINUM ANGUSTIFOLIUM* Vahl. Oleaceae.  
India, through E. A. Menninger.
198867. *LABOURDONNAISEA ALBESCENS* (Griseb.) Benth. Sapotaceae.  
The Atkins Garden and Research Laboratory, Cienfuegos, Cuba.
- 198868 to 198871. Received through E. A. Menninger, Stuart, Fla.
198868. *LUEHEA CANDIDA* (DC.) Mart. Tiliaceae.  
Honduras.
198869. *LUEHEA SPECIOSA* Willd.  
Honduras.
198870. *MELASTOMA SANGUINEUM* Sims. Melastomaceae.  
Hong Kong, China.
198871. *MELASTOMA SEPTEMNERVIUM* Lour.  
Hong Kong, China.
198872. *MILETTIA AURICULATA* Baker. Fabaceae.  
Forest Research Institute, Dehra Dun, India.

## 198851 to 198884.—Continued

198873. *OUGEINIA DALBERGIOIDES* Benth. Fabaceae.  
Forest Research Institute, Dehra Dun, India.
198874. *PARKIA SPECIOSA* Hassk. Fabaceae.  
Botanic Gardens, Bogor, Dyawa, Indonesia.
198875. *PSEUDOPHOENIX VINIFERA* Becc. Phoenicaceae. **Palm.**  
Haiti.
198876. *PSIDIUM FRIEDRICHSTHALIANUM* (Berg.) Ndzu. Myrtaceae.  
E. L. Campbell, Miami, Fla.
198877. *PTEROCARPUS SANTALINUS* L.f. Fabaceae.  
India, through E. A. Menninger.
- 198878 and 198879. From Funchal, Madeira, through E. A. Menninger.
198878. *SCHOTIA* sp. Fabaceae.
198879. *SCHOTIA* sp.
198880. *SOPHORA TETRAPTERA* J. Miller. Fabaceae.  
Chile.
198881. *STRYCHNOS NUX-VOMICA* L. Loganiaceae.  
Cuddapah, India, through E. A. Menninger.
198882. *TABEBUIA CHRYSANTHA* (Jacq.) Nicholson. Bignoniaceae.  
Venezuela, through Hugh Curran.
198883. *TABEBUIA DONNELL-SMITHII* Rose.  
Honduras, through E. A. Menninger.
198884. (Undetermined.)  
A tropical American tree with showy, tubular, blue or violet flowers.
198885. *SORGHUM VULGARE* Pers. Poaceae.  
From Australia. Seeds presented by the Gippsland & Northern Co-operative Company, Ltd., Melbourne, Victoria. Received Dec. 19, 1951.  
*Sweet Saccaline.*
198886. *TRIFOLIUM REPENS* L. Fabaceae. **White clover.**  
From Denmark. Seeds presented by the Cooperative Seed Growing Association, Taastrup. Received Feb. 25, 1952.  
*Morsø øtofte.*
198887. *STROPHANTHUS* sp. Apocynaceae.  
From New York. Seed presented by J. Monachino, New York Botanical Garden, Bronx Park, N. Y. Received Dec. 21, 1951.  
*M.P.D. 50.*
- 198888 to 198906. *ZEA MAYS* L. Poaceae. **Corn.**  
From Iowa. Seeds planted at the Regional Plant Introduction Station, Ames. Numbered Dec. 27, 1951.  
Inbred lines obtained originally from South America by N. P. Neal, Agricultural Experiment Station, Madison, Wis.
198888. *4F-35 BK.* 198891. *4F-216 BT 15.*  
198889. *4F-182 BS11.* 198892. *4F-234 BX 4.*  
198890. *4F-203 AM6.* 198893. *4F-240 BX 16.*

**198888 to 198906.—Continued**

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| 198894. <i>4F-259 HQ.</i>    | 198901. <i>4F-342 CM 4.</i>  |
| 198895. <i>4F-285 TX 15.</i> | 198902. <i>4F-345 CN 12.</i> |
| 198896. <i>4F-300 AD 3.</i>  | 198903. <i>4F-350 CN 2.</i>  |
| 198897. <i>4F-306 108.</i>   | 198903. <i>4F-350 CN 2.</i>  |
| 198898. <i>4F-316 CB 19.</i> | 198904. <i>4F-353 CN 33.</i> |
| 198899. <i>4F-321 CE 22.</i> | 198905. <i>4F-374 GE 3.</i>  |
| 198900. <i>4F-332 LJ 2F.</i> | 198906. <i>4F-403 JV 15.</i> |

**198907 and 198908.**

From Italy. Seeds presented by the University of Florence, Florence. Received Dec. 28, 1951.

198907. *ERAGROSTIS CYLINDRICA* (Roxb.) Nees. Poaceae.

198908. *AVENA SATIVA* L. Poaceae. Oats.

**198909. CASUARINA EQUISETIFOLIA** Stickm. Casuarinaceae.

From California. Seeds presented by N. H. Fritz, J. G. White Engineering Corporation, San Francisco. Received Dec. 29, 1951.

**198910 to 198914.**

From Brazil. Seeds presented by M. L. Owen, Aquidauana, Mato Grosso. Received Dec. 29, 1951.

198910. *DACTYLOCTENIUM AEGYPTIUM* (L.) Richter. Poaceae.

No. 20.

198911. *DIGITARIA* sp. Poaceae.

No. 27.

198912. *LYCOPERSICON ESCULENTUM* var. *CERASIFORME* (Dun.) A. Gray. Solanaceae.

No. 25.

198913. *PHASEOLUS CARACALLA* L. Fabaceae. Snail bean.

No. 21.

198914. *TRIPSACUM* sp. Poaceae.

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*Acnida cannabina*, 197300.  
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*Adesmia incana*, 197845.  
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*tensis*.  
*Bombax* sp., 197668.  
*Boophone disticha*, 194170, 194479,  
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*Bowica volubilis*, 194480.  
*Brassavola cucullata*, 197507.

- Brassica napus*, 196415, 196416.  
*napus* var. *napobrassica*, 196417.  
*nigra*, 193459, 193460.  
*oleracea* var. *botrytis*, 193461, 195910, 195911.  
*capitata*, 193462, 193463, 194069, 194070, 194226, 195908, 195909.  
*gemmifera*, 193464.  
*gongylodes*, 193465, 193466.  
*pekinensis*, 195912, 195913.  
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- Brickellia spinulosa*, 197669.  
*Briza triloba*, 197301, 197846.  
 Broadbean. See *Vicia faba*.  
 Bromegrass. See *Bromus inermis*.  
*Bromus brevis*, 197847.  
*catharticus*, 195476, 197848, 197849.  
*haenkeanus*, 197850.  
*inermis*, 195537–195541, 198064.  
*mollis*, 197851.  
*pumpellianus*, 196321.  
*rigidus*, 197570.  
*rubens*, 197571.  
*syriacus*, 194453, 194454.  
*valdivianus*, 197852.  
*vernalis*, 196322.
- Brunsvigia radulosa*, 195263.  
*rosea*, 194150.  
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- Brussels sprouts. See *Brassica oleracea* var. *gemmifera*.  
*Bryophyllum* sp., 196837.
- Buckwheat. See *Fagopyrum tataricum*.  
 Buffelgrass. See *Pennisetum ciliare*.  
*Bulbine* sp., 196777.  
*Bulbinella robusta*, 196189.  
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- Burclover. See *Medicago hispida*.  
 Buttonclover. See *Medicago orbicularis*.
- Cabbage. See *Brassica oleracea* var. *capitata*.  
*Cactus* sp., 197564.  
*Cajanus cajan*, 196990–196995.  
*Calamagrostis viridi-flavescens*, 197853.  
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*Calliandra* spp., 195765, 195766.  
*Callitris glauca*, 198577.  
*Calophyllum inophyllum*, 193352.  
*Calopogonium caeruleum*, 195288.  
*Camelina sativa*, 195742–195749.  
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- Camellia japonica*, 194439–194446.  
*Canavalia* spp., 194769, 195289–195294, 195767–195769, 196996–196999, 197148, 197149, 197670.  
*Canna* spp., 193672, 194257, 194258, 194905, 195555.  
*Cantharospermum scarabaeoideum*, 195838.  
 Cape-cowslip. See *Lachenalia rubida*.  
*Capsicum frutescens*, 193468–193472, 193762, 193763, 194259–194261, 194560, 194566–194569, 194721–194273, 194879–194881, 194908–194911, 195275, 195276, 195295–195303, 195556–195558, 195770, 196294, 196575, 196576, 197000, 197150–197153, 197404–197410, 198635–198637.  
*pubescens*, 194882, 197084.  
*Carica papaya*, 194262, 194263, 194906, 194907, 195559, 195560, 195924, 196838, 197411–197413.  
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*Carthamus tinctorius*, 193473–193475, 193764, 193765, 194562, 194563, 194913, 195471, 195472, 195895, 195925, 196601, 197190–197193, 197831, 197832, 198009, 198289–198294, 198843–198845.  
*Cassia angustifolia*, 198295.  
*laevigata*, 198610, 198855.  
*mimosoides*, 194854.  
*nicaraguensis*, 198856.  
*reticulata*, 195304.  
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*Casuarina equisetifolia*, 198909.  
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*Cattleya aurantiaca*, 197589.  
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*Cedrus libanensis*, 194129.  
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*Cenchrus setigerus*, 193444.  
*Centaurea* sp., 198732.  
*Centrosema brasilianum*, 195305.  
*pubescens*, 196295, 197001–197004.  
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*Cephaelis ipecacuanha*, 198857.  
*Ceratania siliqua*, 194137, 194885–194887.  
*Cercidium* sp., 195306.  
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- Chingma. See *Abutilon theophrasti*.  
*Chloris caribaea*, 197302.  
*inflata*, 196199.  
*mollis*, 196200.  
*pycnothrix*, 194312.  
*uliginosa*, 197303.  
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*Chlorophytum capense*, 194222.  
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*Chrysanthemum segetum*, 193477.  
*Chrysopogon montanus*, 196210.  
*Cicer arietinum*, 193478–193488, 193766–193768, 193961, 193962, 195307–195309, 195561, 195926, 196840, 197415.  
*Cichorium endivia*, 196841.  
*Cissus* sp., 196980.  
*Citrullus colocynthis*, 195927.  
*vulgaris*, 193490, 193963–193965, 195562, 195771, 195928, 196531, 196532, 197416.  
*Citrus*, 193296.  
*aurantifolia*, 194064, 194065, 195126, 197194.  
*bergamia*, 194657.  
*limon*, 194066, 194067, 194522, 194523, 194877, 197195.  
*reticulata*, 193378, 194218, 195127, 196308.  
*sinensis*, 193379.  
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*Clappertonia ficifolia*, 195135.  
*minor*, 195136.  
*Clivia caulescens*, 194611.  
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*Cnidioscolus* sp., 197963.  
*Cochlospermum gillivraei*, 198858.  
*gossypium*, 194498.  
*Coelachyrum stoloniferum*, 197534.  
*Coffea* spp., 193491, 194264–194266, 194724–194732, 194914, 194915, 195310, 195563, 196842, 197206–197208, 197560, 197561.  
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*Coix lacryma-jobi*, 196211.  
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*Corchorus capsularis*, 195282, 195283, 197538.  
*Cordia globosa*, 194499.  
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*Coriaria ruscifolia*, 196276.  
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*Coronilla emerus*, 194687.  
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*bipinnatus*, 193494.  
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*Crassula* sp., 197748.  
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*Crinum buphanioides*, 193710.  
*crassipes*, 196979.  
*erubescens*, 196972.  
*giganteum*, 196265.  
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*incana*, 194267.  
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*Cryptostegia* sp., 197209.  
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*Cucumis anguria*, 196477.  
*dipsaceus*, 193498.  
*ficifolius*, 196844.  
*melo*, 193495, 194051–194057, 196289, 197076–197079, 197891, 198638.  
*prophetarum*, 193967.  
*sativus*, 193496, 193497, 193966, 197085–197088.  
*Cucurbita ficifolia*, 194912, 195564.  
*lundelliana*, 197156, 197157.  
*maxima*, 196577, 197418, 198672.  
*moschata*, 193500, 194570, 195277, 195311, 195312, 196923–196925, 197007, 197089, 197154, 197155, 197964.  
*pepo*, 193499, 193501–193503, 193771, 193772, 193968, 194268, 194269, 195929, 196845, 197090.  
*pepo* var. *ovifera*, 196309, 197671.  
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*Cuminum cyminum*, 195930.  
*Cupressus sempervirens* var. *horizontalis*, 194130.  
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*Cyamopsis tetragonoloba*, 198296, 198297.  
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*Cymbopogon goeringii*, 194855.  
*martinii*, 196212.  
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- Cyrtocarpa* sp., 197672.
- Cyrtostachys elegans*, 197264.  
*lakka*, 197265.  
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- Dactylis glomerata*, 194392, 194455–194457, 194700, 196419, 196537, 197178, 197179, 197325, 198775, 198776.
- Dactyloctenium aegyptium*, 197419–197422, 198910.
- Dahlia* sp., 194878.
- Dais cotinifolia*, 198860.
- Danthonia* sp., 198842.
- Darnel. See *Lolium temulentum*.
- Dasyilirion wheeleri*, 193368, 193369.  
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- Date. See *Phoenix dactylifera*.
- Datura meteloides*, 195492.  
*stramonium*, 193969.  
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- Daucus carota*, 193504–193506, 196847.
- Delphinium* sp., 196260.
- Dendrobium crepidatum*, 193707.  
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*falconeri*, 193704.
- Desmodium barbatum*, 197549.  
*canum*, 197550.  
*gyroides*, 193940.  
*heterocarpum*, 193941.  
*polycarpum*, 195839.  
*pulchellum*, 195840.  
*uncinatum*, 197551, 197552.  
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- Dianthus caryophyllus*, 194131.  
*japonicus*, 194542.
- Dichanthium aristatum*, 196339.
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*fuscescens*, 196478.  
*ischaemum*, 196213.  
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- Dill. See *Anethum graveolens*.
- Dinebra retroflexa*, 194916.
- Dioscorea alata*, 198083, 198667–198669, 198671.  
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*macrostachya*, 196145, 196382.  
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- Diospyros kaki*, 194107–194112.
- Dipcadi viride*, 196978.
- Diphysa* sp., 197673.
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- Dolichos biflorus*, 196290.  
*lablab*, 195851, 196353, 197010, 197091.
- Dombeya goetzenii*, 198861.  
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- Dovyalis abyssinica*, 193507.
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- Dunbaria subrhombica*, 195841.
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- Eggplant. See *Solanum melongena*.
- Ehrharta calycina*, 193322–193332, 196354, 198553.  
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- Eleusine coracana*, 193970, 194918-194922, 196848, 196849, 198298-198311.  
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- Encelia frutescens*, 193370.
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- Entada abyssinica*, 196850.
- Epidendrum adenocarpon*, 197512.  
*memorale*, 197591.  
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- Eragrostis aquatica*, 194856.  
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- Erianthus kanashiroi*, 194116.
- Eriobotrya japonica*, 193974.
- Erythrina herbacea*, 195774, 197674.  
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- Eucalyptus clavigera*, 194504.  
*lehmannii*, 198862.
- Euchlaena mexicana*, 194185.
- Eucomis punctata*, 195875.  
*regia*, 195218, 196801.  
*undulata*, 195861, 196191.  
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- Euphorbia antisiphilitica*, 195850.  
*candelabrum*, 195939.  
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*elatior*, 196420, 197823, 197994, 198065, 198066, 198088.  
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- Freesia climensis*, 196785.
- Furcraea* sp., 197537.
- Galactia* spp., 195316, 195775, 196809, 197011, 197012.
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- Galtonia candicans*, 196192.
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- Geranium nepalense* var. *thunbergii*, 194543.  
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*yedoense* var. *nipponicum*, 194545.
- Ginger. See *Zingiber officinale*.
- Girardinia palmata*, 193376, 193377.
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*psittacinus*, 194437.  
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- Grass, barnyard. See *Echinochloa crus-galli*.  
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- Grewia salvifolia*, 194505.
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- Hibiscus cannabinus*, 194229-194232, 195751, 196988, 196989, 198673.  
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- Hyparrhenia hirta*, 197327, 198587.  
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- Hypericum senanense*, 194546.
- Hypoxis decumbens*, 196578.  
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- Ilex aquifolium*, 198275, 198276.  
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- Impatiens tinctoria*, 194716, 196261.
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     *nigra*, 198623.  
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*rantonnetii*, 194795.  
*rybinii*, 195198, 195199.  
*santolallae*, 195168.  
*simplicifolium*, 195200.  
*sisymbriifolium*, 193952, 194516.  
*soukupii*, 195201, 195202.  
*stenotomum*, 195203–195205.  
*tarijense*, 195206.  
*tenuifilamentum*, 195207–195209.  
*tlaxcalense*, 195169.  
*toralapanum*, 195210.  
*torvum*, 194790.  
*tuberosum*, 193669, 194121–194124, 194537–194539, 194717–194720, 195139–195156, 195211, 195212, 196135, 196136, 196147, 196437–196439, 196534, 197504–197506, 197750–197753, 197904–197906, 197932, 197933, 198172, 198766.  
*verrucosum*, 195170–195172.  
*xanthocarpum*, 196137.  
*yabari*, 195213, 195214.  
 spp., 194352, 195813, 195814, 196042, 196043, 196954.
- Sophora macrocarpa*, 198850.  
*tetraptera*, 198880.  
 sp., 193598.
- Sorghum alnum*, 197316, 197317.  
*halepense*, 196254.  
*intrans*, 198159.  
*vulgare*, 193600–193617, 193741, 193852–193855, 194353–194357, 195038–195044, 195409, 195681–195690, 195754, 195755, 196044–196074, 196471, 196583–196600, 196814, 196891, 196892, 197049, 197050, 197236–197247, 197459–197469, 197542–197548, 198885.  
 spp., 196255, 196890.
- Soybean. See *Glycine max.*  
*Soymdia febrifuga*, 194517.  
*Spartium junceum*, 196893.  
 Spinach. See *Spinacia oleracea.*  
*Spinacia oleracea*, 193618–193620.  
*Spodiopogon cotulifer*, 194860.  
*Spondias* sp., 195410.  
*Sporobolus elongatus*, 194864.  
*fimbriatus*, 196372–196375, 198596, 198597.  
*pyramidalis*, 196075, 196854.  
*usitatus*, 198598.  
 sp., 196894.
- Sprekelia* sp., 196987.  
 Spruce. See *Picea maximowiczii.*  
 Squash. See *Cucurbita maxima.*  
*Stachys sieboldii*, 198742.  
*Sterculia trichosiphon*, 194518.
- Stigmaphyllon humboldtianum*, 196380.  
*Stipa brachychaeta*, 197978.  
*bromoides*, 194472.  
*hyalina*, 197867.  
*papposa*, 197868.  
*tenacissima*, 197332, 197533.  
*trichotoma*, 197869.  
 spp., 196076, 197960.
- Stizolobium aterrimum*, 197051, 197052.  
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- Strawberry. See *Fragaria.*  
 alpine. See *F. vesca.*
- Strophanthus amboensis*, 193715, 193945, 196429.  
*arnoldianus*, 195497.  
*congoensis*, 195254.  
*courmontii*, 195498, 195499, 196430.  
*divaricatus*, 194132, 195500.  
*eminii*, 193441, 195501, 195502.  
*gardeniflorus*, 193714.  
*gerrardii*, 195503.  
*grandiflorus*, 195504, 195505, 196431.  
*gratus*, 195506.  
*hispidus*, 195507–195510.  
*hypoleucus*, 195511.  
*intermedius*, 193716, 195512, 196312–196317.  
*nicholsonii*, 195255.  
*petersianus*, 196432.  
*preussii*, 195513, 198608.  
*sarmentosus*, 194843, 195514–195519.  
*schuchardtii*, 193946, 196433.  
*speciosus*, 196196.  
*thollonii*, 195520.  
*welwitschii*, 193717, 195521.  
*wightianus*, 195522.  
 spp., 193713, 193947, 195523, 197715, 198612, 198613, 198684, 198887.
- Strumaria rubella*, 196797.  
*Strychnos nux-vomica*, 198881.
- Stylosanthes bojeri*, 197554, 197555.  
*gracilis*, 197556, 197558, 197559.  
*gracilis* var. *subviscosa*, 197557.
- Sugarcane. See *Saccharum.*
- Sulla. See *Hedysarum coronarium.*
- Sunflower. See *Helianthus annuus.*
- Sweetclover. See *Melilotus* spp.  
 white. See *M. alba.*
- Sweetpotato. See *Ipomoea batatas.*
- Syncarpia glomulifera*, 194519.
- Tabebuia chrysantha*, 198882.  
*donnell-smithii*, 198883.
- Tagetes erecta*, 193621.
- Tecoma mollis*, 194520.
- Teff. See *Eragrostis tef.*
- Teosinte. See *Euchlaena mexicana.*

- Tephrosia sphaerosperma*, 198599.  
*toxicaria*, 198008.  
*vogelii*, 193944.
- Tetrachne dregei*, 198603.
- Tetragonia arbuscula*, 198600–198602.
- Themeda anathera*, 196256.  
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- Thunia* sp., 193706.
- Tillandsia* sp., 197880.
- Timothy. See *Phleum pratense*.
- Tobacco. See *Nicotiana tabacum*.  
 Aztec. See *N. rustica*.
- Tomato. See *Lycopersicon esculentum*.
- Towelgourd, suakwa. See *Luffa aegyptiaca*.
- Tragus racemosus*, 197470.
- Trefoil, birdsfoot. See *Lotus corniculatus*.
- Trichilia* sp., 195815.
- Tricholaena repens*, 196205, 197269.
- Trifolium alexandrinum*, 195914–195916.  
*amabile*, 194827.  
*basileianum*, 193743.  
*campestre*, 194473.  
*cernuum*, 196307.  
*cryptopodium*, 193745.  
*hybridum*, 194148, 195482, 197318.  
*incarnatum*, 193293.  
*isthmocarpum*, 197741.  
*lugardii*, 193744.  
*lupinaster*, 194527.  
*mexicanum*, 194828.  
*pannonicum*, 194870.  
*pratense*, 193294, 193295, 193337, 193348, 193395, 193397, 193398, 194101, 194149, 194532–194535, 195272–195274, 195483, 196424–196426, 196476, 196542, 197998, 197999.  
*repens*, 195484, 195485, 195529–195535, 197830, 197870, 197871, 198076, 198886.  
*resupinatum*, 198098, 198737.  
*semipilosum*, 196896.  
*simense*, 198554.  
*stellatum*, 198099.  
*stenophyllum*, 194474.  
*stolzii*, 194024.  
*subrotundum*, 196895, 198555.  
*subterraneum*, 194400–194419.  
*tembense*, 196898, 198556.  
*tomentosum*, 198100.  
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- Trigonella arabica*, 194476.  
*foenum-graecum*, 194017–194023, 195691, 195692, 195853, 195854, 196899, 197471.  
*suavissima*, 198170.
- Tripsacum laxum*, 196296.  
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- Triptelis leptoloba*, 198604.
- Triticum*, 197105–197108, 197135–197147.  
*aestivum*, 193382–193391, 193622–193640, 193732, 193856–193872, 193909–193938, 194025–194040, 194071–194079, 194358–194374, 195045–195107, 195124, 195413–195415, 195543–195549, 195693–195720, 195901–195907, 196077–196098, 196815, 196816, 196900–196903, 197072–197075, 197109–197131, 197248–197258, 197472–197480, 197616, 197638–197642, 197655–197664, 197697, 197730–197737, 197754, 197755, 197983–197986, 198267–198274, 198738–198740.  
*aestivum* × *Secale cereale*, 197132–197134.  
*dicoccum*, 193641–193644, 193873–193883, 194041, 194042, 194375, 195721–195723, 196099–196101, 196904, 196905, 197259, 197260, 197481–197496.  
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- Tritoma uvaria*, 196193.
- Tropaeolum majus*, 193645, 193646.
- Tulbaghia fragrans*, 194489.
- Undetermined, 193375, 194050, 194614, 194619, 194710, 194711, 194871, 194872, 194874–194876, 195223, 195229–195232, 195865, 195868, 195870, 195871, 195872, 195878, 196138, 196184, 196185, 196263, 196266, 196267, 196270, 196271, 196450, 196484, 196800, 196802, 196955, 196956, 196958–196960, 196973, 196982, 196983, 197065–197068, 197071, 197271, 197392, 197508, 197509, 197513, 197515, 197518, 197585–197587, 197590, 197592–197601, 197881–197890, 198104, 198607, 198621, 198884.
- Uraria lagapodioides*, 195849.
- Urd. See *Phaseolus mungo*.
- Urginea altissima*, 194178, 195867.  
*burkei*, 194490.  
*latissima*, 194088.  
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- Vallota speciosa*, 194095, 195882.
- Vanda caerulea*, 193708.
- Veldtgrass, perennial. See *Ehrharta calycina*.
- Vellozia phantasmagorica*, 193446.
- Veltheimia* sp., 196799.
- Veratrum album*, 195256.  
*californicum*, 195257, 197747.  
*nigrum*, 195258.  
*viride*, 193353, 195259, 195536.

- Verbena* sp., 196913.  
 Vetch. See *Vicia* spp.  
   common. See *V. sativa*.  
   purple. See *V. atropurpurea*.  
*Vetiveria zizanioides*, 196257.  
*Viburnum setigerum* f. *aurantiacum*, 198606.  
*Vicia amoena*, 194865.  
   *andicola*, 197319, 197872.  
   *angustifolia*, 196916.  
   *atropurpurea*, 197602.  
   *cassubica*, 193681.  
   *cracca*, 198260.  
   *faba*, 193647–193650, 193891–193900, 194045, 194046, 194377–194382, 195108–195111, 195731–195738, 195855, 195856, 196104–196116, 196914, 196915, 197499–197501.  
   *fulgens*, 194397.  
   *graminea*, 197320, 197873.  
   *hirsuta*, 194866, 198023.  
   *hybrida*, 193682.  
   *lutea*, 198101.  
   *onobrychoides*, 193683.  
   *oroboides*, 194695.  
   *orobus*, 194696.  
   *pyrenaica*, 196334.  
   *sativa*, 193684–193686, 194867, 198024, 198077.  
   *tetrasperma*, 194868.  
   sp., 198102.  
*Vigna cylindrica*, 197055.  
   *luteola*, 197172, 197173.  
   *sesquipedalis*, 196301.  
   *sinensis*, 193338–193347, 193651, 194202–194215, 195416, 195417, 195816, 196117–196124, 197056, 197057, 197174.  
   *vexillata*, 193746, 196302, 196472, 197175.  
   spp., 195739, 195740, 197058–197060.  
*Vincetoxicum* spp., 195418–195421.  
*Vitex altissima*, 194521.  
*Vitis vinifera*, 193304–193309, 193673, 193953, 193954, 194182–194184, 194531, 194838–194840, 197875, 198105.  
*Walafrida geniculata*, 198605.  
 Walnut, black. See *Juglans nigra*.  
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*Watsonia*, 194224.  
   *angusta*, 194091–194093, 195271.  
   *bulbillifera*, 194152.  
   *meriana*, 194225.  
   *strubemae*, 194620.  
   *tabularis*, 194153.  
   spp., 194435, 194621, 194622, 195270.  
*Weinmannia trichosperma*, 196277.  
 Wheat, common. See *Triticum aestivum*.  
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*Yucca filamentosa*, 193659.  
   *gloriosa*, 193449.  
   spp., 193374, 197972.  
*Zantedeschia aethiopica*, 194063, 194125, 194220, 194383.  
*Zea mays*, 193423–193438, 193652–193658, 193901–193908, 194047, 194048, 194384–194390, 194591–194608, 194791, 195112–195119, 195233–195246, 195422–195470, 195524, 195525, 195741, 195756, 195757, 195817–195821, 196125–196131, 196303, 196304, 196384–196411, 196414, 196427, 196473–196475, 196543–196574, 196917, 196939, 196940, 197061, 197062, 197094, 197095, 197176, 197261, 197502, 197503, 197698–197700, 197740, 197953, 197954, 197973, 198042–198059, 198641, 198741, 198768–198774, 19888–198906.  
*Zephyranthes carinata*, 196580.  
   sp., 197262.  
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*Zingiber officinale*, 193670, 193671, 194126, 194540, 196262.  
*Ziziphus* sp., 194049.  
*Zoysia japonica*, 193380, 193381, 197070.  
   *temifolia*, 197786, 197892.