

98I
Plant Inventory No. 172

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., September 1968



**PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1964
(NOS. 294439 TO 303627)**

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This inventory, No. 172, lists the plant material (Nos. 294439 to 303627) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1964. The inventory is a historical record of plant material introduced for Department and other specialists and is not to be considered as a list of plant material for distribution.

The species names used are those under which the plant material was received. These have been corrected only for spelling, authorities, and obvious synonymy. Question related to the names published in the inventory and obvious errors should be directed to the author. If misidentification is apparent, please submit an herbarium specimen with flowers and fruit for reidentification.

HOWARD L. HYLAND
Botanist

*Plant Industry Station
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INVENTORY

294439 to 294448. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received Jan. 2, 1964.

- 294439. Bushy, determinate type, *sp, d. u.* 544.
- 294440. Bushy, indeterminate type, *sp+, d, u+, F7.* 553.
- 294441. 'Ein-Ghedy 13', Fl.
- 294442. 'Gruntovii Gribovskii'.
- 294443. 'Karlik 1185'. 286.
- 294444. 'Peremoga 165'. Beloruskaia.
- 294445. X22, Fl.
- 294446. X40, Fl.
- 294447. X44F, Fl.
- 294448. X342F, Fl.

294449 and 294450. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Brazil. Seeds collected by the Instituto de Pesquisas Agronomicas, Pernambuco. Received Jan. 2, 1964.

- 294449. 'Santa Cruz'. I-1639. Resistant to *Septoria lycopersicis*.
 - 294450. 'Santa Cruz'. I-2731. Resistant to *Septoria lycopersicis*.
 - 294451. ALLIUM PARADOXUM (Bieb.) Don Liliaceae.
- From Scotland. Bulbs and bulbils presented by the University of Botanical Gardens, St. Andrews. Received Jan. 6, 1963.

294452 and 294453.

From the United States Virgin Islands. Seeds presented by the Agricultural Research Service, Kingsville, St. Croix. Received Jan. 8, 1964.

- 294452. CAPSICUM ANNUM L. Solanaceae.
'Cascabel'. From Mexico. Fruit small, round, red, hot.
- 294453. CAPSICUM SINENSE Jacq.
'Elsita'. From Guatemala. Jalapeno type, hot, red pepper.

294454 to 294456. ALLIUM CEPA L. Liliaceae. Onion.

From Great Britain. Seeds presented by the National Vegetable Research Station, Wellesbourne, Warwick, England. Received Jan. 8, 1964.

Contains genes for indehiscent anther, brown seed and round seed.

- 294454. AC 59260.
- 294455. AC 62034.
- 294456. Ex AC 60032.

294457 to 294464. ORYZA SATIVA L. Gramineae. Rice.

From Argentina. Seeds presented by the Estacion Experimental de Arroz, La Plata. Received Jan. 8, 1964.

294457 to 294464—Continued

294457. 'Yamani M. A.'

294458. 'Chacarero F. A.'. Plants to 102 cm. high, medium stooling, very resistant to lodging, awnless; grain type medium; kernels flinty, good quality; 1,000 seeds weigh 26 grams; yield 6,500 kg./hectare.

294459. 'La Plata Ayui F.A.'. Plants to 123 cm. high, very good stooling, resistant to lodging, awnless; grain type short; kernels flinty, very good quality; 1,000 seeds weigh 25 grams; yield 6,400 kg./hectare.

294460. 'La Plata Gena F.A.'. Plants to 118 cm. high, medium stooling, resistant to lodging, awnless; grain type long; kernels flinty, good quality; 1,000 seeds weigh 30 grams; yield 5,000 kg./hectare.

294461. 'La Plata Gualeyan F.A.'. Plants to 105 cm. high, medium stooling, resistant to lodging, awnless; grain type long; kernels flinty, very good quality; 1,000 seeds weigh 29 grams; yield 6,600 kg./hectare.

294462. 'La Plata Itape F.A.'. Plants to 116 cm. high, medium stooling, resistant to lodging, awnless; grain type medium; kernels flinty, good quality; 1,000 seeds weigh 31 grams; yield 6,500 kg./hectare.

294463. 'La Plata Mocreeta'. Plants to 122 cm. high, good stooling, resistant to lodging, awnless; grain type long; kernels flinty, very good quality; 1,000 seeds weigh 32 grams; yield 6,473 kg./hectare.

294464. 'La Plata Yuqueri F.A.'. Plants to 119 cm. high, medium stooling, resistant to lodging, awnless; grain type medium; kernels flinty, good quality; 1,000 seeds weigh 27 grams; yield 7,530 kg./hectare.

294465 to 294468.

From China. Seedlings presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Jan. 8, 1964.

294465 to 294467. *CYNODON DACTYLON* (L.) Pers. Gramineae.

294465. 'A 58'.

294466. 'A 59'.

294467. 'A 60'.

294468. *DICHANTHIUM ARISTATUM* (Poir.) C. E. Hubb. Gramineae.

Angleton grass.

'Alabang X'. A 29.

294469 to 294474.

From the Philippines. Seeds presented by I. J. Condit, University of California, Riverside, Calif. Received Jan. 9, 1964.

294469. *FICUS CAMARIENSIS* Merrill Moraceae.

From Laguna.

294470. *FICUS CAULOCARPA* Miq.

From Laguna.

294471. *FICUS CLEMENTIS* Merrill

From Sonsogon.

294472. *FICUS CLUSIODES* Miq.

From Sonsogon.

294473. *FICUS INDICA* var. *GELDERI* King

From Sonsogon.

294474. *FICUS SUBULATA* Blume

From Laguna.

- 294475. SOLANUM QUITOENSE Lam. Solanaceae. Naranjilla.**
 From Ecuador. Seeds presented by B. F. Blankenship, San Francisco, Calif.
 Received Jan. 9, 1964.
 From Quito.
- 294476. TRICHOSANTHES ANGUINA L. Cucurbitaceae. Snakegourd.**
 From New Guinea. Seeds presented by B. F. Blankenship, San Francisco,
 Calif. Received Jan. 9, 1964.
 From Port Moresby, Papua.
- 294477 and 294478.**
 From France. Seeds presented by the Institut National Agronomique, Paris.
 Received Jan. 9, 1964.
- 294477. TRITICUM ISPAHANICUM var. BIARISTATUM Heslot Gramineae.**
- 294478. TRITICUM ISPAHANICUM var. UNIARISTATUM Heslot**
- 294479 and 294480.**
 From Nigeria. Seeds presented by the Agency for International Development,
 Ibadan. Received Jan. 9, 1964.
- 294479. VIGNA sp. Leguminosae.**
 No. 1. Plants in wild. Plants large, perennial, vines to 25 feet long,
 sensitive to day length; flowers profuse; pods dehiscent. No diseases ap-
 parent.
- 294480. VIGNA sp.**
 No. 2. Plants in wild. Plants large, perennial, vines to 25 feet long,
 sensitive to day length; flowers profuse; pods dehiscent. No disease ap-
 parent.
- 294481. TRIFOLIUM PRATENSE L. Leguminosae. Red clover.**
 From Austria. Seeds presented by the Pflanzenzuchtstation Reichersberg.
 Received Jan. 9, 1964.
 'Reichersberger Rotklee'.
- 294482 to 294538.**
 From the Republic of South Africa. Seeds presented by the Department of
 Agricultural Technical Services, Pretoria. Received Jan. 9, 1964.
- 294482 to 294526. ERAGROSTIS CURVULA (Schrud.) Nees Gramineae. Weeping lovegrass.**
- 294482.** B/49/61. Groatfontein.
- 294483.** B/50/67. Hendrina.
- 294484.** B/52/18. Basutoland.
- 294485.** B/52/49. Zebrapark.
- 294486.** B/52/105. Waylands.
- 294487.** B/52/138. Piketberg.
- 294488.** B/52/143. Caledon.
- 294489.** B/53/12. Mokhotlong Masareng.
- 294490.** B/53/16. Maseru.
- 294491.** B/53/43. Constantia.
- 294492.** B/53/43. Piketberg Porterville.
- 294493.** B/53/44. Stellenbosch.
- 294494.** B/53/47. Welgevallen.

294482 to 294538—Continued**294482 to 294526—Continued**

- 294495. B/53/48. du Toitskloof. 11/57.
- 294496. B/53/49. Paarl.
- 294497. B/53/50. Mitchells Pass.
- 294498. B/53/56. Paneel.
- 294499. B/53/59. Simondium.
- 294500. B/53/62. Paneel 3.
- 294501. B/53/63. Bothashalt.
- 294502. B/53/64. Constantia Houtbay.
- 294503. B/53/65. Winkelhaak.
- 294504. B/53/68. Rhodes Fruit Farm.
- 294505. B/53/123. Bien Donne.
- 294506. B/53/126. Koolbank.
- 294507. B/53/126. Loch Lieben.
- 294508. B/53/156. City Deep Mine.
- 294509. B/53/265. Schagen.
- 294510. B/53/266. Oudtshoorn.
- 294511. B/53/267. Northam.
- 294512. B/53/269. Wassenaar.
- 294513. B/53/282. Citrusdal.
- 294514. B/54/9. Sterkstroom.
- 294515. B/54/10. Burgersdorp.
- 294516. B/54/28. Tabamhlope.
- 294517. B/54/33. Berea Durban.
- 294518. B/54/36. Middleburg.
- 294519. B/57/117. Groatfontein.
- 294520. B/57/123. Witbankline.
- 294521. B/58/7. Cullinan.
- 294522. B/58/71. Witbank.
- 294523. B/59/6. Ermelo.
- 294524. M/63/21. Kromdraai.
- 294525. U/57/227. Tanganyika.
- 294526. V/51/113. Melsetter.
- 294527 to 294530. *ERAGROSTIS CURVULA* var. *CONFERTA* Nees.
- 294527. B/51/36. Fauresmith.
- 294528. B/52/149. Porterville.
- 294529. B/53/67. Bothashalt.
- 294530. B/53/282. Citrusdal.
- 294531 to 294534. *ERAGROSTIS CURVULA* var. *VALIDA* Stapf.
- 294531. B/53/42. Bothashalt.
- 294532. B/53/261. Cemetery.
- 294533. B/53/262. Dorinton.

294482 to 294538—Continued**294531 to 294534—Continued**

294534. B/53/264. Rietvlei.

294535 to 294538. ERAGROSTIS ROBUSTA Stent.

294535. B/53/52a. Helshoogte.

294536. B/53/54. Rhodes Fruit Farm.

294537. B/53/57a. Worcester.

294538. B/52/152. Caledon.

294539 to 294559.

From France. Seeds presented by the Institut National de la Recherche Agronomique, Lusignan. Received Jan. 9, 1964.

Ecotypes from dry environments in the Alps, unless otherwise noted.

294539 and 294540. TRIFOLIUM PRATENSE L. Leguminosae. Red clover.

294539. No. 15. Cordemais.

294540. No. 17. Tabartra, Tunisie.

294541 to 294558. TRIFOLIUM REPENS L. Whiteclover.

294541. No. 103.3. Ets Clause.

294542. No. 1. Bourg Saint Maurice.

294543. No. 2. Noiray. Elevation 910 meters.

294544. No. 3. Flumet.

294545. No. 4. Evoies. Elevation 900 meters.

294546. No. 5. Bioge. Elevation 565 meters.

294547. No. 6. Combloux. Elevation 800 meters.

294548. No. 7. Morillon. Elevation 670 meters.

294549. No. 8. Savoie. Elevation 1,300 meters.

294550. No. 9. Villars d'Arene. Elevation 1,650 meters.

294551. No. 10. Col Menee. Elevation 1,300 meters.

294552. No. 11. Tournol.

294553. No. 12. Haute Savoie.

294554. No. 13. La Fretaz.

294555. No. 14. Selomme.

294556. No. 49. V 353 Ets. Vilmorin.

294557. Crau Mediterranee.

294558. Treviso.

294559. TRIFOLIUM sp.

Zarza, Tunisie.

294560. ROGERIA LONGIFLORA J. Gay Pedaliaceae.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Jan. 10, 1964.

294561 to 294564. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Kenya. Seeds presented by the Plant Breeding Station, Njoro. Received Jan. 10, 1964.

Selections from the cross 'Mengavi' × 'Spica'/'Koda-Gabo'.

294561 to 294564—Continued

294561. II-58-323/8.1.1.3. Kenya Sel. B.
 294562. II-58-324/5.8.2.2. Kenya Sel. C.
 294563. II-58-325/5.25.1.1. Kenya Sel. A.
 294564. II-58-325/14.1.2.2. Kenya Sel. B.

294565 to 294578. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From source unknown. Seeds presented by the Colorado State University, Fort Collins, Colo. Received Jan. 10, 1964.

Wheats with distinctive glume colors from various unknown sources.

294565. 'Ancona'. Spring wheat.
 294566. 'Beacon'.
 294567. 'Bivona'.
 294568. 'Blue Cone'. Int. wheat.
 294569. 'C-Novaro'. Int. wheat.
 294570. 'Cologna Lunga'. Winter wheat.
 294571. 'Cotrone'.
 294572. 'Leina'.
 294573. 'Orange Devon'. Winter wheat. Blue rough chaff.
 294574. 'Rampton Rivet'. Winter wheat.
 294575. 'Sherpa'.
 294576. 'Spelt Gray'. Spring wheat.
 294577. 'Zulu'.
 294578. 111/33. Int. wheat.

294579. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Italy. Seeds presented by the Contessa Marinetta di Frassineto, Istituto di Cerealcoltura, Arezzo. Received Jan. 10, 1964.

'Montagnano'.

294580 and 294581. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From Italy. Seeds presented by the Istituto di Agronomia, Padova. Received Jan. 10, 1964.

294580. 'Tilchimar 12'.
 294581. 'Turano'.

294582 to 294585. ELYMUS ARENARIUS L. Gramineae.**European dunegrass.**

From Sweden. Seeds presented by the Botanical Garden, Lund. Received Jan. 10, 1964.

Plants to one meter high.

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|----------------|----------------|
| 294582. No. 1. | 294584. No. 3. |
| 294583. No. 2. | 294585. No. 4. |

294586 to 294590. TRITICUM DURUM Desf. Gramineae.**Durum wheat.**

From Lebanon. Seeds presented by the Institut de Recherches Agronomiques, Beirut. Received Jan. 10, 1964.

294586 to 294590—Continued

294586. AH-7. 294589. 'Senatore Cappelli'.
 294587. BH-4. 294590. 'Tel-Amara'.
 294588. 'Haurani 27'.

294591. BRASSICA OLERACEA var. CAPITATA L. Cruciferae. Cabbage.

From Denmark. Seeds presented by J. E. Ohlsens Enke, Copenhagen. Received Jan. 10, 1964.

'Amager Green Winter'. O.E. 0215. From Sweden.

Reported to be excellent for winter storage; the outer leaves remain green at 40° F.

294592. HORDEUM VULGARE L. Gramineae.

From Great Britain. Seeds presented by Gartons, Limited, Warrington, England. Received Jan. 10, 1964.

'Maris Badger'.

294593 to 294596. CENCHRUS CILIARIS L. Gramineae. Buffelgrass.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 10, 1964.

294593. No. 1848. 294595. No. 12778.
 294594. No. 6934. 294596. No. CQ 514.

294597 and 294598.

From France. Seeds presented by the Laboratoire de Recherches, Sur Les Plantes Fourrageres, Service Botanique, Rouen. Received Jan. 10, 1964.

294597. TRIFOLIUM ALPINUM L. Leguminosae.
 Col du Lautaret, Hautes-Alpes. Elevation 2,000 meters.
 294598. TRIFOLIUM BADIUM Schreb.
 Col du Pyrenees-Orientales. Elevation 2,000 meters.

294599 to 294612.

From Japan. Seeds presented by the Laboratory of Plant Breeding, Mie University, Tu, Mie-Ken. Received Jan. 10, 1964.

294599. MISCANTHUS OLIGOSTACHYUS Stapf. Gramineae.
 Diploid from Mount Aso, Kumamoto Prefecture.
 294600. MISCANTHUS SACCHARIFLORUS (Maxim.) Hack.
 Tetraploid from Gifu University, Gifu.
 294601 to 294604. MISCANTHUS SINENSIS Anderss. Chinese silvergrass.
 Mie University, Mie.
 294601. No. 1. 294603. No. 3.
 294602. No. 2. 294604. No. 4.
 294605 to 294612. MISCANTHUS SINENSIS var. CONDENSATUS (Hack). Makino.
 Diploid F₁ seeds. 294608. 'Mie' × 'Boko'.
 294605. 'Boko' × 'Nogura'. 294609. 'Mie' × 'Tanegashima'.
 294606. 'Boko' × 'Yoreba'. 294610. 'Nogura' × 'Yoreba'.
 294607. 'Hosobaimazo' × 294611. 'Tanegashima' × 'Mie'.
 'Tanegashima'. 294612. 'Yoreba' × 'Tanegashima'.

294613. CLIVIA MINIATA (Lindl.) Regel Amaryllidaceae. Scarlet kafirlily.

From the Republic of South Africa. Plants presented by the Superintendent of Parks, Queenstown. Received Jan. 10, 1964.

294614. PRUNUS DAVIDIANA (Carr.) Franch. Rosaceae. David peach.

From the United States. Tree growing at the University of Nebraska, North Platte Experiment Station, North Platte, Nebr. Numbered Jan. 10, 1964.

Seedling selection from seeds from Chico, Calif., about 1945. Tree multi-stemmed, branching 12 inches above ground, 19 feet high, 50 feet wide; trunk 18 inches diameter, 12 inches above soil line; leaves willowlike, typical; flowers bright pink, profuse; fruits abundant, inedible. Cold- and alkaline-soil tolerant. Resistant to borer. Recommended for roadside planting.

294615. ASPARAGUS ACUTIFOLIUS L. Liliaceae.

From Belgium. Seeds presented by the Jardin Botanique de l'Etat, Brussels. Received Jan. 10, 1964.

294616 and 294617.

From Great Britain. Seeds presented by the University of London, Englefield Green, Surrey, England. Received Jan. 10, 1964.

294616. ASPARAGUS MADAGASCARIENSIS Baker. Liliaceae. Madagascar asparagus.

294617. ASPARAGUS OFFICINALIS L. Garden asparagus.

294618. PENNISETUM SQUAMULATUM Fres. Gramineae.

From Kenya. Seeds presented by the Grasslands Research Station, Kitale. Received Jan. 10, 1964.

No. K. 5455.

294619 to 294624. BETA VULGARIS L. Chenopodiaceae. Sugar beet.

From Ireland. Seeds presented by the Irish Sugar Company, Limited, Thurles. Received Jan. 13, 1964.

Seeds from plants in the wild, Kilmore Quay.

294619. No. 1. 294622. No. 4.

294620. No. 2. 294623. No. 5.

294621. No. 3. 294624. No. 6.

294625 to 294635. ORYZA SATIVA L. Gramineae. Rice.

From the Philippines. Seeds presented by the International Rice Institute, Los Banos. Received Jan. 13, 1964.

Originally from northern Thailand.

294625. 'Gam Pai 30-12-15'. Glutinous; flowers December 2-7.

IRRI. No. 831.

294626. 'Leuang Yai 34'. Nonglutinous; flowers November 26-30.

IRRI. No. 170.

294627. 'Muey Nawng 62'. Glutinous; flowers November 15-20.

IRRI. No. 176.

294628. 'Niaw San Pahtawng'. Glutinous; flowers November 26-30.

IRRI. No. 857.

Selection from IRRI. No. 170.

294625 to 294635—Continued

294629. 'Pah Leuad 29-8-111'. Glutinous; flowers December 1-5.

IRRI. No. 175.

Originally from central Thailand; all nonglutinous.

294630. 'Nahng Mon S4'. Flowers November 20-25.

IRRI. No. 172.

294631. 'Khao Tah Haeng 17'. Flowers December 10-15.

IRRI. No. 174.

294632. 'Leuang Rahaeng 8'. Flowers December 12-17.

IRRI. No. 171.

294633. 'Leuang Awn 29'. Flowers December 4-10.

IRRI. No. 169.

294634. 'Puang Nahk 16'. Flowers December 15-20.

IRRI. No. 173.

Northeastern Thailand.

294635. 'Daw Nhang Naum 29-4-91'. Glutinous; flowers November 24-28.

IRRI. No. 842.

294636. *ELYMUS ARENARIUS* L. Gramineae.

European dunegrass.

From Norway. Seeds presented by the Botanic Garden, University of Oslo, Oslo. Received Jan. 14, 1964.

Western exposure, rocky, calcareous seashore, island of Oustoya.

294637. *DAUCUS CAROTA* L. Umbelliferae.

Carrot.

From Jordan. Seeds presented by the Agricultural Research Station, Amman. Received Jan. 14, 1964.

'Baladi'. Roots golden yellow.

294638. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

From Great Britain. Seeds presented by Watkins and Simpson, Limited, Sussex, England. Received Jan. 14, 1964.

'Devon Surprise'.

294639 to 294641.

From Algeria. Seeds presented by the Jardin d'Essais du Hamma, Algeria. Received Jan. 14, 1964.

294639. *ASPARAGUS FALCATUS* L. Liliaceae.

294640. *ASPARAGUS PLUMOSUS* Baker.

Fern asparagus.

294641. *ASPARAGUS SPRENGERI* Regel.

Sprenger asparagus.

294642 to 294645.

From France. Seeds presented by Andre Blondeau, Bersee. Received Jan. 14, 1964.

294642. *VICIA* sp. Leguminosae.

'Presta'.

294643. *VICIA* sp.

'Sylphic'.

294644. *VICIA* sp.

'Tarda'.

294642 to 294645—Continued294645. *VICIA* sp.

'Vidia'.

294646 to 294654. ARACHIS HYPOGAEA L. Leguminosae.

From Thailand. Seeds presented by the Ministry of Agriculture, via the United States Operations Mission, Bangkok. Received Jan. 15, 1964.

294646. 'Chiengrai'. Thai variety. 294651. 'Nan'. Thai variety.

294647. 'Dak'. 294652. 'Rayong'. Thai variety.

294648. 'Hayuku'. 294653. 'Spanish Improved'.

294649. 'Java 13'. 294654. 'Sukothai'. Thai variety.

294650. 'Lampang'. Thai variety.

294655 to 294657.

From Kenya. Seeds presented by the Department of Agriculture, Katumani Experimental Farm, Machakos. Received Jan. 16, 1964.

294655. *CITRUS RETICULATA* Blanco. Rutaceae. **Mandarin orange.**

Seedlings selection from African and Arab countries for freedom from granulation and high sugar content. Junju area of Kilifi district.

294656 and 294657. *CITRUS SINENSIS* (L.) Osbeck. **Orange.**

Seedlings selection from African and Arab countries for freedom from granulation and high sugar content. Junju area of Kilifi district.

294656. J I Valencia type.

294657. J 7 Valencia type.

294658 to 294660. HELIANTHUS ANNUUS L. Compositae.**Sunflower.**

From the United States. Seeds held at the Department of Soil and Crop Sciences, Texas Agricultural and Mechanical University, College Station, Texas. Numbered Jan. 16, 1964.

Varieties reproduced at College Station, received from Canada Department of Agriculture, Morden, Manitoba, via U.S.S.R.

294658. 'Smena'.

294659. 'Peredovik 15659'.

294660. 'Ienissei' ('Yenissei').

294661 to 295074.

From Bulgaria. Seeds presented by the Academy of Agricultural Sciences, Sofia. Received Jan. 17, 1964.

294661 to 294671. *AVENA SATIVA* L. Gramineae. **Common oats.**

294661. 'Antoninski 294666. 'Peragis'.

Najwczesniejszy'.

294667. 'Pffifelbacker Gelb'.

294662. 'Antoninski Pozny'.

294668. 'Pomorski Zloty'.

294663. 'Cesky Zlutý'.

294669. 'Przeboj I'.

294664. 'Jubilenszowy Wieclawicki'.

294670. 'Przeboj II'.

294665. 'Kleinwanzlebenerintensiv'.

294671. 'Stepnjak'.

294672 to 294682. *AVENA SATIVA* var. *ARISTATA* Schlecht.

294672. 'Beseler II'. 294675. "Ligeva Agu'.

294673. 'Jezewski'. 294676. 'Mlochowski'

294674. 'Koscielecki'. 294677. 'Primorec'.

294661 to 295074—Continued

294672 to 294682—Continued

294678. 'Rekord'. 294681. 'Wertchers Gottinger'.
 294679. 'Sowetskii'. 294682. 'Wichenblatter No. 16'.
 294680. 'Vienauer Weiss'.

294683. *AVENA SATIVA* var. *BRUNNEA* Koern. & Wern.
 'Mongolia'.

294684. *AVENA SATIVA* var. *CINEREA* Koern.
 'Sumrak'.

294685. *AVENA SATIVA* var. *ELIGULATA* Vav.
 'Mestnii'.

294686. *AVENA SATIVA* var. *FLAVA* Koern.
 'Huzar'.

294687 and 294688. *AVENA SATIVA* var. *GRISEA* Koern. & Wern.

294687. 'Mongolia'.
 294688. 'China'.

294689 to 294703. *AVENA SATIVA* var. *MUTICA* Schlecht.

294689. 'Cartizv'. 294697. 'No. 5. Bulgarien'.
 294690. 'Duppauer 851'. 294698. 'No. 905. Bulgarien'.
 294691. 'Flamande Desperes'. 294699. 'No. 914. Bulgarien'.
 294692. 'Hrbit'. 294700. 'Pfarrkirchner Edel'.
 294693. 'Irbt'. 294701. 'Pobeda'.
 294694. 'Juha'. 294702. 'Pomorski Pozny'.
 294695. 'Kleinwanzlebener
 Bordeuwiss'. 294703. 'Soleil II'.
 294696. 'Nalzovsky'.

294704. *AVENA SATIVA* var. *NIGRA* Hall.
 'Wisniara Galiz'.

294705 to 294725. *FESTUCA ELATIOR* L. Gramineae. Meadow fescue.
 Bulgarian ecotypes from localities given.

294705. Beli Iskar. 294714. Kurilo.
 294706. Bistritza. 294715. Mirkowo.
 294707. Boiana. 294716. Rilski Manastir.
 294708. Darwenitza. 294717. Simeonowo.
 294709. Dragalewtzi. 294718. Simeonowo II.
 294710. Elena-Tuslualan. 294719. Witoscha-Bai Krastu.
 294711. Gowedartzi. 294720. Witoscha-Startscheski.
 294712. Kopriwstizza. 294721. Witoscha-Zeleni Warch.
 294713. Kubratowo.

Bulgarian selections:

294722. No. 50 K n B. 294724. 'Plowdow'.
 294723. No. 107 K n B. 294725. 'Sofia No. 5'.

294726 to 294731. *HORDEUM VULGARE* L. Gramineae.

294726. 'Brevisetum'. Jane Hadaka.

294661 to 295074—Continued**294726 to 294731—Continued**

294727. 'Nanum'. Hiza Hacha.
 294728. 'Parallelum'. Hatvani 445.
 294729. 'Revelatum'. Chiro Chinko.
 294730. 'Revelatum'. Kamamugi.
 294731. 'Subpyramidatum'. Komono.

294732 to 294744. HORDEUM VULGARE var. DISTICHUM Linn.

294732. 'Braunii'. UdSSR.
 294733. 'Breve'. Uuraisten.
 294734. 'Brunneinudum'. DDR.
 294735. 'Dupliatrum'. Abessinien.
 294736. 'Medicum'. Dornburger Glatgrannige.
 294737. 'Nigrescens'. Perische Schwarze.
 294738. 'Nudum'. Abessinien.
 294739. 'Nudum'. Hindukusch.
 294740. 'Nutans Rode'. No. 103.
 294741. 'Nutans Rode'. Ratborsky.
 294742. 'Nutans Rode'. Zaja.
 294743. 'Nudifurcatus'. Bot. Gdn. Cluj.
 294744. 'Subglabriectum'. Esperance.

294745 to 294792. HORDEUM VULGARE var. TETRASTICHON Celak.

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| 294745. 'Weihestephaner
Schwarze Nackte'. | 294765. 'Nachtschiwandani'. |
| 294746. 'Ungarn'. | 294766. 'Nowosadski'. |
| 294747. 'Russische Glatte'. | 294767. 'Oldenburger
Landgerste'. |
| 294748. 'Askania'. | 294768. 'Pavlovcky'. |
| 294749. 'Cenad 1'. | 294769. 'Precoce du Maroc'. |
| 294750. 'Cenad 345'. | 294770. 'Rafiner'. |
| 294751. 'Cenad 395'. | 294771. 'Rinicken'. |
| 294752. 'Cenad 396'. | 294772. 'RW-112'. |
| 294753. 'Dagestanskii 239'. | 294773. 'Stupicky Sestirady'. |
| 294754. 'Gilbernaculum 9006'. | 294774. 'Terskii 3617'. |
| 294755. 'Godolei 52'. | 294775. 'Ubileinii 25'. |
| 294756. 'Herfordia'. | 294776. No. 16. |
| 294757. 'Hordchau Mestnii'. | 294777. No. 37. |
| 294758. 'Hordchau 18'. | 294778. No. 65. |
| 294759. 'Kleinwanzlebener
St. 12'. | 294779. No. 85. |
| 294760. 'Krasnodarskii 2929'. | 294780. No. 90. |
| 294761. 'Kruglik 21'. | 294781. No. 105. |
| 294762. 'Leddecki II'. | 294782. No. 140. |
| 294763. 'Maikopskii'. | 294783. No. 196. |
| 294764. 'Mazohegyesi 68'. | 294784. No. 1241. |
| | 294785. No. 1294. |

294661 to 295074—Continued

294745 to 294792—Continued

294786. No. 1337.	294790. No. 5664.
294787. No. 1808.	294791. 'Barlis'.
294788. No. 1835.	294792. 'Blaue Nackte'.
294789. No. 5652.	

294793 to 294796. SECALE CEREALE L. Gramineae. Rye.

294793. No. 19.	294795. No. 70.
294794. No. 59.	294796. No. 362.

294797 to 294882. TRIFOLIUM PRATENSE L. Leguminosae. Red clover.

Bulgarian ecotypes.

294797. 'Arsan'.	294828. 'Dospei'.
294798. 'Baiowi Dupki'.	294829. 'Elensko'.
294799. 'Banski'.	294830. 'Elin Pelin'.
294800. 'Batak'.	294831. 'Gola'.
294801. 'Batschkowski Manastir'.	294832. 'Gorna Bania'.
294802. 'Beglika'.	294833. 'Gowedartzi'.
294803. 'Biolata Woda'.	294834. 'Gretzki Dol'.
294804. 'Bistritz'.	294835. 'Iakoruda'.
294805. 'Bistritza 1'.	294836. 'Kailaka'.
294806. 'Boiana'.	294837. 'Kalofer'.
294807. 'Bojuriste'.	294838. 'Kasaka'.
294808. 'Bulgarski Iswor'.	294839. 'Kopriwstizza'.
294809. 'Chija Aleko'.	294840. 'Kubratowo'.
294810. 'Chija BAN'.	294841. 'Kumaritza'.
294811. 'Chija B. Sotirow'.	294842. 'Kurilo'.
294812. 'Chija Damianitza'.	294843. 'Lowetsch-Stratisch'.
294813. 'Chija Gotze Deltschew'.	294844. 'Michailowgrad'.
294814. 'Chija Iawor'.	294845. 'Mirkowo'.
294815. 'Chija Iwan Wasow'.	294846. 'Ostretz'.
294816. 'Chija Kosia Stena'.	294847. 'Pamuk Kulak'.
294817. 'Chija L. Tomow'.	294848. 'Pantscharewo'.
294818. 'Chija Ostritza'.	294849. 'Partisanska Poliana'.
294819. 'Chija Raii'.	294850. 'Petritsch'.
294820. 'Chija Skakawitza'.	294851. 'Petritschko'.
294821. 'Chija Tschawdar'.	294852. 'Pod Chija G. Deltschew'.
294822. 'Chija Wasil Lewski'.	294853. 'Predela-Tschumerna'.
294823. 'Chija Wladko'.	294854. 'Raikowo'.
294824. 'Dragalewtzi'.	294855. 'Raslog'.
294825. 'Dragalewtzi 1'.	294856. 'Rawno Pole'.
294826. 'Dragoschinowo'.	294857. 'Railski Manastir'.
294827. 'Dobriniste'.	294858. 'Saikowa Poliana'.
	294859. 'Samuilowo'.

294661 to 295074—Continued

294797 to 294882—Continued

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| 294860. 'Saparewa Bania'. | 294872. 'Tschawdar'. |
| 294861. 'Sewliewo'. | 294873. 'Tschumerna'. |
| 294862. 'Simeonowo 1'. | 294874. 'Tuslata'. |
| 294863. 'Slawowtzi'. | 294875. 'Twarditza'. |
| 294864. 'Smeitza'. | 294876. 'Ustowo'. |
| 294865. 'Sofia No. 52'. | 294877. 'Waliawischki Esera'. |
| 294866. 'Sofia No. 66'. | 294878. 'Warch Stoletow'. |
| 294867. 'Startscheski Poliani'. | 294879. 'Wasilaschki Esera'. |
| 294868. 'Sweta Troitza'. | 294880. 'Wladaia'. |
| 294869. 'Taiatzite'. | 294881. 'Woluek'. |
| 294870. 'Trestenik'. | 294882. 'Zlatitza'. |
| 294871. 'Tschanikino'. | |

294883. TRIFOLIUM REPENS L.

Whiteclover.

Selection 'Plowdiw'.

294884 to 294886. TRISETUM FLAVESCENS (L.) Beauv. Gramineae.

294884. 'Taborsky'.
 294885. 'Vetrovsky'.
 294886. 'Oslo.'

294887 to 294999. TRITICUM AESTIVUM L. Gramineae. Common wheat.

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| 294887. 'Zlota Maczuga'. | 294907. 'Frumos 48'. |
| 294888. 'Pudmericka
Cervenoclasa'. | 294908. 'Gurunaka'. |
| 294889. 'Japanse Velvet Chaff'. | 294909. 'Jabokrat'. |
| 294890. 'Lesostepka 75'. | 294910. 'Karapalzi'. |
| 294891. 'Anatolien'. | 294911. 'Karnobatska
Ranasreika'. |
| 294892. 'Herrison Sans Barbe'. | 294912. 'Kazatschewo'. |
| 294893. 'Adran Schehriaz'. | 294913. 'Komploti B 7'. |
| 294894. 'Beliza'. | 294914. 'Kotel'. |
| 294895. 'Gradsko'. | 294915. 'Kroatien'. |
| 294896. 'Akutuotei'. | 294916. 'Krasawa'. |
| 294897. 'Beljska 56'. | 294917. 'Kzil-Bugda'. |
| 294898. 'Beloklassa
Tschervenka'. | 294918. 'Leschnikowzi'. |
| 294899. 'Botewgrad'. | 294919. 'Mestna |
| 294900. 'Breznik'. | 294920. 'Nowi-Chan'.
Dobrudjanska'. |
| 294901. 'Damianiza'. | 294921. 'Pelaticowo'. |
| 294902. 'Dioszegi 1782'. | 294922. 'Pshenitschno
Pir. Hybrid'. |
| 294903. 'Diozeg Winter-
weizen No. 200'. | 294923. 'Radomir'. |
| 294904. 'Doganowo'. | 294924. 'Rieti'. |
| 294905. 'Durable'. | 294925. 'Sadowka'. |
| 294906. 'Duschanzi'. | 294926. 'Serbischer Weizen'. |

294661 to 295074—Continued

294887 to 294999—Continued

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| 294927. 'Simeonowo'. | 294964. 'Sglednizi'. |
| 294928. 'Slomer 12'. | 294965. 'Simeonowo'. |
| 294929. 'Steinitzer Moravia'. | 294966. 'Ubileina'. |
| 294930. 'Titscha'. | 294967. 'Zernogradka'. |
| 294931. 'Ubileina II'. | 294968. 'Egwardi 4'. |
| 294932. 'Ubileina III'. | 294969. 'Gurcowo'. |
| 294933. 'Welkowzi'. | 294970. 'Krasnaja Zwerda'. |
| 294934. 'Ahalzinskaja'. | 294971. 'Pinvte'. |
| 294935. 'Ahtopol'. | 294972. 'Quaderma'. |
| 294936. 'Anatolien'. | 294973. 'Zenitka'. |
| 294937. 'Bezentschukskaja 51'. | 294974. 'Blance Velludo'. |
| 294938. 'Botewgrad'. | 294975. 'Artemowska'. |
| 294939. 'Dolna-Malina'. | 294976. 'Bergers Giersdorfer'. |
| 294940. 'Dsali-Sura 35-3'. | 294977. 'Bethges Ripa
Unbegrannt Weiss'. |
| 294941. 'Feldsberger Grannen'. | 294978. 'Bogdan'. |
| 294942. 'Gaitanowtzi'. | 294979. 'Borowitscheskaja'. |
| 294943. 'Gorni Bogorov'. | 294980. 'Botewgrad'. |
| 294944. 'Gurbanowtzi'. | 294981. 'Breustedts Teutonen'. |
| 294945. 'Jablanowo'. | 294982. 'Buffum'. |
| 294946. 'Jardgilowtzi'. | 294983. 'Dotnuwskaja 458'. |
| 294947. 'Jerawino'. | 294984. 'Facur Mestnii'. |
| 294948. 'Klutsch'. | 294985. 'Garliano'. |
| 294949. 'Krasnodarka'. | 294986. 'Golokoloska'. |
| 294950. 'Kriwonos'. | 294987. 'Gorkowtschanka'. |
| 294951. 'Lechow'. | 294988. 'Griewener 192'. |
| 294952. 'Leninakanaskaja 3'. | 294989. 'Gurbanowtzi'. |
| 294953. 'Leschnikowtzi'. | 294990. 'Handmerslebener VIII'. |
| 294954. 'Mach. Popowska'. | 294991. 'Olza'. |
| 294955. 'Mazartschewo'. | 294992. 'Petrowskaja 7'. |
| 294956. 'Murgasch'. | 294993. 'Salto'. |
| 294957. 'Okermann'. | 294994. 'Strelinskaja Mestnaja'. |
| 294958. 'Osoiza'. | 294995. 'Stupicky Bastard'. |
| 294959. 'Ostka Zlotoklaza'. | 294996. 'Ackermanns
Bayernkonig'. |
| 294960. 'Perwenetz'. | 294997. 'Powali Rat'. |
| 294961. 'Polen'. | 294998. 'Weli-Hani Mestna'. |
| 294962. 'Poljana'. | 294999. 'Belozerkowskaja 37'. |
| 294963. 'Rajdawitza'. | |

295000 to 295002. TRITICUM COMPACTUM Host.

295000. 'Irak'.
295001. 'Kamtschatka Mestnaja'.
295002. 'Bjansui Sja-Mai'.

294661 to 295074—Continued

295003 to 295055. TRITICUM DURUM Desf.	Durum wheat.
295003. 'Arandani'.	295030. 'Orlow Dal'.
295004. 'Kardjali'.	295031. 'Polkownik Jeljazow'.
295005. 'Topolowgrad 1'.	295032. 'Pototschniza'.
295006. 'Topolowgrad 2'.	295033. 'Samokitka'.
295007. 'Patriarch Eftimowo'.	295034. 'Sewdalina'.
295008. 'Scoplje 8'.	295035. 'Sladun'.
295009. 'Tawtuchi'.	295036. 'Slaweewo'.
295010. 'Bjalo Poljane'.	295037. 'Tokatschka'.
295011. 'Blagunzi'.	295038. 'Topolowgrad'.
295012. 'Djanka'.	295039. 'Tschirpan 1'.
295013. 'Dolna Kula'.	295040. 'Warownik'.
295014. 'Dolno Jabalkowo'.	295041. 'Wransko'.
295015. 'Gorna Kula 1'.	295042. 'Zlatiniza'.
295016. 'Gorna Kula 5'.	295043. 'Mikrewo'.
295017. 'Gorna Kula 6'.	295044. 'Boljarowo'.
295018. 'Gruewo 1'.	295045. 'Djafari'.
295019. 'Gruewo 2'.	295046. 'Drabischna'.
295020. 'Guliika'.	295047. 'Dubowo'.
295021. 'Iwailowgrad'.	295048. 'Gledka'.
295022. 'Kablja'.	295049. 'Kamen Wrach'.
295023. 'Kardjali'.	295050. 'Kamenez'.
295024. 'Katschulka'.	295051. 'Kowil'.
295025. 'Kost Spetmar'.	295052. 'Malomirowo'.
295026. 'Ladja'.	295053. 'Mamartschewo'.
295027. 'Malomirowo'.	295054. 'Podrumtsche'.
295028. 'Matoschina'.	295055. 'Stefan Karadjowo'.
295029. 'Oreschnik'.	
295056 and 295057. TRITICUM MACHA Dekapr. & Men.	
295056. 'Gruzia'.	
295057. 'Gruzia'.	
295058. TRITICUM MONOCOCCUM L.	
'Spanisches Einkorn'.	
295059 to 295069. TRITICUM SPELTA L.	Spelt.
295059. 'Deutschland'.	
295060. 'Hinducusch'.	
295061. 'Ungarn'.	
295062. 'Italien'.	
295063. 'Ungarn'.	
295064. 'Weisser Granenspelz'.	
295065. 'Schwarzer Bartspezl'.	
295066. 'Anatolien'.	

294661 to 295074—Continued**295059 to 295069—Continued**

295067. 'Babenhauer Zuchtveesen'.

295068. 'Kipperhaus Roter Spelz'.

295069. 'Rottweiler Frunkorn'.

295070 to 295074. TRITICUM TURGIDUM L.**Poulard wheat.**

295070. 'Pulardo de Auveria'.

295073. 'Jugoslawien'.

295071. 'Balkan'.

295074. 'Turkey'.

295072. 'Badugo'.

295075 to 295081.

From Great Britain. Plants presented by Hillier & Sons, Winchester, England. Received Jan. 21, 1964.

295075. ACER CAPPADOCICUM var. TRICAUDATUM Rehder. Aceraceae.

295076. ACER MAXIMOWICZII Pax.

295077. ACER × ROTUNDILOBUM Schwer.

295078. ACER VILLOSUM Wall.

295079. GAULTHERIA TRICHOPHYLLA Royle. Ericaceae.

295080. SALIX GRAHAMII Borrer. Salicaceae.

Willow.

295081. VACCINIUM URCEOLATUM Hemsl. Ericaceae.

295082. CYNODON DACTYLON (L.) Pers. Gramineae.

From Kenya. Stolons presented by the National Agricultural Research Station, Kitale. Received Jan. 22, 1964.

No. K 6353. The giant form.

295083 to 295098. PYRUS COMMUNIS L. Rosaceae.**Pear.**

From Denmark. Scions presented by Count F. M. Kunth, Kunthenborg, Bandholm. Received Jan. 23, 1964.

295083. 'Beutte d' Arenberg'. Belgium. Very late.

295084. 'Fondante de Charneau'. Belgium. Late.

295085. 'Comtesse Clara Frijs'. Denmark. Ripens after 'Williams'.

295086. 'Comtesse de Paris'. France. Very late.

295087. 'Count A. W. Moltke'. Denmark. Midseason. Triploid.

295088. 'Double Philip'. Belgium. Midseason.

295089. 'Doyenne d Alencon'. France. Very late.

295090. 'Helmershus Roda'. Sweden. Red fruit.

295091. 'Herrenbirne' ('Esperen'). Belgium. Midseason.

295092. 'Lajre'. Sweden. Late. Triploid.

295093. 'President Drouart'. France. Midseason.

295094. 'Rotkottig frau Ostergotland'. Sweden. Red fleshed.

295095. 'Santa Marie'. Italy. Summer fruit, light-green skinned, good shape and flavor. A 'Williams' (Bartlett) cross.

295096. 'Sucre de Mountlucan'. France.

295097. 'Tirelemont'. Belgium.

295098. 'Tongre'. Belgium. Late.

295099 and 295100.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Jan. 27, 1964.

295099. *ABIES GEORGI* Orr Pinaceae.

U.S. Nat. Arbor. No. 17410, from Birr Castle, Bier, Offaly, Ireland. Evergreen tree to 80 feet high; branchlets reddish brown, densely hairy; buds resinous.

295100. *HEDERA HELIX* var. *CRENATA* (Hibb.) Rehd. Araliaceae.

White-veined sport selected at Glenn Dale (No. B-37421) from material received from the Brooklyn Botanic Gardens, 1942. Plant semiarborescent, appears prostrate.

295101 to 295111.

From Belgium. Cuttings presented by the Arboretum Kalmthout, Kalmthout. Received Jan. 23, 1964.

295101 to 295106. *HAMAMELIS* × *INTERMEDIA* Rehder Hamamelidaceae.
Witch-hazel.

295101. 'Jelena'.

295102. 'Diane'. New, red-flowering selection.

295103. 'Ruby Glow'.

295104. No. 957. Flowers large, orange.

295105. No. 977. Flowers pale yellow, floriferous.

295106. 'Pallida'.

295107. *HAMAMELIS VERNALIS* Sargent Vernal witch-hazel.
'Lombarts Weeping'.

295108 to 295111. *WEIGELA* (hybrids) Caprifoliaceae.

From Experiment Station, Boskoop, Netherlands, Selection.

295108. 'Ballet' ('Boskoop Glory' × 'New Port Red').

295109. 'Eva Supreme' ('New Port Red' × 'Eva Ratke').

295110. 'Fiesta' ('Eva Ratke' × 'New Port Red').

295111. 'Rosabella' ('Eva Ratke' × 'New Port Red').

295112 to 295119.

From Rhodesia. Stolons presented by the Department of Research and Specialist Services, Salisbury. Received Jan. 24, 1964.

295112 and 295113. *ACROCERAS MACRUM* Stapf Gramineae.

295112. A.M. 1.

295113. A.M. 2.

295114 to 295116. *CYNODON DACTYLON* (L.) Pers. Gramineae.

295114. Cy. D-1.

295115. Cy. D-2.

295116. Cy. D-4.

295117. *ISCHAEMUM BRACHYATHERUM* (Hochst.) Fenzl. Gramineae.

I.B. 1.

295118. *PANICUM COLORATUM* var. *MAKARIKARIENSIS* Goossens. Gramineae.

P.C.M. 1 (creeping).

295112 to 295119—Continued

295119. *PENNISETUM CLANDESTINUM* Hochst. ex Chiviovenda Gramineae.
Kikuyugrass.

Pen. C. 1.

295120 to 295123. *SORGHUM BICOLOR* (L.) Moench Gramineae.

From Australia. Seeds presented by the Department of Primary Industries, Warwick, Queensland, now held at the Georgia Agr. Expt. Sta., Experiment. Numbered Jan. 27, 1964.

Grain sorghum varieties.

295120. 'Alpha'. 295122. 'Coastland'.

295121. 'Capricorn'. 295123. 'Italian'.

295124 to 295168. *PENNISETUM SPICATUM* (L.) Willd.

Gramineae.

Pearl millet.

From Rhodesia. Seeds presented by the Grasslands Research Station, Marandellas. Received Jan. 27, 1964.

295124. No. 1.	295147. No. 24.
295125. No. 2.	295148. No. 25.
295126. No. 3.	295149. No. 26.
295127. No. 4.	295150. No. 27.
295128. No. 5.	295151. No. 28.
295129. No. 6.	295152. No. 29.
295130. No. 7.	295153. No. 30.
295131. No. 8.	295154. No. 31.
295132. No. 9.	295155. No. 32.
295133. No. 10.	295156. No. 33.
295134. No. 11.	295157. No. 34.
295135. No. 12.	295158. No. 35.
295136. No. 13.	295159. No. 36.
295137. No. 14.	295160. No. 37.
295138. No. 15.	295161. No. 38.
295139. No. 16.	295162. No. 39.
295140. No. 17.	295163. No. 40.
295141. No. 18.	295164. No. 41.
295142. No. 19.	295165. No. 42.
295143. No. 20.	295166. No. 43.
295144. No. 21.	295167. No. 44.
295145. No. 22.	295168. No. 45.
295146. No. 23.	

295169 to 295270. *ARACHIS HYPOGAEA* L. Leguminosae.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received Jan. 27, 1964.

295169. 'Spanish Common'.

295170. 'Asikige Muritunde'.

295171. 'Bambey No. 1'.

295169 to 295270—Continued

- 295172. 'Brol'.
- 295173. 'Brown Long Manyema A 28'.
- 295174. 'Brown Manyema B-730-2'.
- 295175. 'Brown Valencia Rabat No. 27'.
- 295176. 'Canlicoro'.
- 295177. 'Castle Cary MH-382'.
- 295178. 'Chiba Churgu 55go'.
- 295179. 'Chiba Takya 74go'.
- 295180. 'Chimbuwita Kalindi'.
- 295181. 'Cote de Avaire'.
- 295182. 'Cyadiah'.
- 295183. 'Dahomey'.
- 295184. 'De Russie No. 4'.
- 295185. 'Egyptian Giant'.
- 295186. 'Egyptian Local'.
- 295187. 'Exotic 5'.
- 295188. 'Fanah'.
- 295189. 'Fung Bunch' Kanyoma K-131.
- 295190. 'Hakyoto'.
- 295191. 'Hiziki-Zaikai-I-go'.
- 295192. 'Hongkong Chair-Chai'.
- 295193. 'Improved Small Japan'.
- 295194. 'Indian Runner Bambey 45-45'.
- 295195. 'Jumbo'.
- 295196. 'Jumbo Runner Guerte Miaye'.
- 295197. 'Kongo Red'.
- 295198. 'Kongwa Runner Bambey 36-55'.
- 295199. 'Kurum 1'.
- 295200. 'Kurum 2'.
- 295201. K-131.
- 295202. K-135.
- 295203. K-146.
- 295204. K-160.
- 295205. K2-87.
- 295206. K2-88.
- 295207. K2-98.
- 295208. 'Mexican Local'.
- 295209. 'Mwitunde 2'.
- 295210. 'Mwitunde 3'.
- 295211. 'Mwitunde 4'.
- 295212. 'Mwitunde 5'.
- 295213. 'Mwitunde 6'.

295169 to 295270—Continued

- 295214. 'Mwitunde 7'.
- 295215. 'Mwitunde 8'.
- 295216. 'Mwitunde 412'.
- 295217. 'Natal Common'.
- 295218. 'Natal Runner TMV-3'.
- 295219. 'Natal Strain 32'.
- 295220. 'Natayan'.
- 295221. 'Pandicheru'.
- 295222. 'Pandickery 8'.
- 295223. 'Pintar Bunch Mani Pinter'. Selection 1.
- 295224. 'Purple Crimbowita Nadoba NC-2-5'.
- 295225. 'Purple Large Congwa Congo'.
- 295226. 'Purple Manyema Candajika 40'.
- 295227. 'Purple Valencia Argentina 3'.
- 295228. 'Red Jumbo Kaonde 1/2'.
- 295229. 'Red Kongwa ex Bemba 2'.
- 295230. 'Red Long Manyama Kono'.
- 295231. 'Red Manyama A-30'.
- 295232. 'Red Natal Japanese'.
- 295233. 'Red Pintar Bunch'. 2 × Mani Pintar 1, AS2.
- 295234. 'Roxo-54'.
- 295235. 'Sacania No. 3'.
- 295236. 'Samuru Red'.
- 295237. 'Schwarz 21'.
- 295238. 'Short Valencia Kongwa Red'.
- 295239. 'Shorycho'.
- 295240. 'Small Brown Mangena K 370'.
- 295241. 'Spanish Common'.
- 295242. 'Spanish Peanut 5'.
- 295243. 'Spanish Te-55'.
- 295244. So-50-932-Mani.
- 295245. So-50-934-Mani.
- 295246. So-50-951-Mani.
- 295247. So-50-986-Mani.
- 295248. So-50-988-Mani.
- 295249. So-50-989-Mani.
- 295250. 'Tanganyika Mwitunde'.
- 295251. 'Tashirakuda'.
- 295252. 'Tasseirakassei'.
- 295253. 'Tatui 55'.
- 295254. 'Tatui 76'.
- 295255. T.M.V.2.

295169 to 295270—Continued

295256. T.M.V.4.
 295257. 'Valencia'.
 295258. 'Valencia A5'.
 295259. 'Virginia Bunch'.
 295260. 'Virginia Bunch A21'.
 295261. 'Virginia Bunch' × 'Bond'.
 295262. 'Virginia Mateware A-13-27'.
 295263. 'Virginia Statesburg Bunch'.
 295264. 'White Kongwa White Chimonko'.
 295265. 'White Natal Kansawayi Kaduku'.
 295266. 'White Spanish'.
 295267. 'White Spanish Pearl 4'.
 295268. 'White Valencia Argentine No. 11'.
 295269. No. 209.
 295270. No. 210.

295271. *DACTYLIS GLOMERATA* subsp. *HIMALAYENSIS* Bor
Gramineae.

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Beltsville, Md. Collected November 1960. Numbered Jan. 27, 1964.

Col. No. 1237. In valley 4 miles above Manali. Plant in wild. Beltsville-grown plants 26 inches high and 18 inches wide; heads to 35 inches high.

295272. *COFFEA HUMBERTII* J. F. Leroy Rubiaceae.

From the Malagasy Republic. Seeds presented by J. F. Leroy, Economic Plant Division, Museum of Natural History, Paris, France. Received July 1963. Numbered Jan. 27, 1964.

Collected near Tulear. B-55695.

295273. *COFFEA WIGHTIANA* Wall. Rubiaceae.

From India. Seeds presented by anonymous donor. Received August 1963. Numbered Jan. 27, 1964.

Dhiumbum, Coimbatore Dist., Madras. B-55702.

295274 to 295281.

From Austria. Seeds presented by the Botanical Garden, Vienna. Received Jan. 27, 1964.

295274. *ACTINIDIA ARGUTA* (Sieb. & Zucc.) Miq. Dilleniaceae.

Bower actinidia.

295275. *ACTINIDIA CHINESIS* Planch.

Yang tao.

295276 to 295278. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

295276. 'Gidea'.

295277. 'Israelia'.

295278. 'SKU'.

295279. *LUPINUS ANGUSTIFOLIUS* L. Leguminosae.

Bitter blue lupine.

295280. *LUPINUS MUTABILIS* Sweet.

Cruckshanks lupine.

295281. *PHORMIUM TENAX* Forst. Liliaceae.

New Zealand flaxlily.

295282. MALUS SYLVESTRIS Mill. Rosaceae. Common apple.

From Finland. Sicons presented by the Kajava Nurseries, Kauniainen. Received Jan. 28, 1964.

'Antonovka Mitchurin'.

295283. PYRUS sp. Rosaceae.

From Pakistan. Seeds presented by the Agency for International Development, Rawalpindi. Received Jan. 28, 1964.

Wild pear seeds, presumed to be *P. heterophylla* by the collector, from the Murree Hills area, but seeds suggest *P. pashia*.

295284 to 295288. CAPSICUM ANNUUM L. Solanaceae. Pimento.

From Spain. Seeds presented by G. L. Campos, Valencia. Received Jan. 28, 1964.

Seed source: Estacion de Horticultura, Valencia.

295284. No. 1. Fruit smooth.

295285. No. 2. Heavy bearer.

295286. No. 3. Fruit very sweet.

295287. No. 4. Fruit squarish, short.

295288. No. 5. Fruit squarish, long.

295289 to 295296. ZEA MAYS L. Gramineae.

From the United Arab Republic (Egypt). Seeds presented by the Agency for International Development, Cairo. Received Jan. 28, 1964.

All are white seeded, improved inbred.

295289. 1278 × Ky 39/50.

295290. ('Amer. Early' × 'Teos'.) × 33.16.

295291. ('Amer. Early' × 'Teos'.) × G102.

295292. ('Amer. Early' × 'Teos'.) × G209.

295293. G 4 × G 213.

295294. G 205 × R 11.

295295. K 64 × G213.

295296. K 64 × T × 303.

295297 to 295305.

From Great Britain. Plants purchased from A. H. Nisbet, Brookers Farm Gosport, England. Received Dec. 2, 1963. Numbered Jan. 28, 1964.

295297. JUNIPERUS COMMUNIS L. Pinaceae. Common juniper.

295298 and 295299. PICEA ABIES (L.) Karst. Pinaceae. Common spruce.

295298. Q-17208. Plant monstrous; needles thick, sprawling.

295299. Q-17209. Unnamed variety.

295300. PICEA sp. Pinaceae.

Q-17210.

295301. PICEA sp.

Q-17211.

295302. PICEA sp.

Q-17212.

295303. PICEA sp.

Q-17213.

295297 to 295305—Continued

295304. *PICEA* sp.

Q-17214.

295305. *PICEA* sp.

Q-17215.

295306. *PRUNUS AMYGDALUS* Batsch. Rosaceae. Almond.

From Tunisia. Seeds presented by the Service Botanique, Ariana. Received Jan. 28, 1964.

295307. *DICHANTHIUM ARISTATUM* (Poir.) C. E. Hubb.
Gramineae. Angleton grass.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Jan. 28, 1964.

295308. *CAMELLIA CONFUSA* Craib. Theaceae.

From Thailand. Cuttings collected by L. Williams, plant explorer, Crops Research Division, Beltsville, Md. Received Jan. 28, 1964.

Moist evergreen upland forest, Khon-yai, Korat Plateau. Tree to 5 meters high.

295309 to 295314. *ARACHIS HYPOGAEA* L. Leguminosae.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received Jan. 28, 1964.

295309. 'Large Chimbwita NRN3'.

295310. 'Large Kongwa, White Chimonko'.

295311. 'Large Long, Red Manyema A 33-3'.

295312. 'Large Natal B-688-7'.

295313. 'Large Spanish Improved 26'.

295314. 'Large White Spanish'.

295315 to 295317.

From the Union of Soviet Socialist Republics. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Beltsville, Md. Received Jan. 28, 1964.

295315 and 295316. *PRUNUS* (hybrid). Rosaceae.295315. Collected September 1963. From V. A. Rybin's hybrids at the Kishinev Botanic Garden, Moldavian Republic. No. 1 *Prunus divaricata* (2X) × *P. spinosa* (4X). They resemble *P. domestica* (6X) and are fertile with *P. domestica*. The amphidiploids have 48 chromosomes (6X) and were obtained from pairing of unreduced gametes of the F₁ hybrid which was normally sterile.295316. Collected September 1963. From V. A. Rybin's hybrids at the Kishinev Botanic Garden, Moldavian Republic. No. 2 *Prunus divaricata* × *P. spinosa*. A sesquidiploid with 32 chromosomes.295317. *PRUNUS SPINOSA* L. Sloe plum.

Collected September 1963. From Kushnaren Kovs Experiment via the Kishinev Botanical Garden, Moldavian Republic.

295318 to 295328.

From Japan. Seed from cultivated species presented by Shikoku Agricultural Experiment Station, Zentsuji, Kagawa. Received Jan. 28, 1964.

295318 and 295319. *LESPEDEZA BICOLOR* Turcz. Leguminosae.
Shrub bushclover.

295318 to 295328—Continued**295318 and 295319—Continued**

295318. Source: National Institute of Animal Industry, Tochigi Prefecture.

295319. Source: Tokushima Agricultural Experiment Station, Tokushima Prefecture.

295320 to 295323. LESPEDEZA CYRTOBOTRYA Miquel.

295320. Source: (A). Kochi Agricultural Experiment Station, Kochi Prefecture.

295321. Source: (B). Kochi Agricultural Experiment Station, Kochi Prefecture.

295322. Source: Kyushu Agricultural Experiment Station, Kumamoto Prefecture.

295323. Source: Shikoku Agricultural Experiment Station, Kagawa Prefecture.

295324. LESPEDEZA MACROCARPA Bunge

Source: National Institute of Animal Industry, Tochigi Prefecture.

295325. LESPEDEZA NIKKOENSIS Nakai

Source: National Institute of Animal Industry, Tochigi Prefecture.

295326. LESPEDEZA PATENS Nakai

Source: National Institute of Animal Industry, Tochigi Prefecture.

295327 and 295328.

295327. Source: No. 5. National Institute of Animal Industry, Tochigi Prefecture.

295328. Source: No. 12. National Institute of Animal Industry, Tochigi Prefecture.

295329 to 295331.

From Venezuela. Seeds presented by the Institute de Geneita, Universidad Central de Venezuela, Maracay. Received Jan. 28, 1964.

295329. *CARICA CAULIFLORA* Jacq. Caricaceae.

295330. *CARICA GOUDOTIANA* Solms-Laub.

I-62-32 × I-61-33. XI-1-62.

295331. *CARICA MONOICA* Desf.

No. 62-008.

295332 and 295333.

From China. Seeds presented by the Taiwan Provincial Chung Hsing University, Taichung, Taiwan. Received Jan. 28, 1964.

295332. *MALUS FORMOSANA* Kaw. & Koidz ex Kaw. Rosaceae.

295333. *PYRUS* sp. Rosaceae.

295334 to 295336.

From Mexico. Seeds collected by A. T. Semple, Institute Inter-Americano de Ciencias Agrícolas de la Oea, Turrialba, Costa Rica. Received Jan. 29, 1964.

295334. *CROTALARIA MUCRONATA* Desv. Leguminosae. Striped crotalaria.

Roadside 61 km. south of Oaxaca, in closely grazed, short grass sod.

295335. *PHASEOLUS LATHYROIDES* L. Leguminosae.

Dry, sandy beach, Mazatlan.

295334 to 295336—Continued

295336. *RHYNCHOSIA MINIMA* (L.) DC. Leguminosae.

Along Inter-American Highway 61 km. south of Oaxaca, in good short grass sod. Plant leafy, fine stemmed, and apparently not very palatable.

295337 to 295339. *CYNODON DACTYLON* (L.) Pers. Gramineae.

From Germany. Seeds presented by the Institut für Grünlandwirtschaft und Futterbau der Justus, Liebig. Received Jan. 29, 1964.

295337. From Bensheim-Auerbach (Nahe Darmstadt).

295338. From a stream sandbank, southwest of Darmstadt.

295339. From Ingelheim (Rheindamm).

295340 to 295343.

From Australia. Seeds presented by Harold Lyne, Northam, Western Australia. Received Jan. 29, 1964.

295340. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**

'Hawkesbury Candy Red'. From Hawkesbury Agricultural College, N. S. Wales. Seeds black.

295341. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

'Hales Best'. Flesh salmon colored, musk flavored.

295342. *CUCURBITA MAXIMA* Duchesne. Cucurbitaceae. **Squash.**

"Butter Pumpkin'.

295343. *PHASEOLUS VULGARIS* L. Leguminosae. **Common bean.**

'Westralia'. Heavy bearing French climber, maturing in 6 to 8 weeks. Seeds white, long. Rust resistant.

295344 to 295351.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Jan. 29, 1964.

295344 to 295350. *TRITICUM AESTIVUM* L. Gramineae. **Common wheat.**
Winter varieties unless otherwise noted.

295344. No. 38441. 'Odessnaja 3'. Odessa Region, U.S.S.R.

295345. No. 42791. 'Skorospelka 36'. Krasnodar Territory.

295346. No. 43630. 'Odessnaja 21'. Odessa Region, U.S.S.R.

295347. 'Odesskaja Bezostaja'. Odessa Region, U.S.S.R.

295348. No. 42790. 'Bezostaja 1'. Krasnodar Territory.

295349. No. 39355. 'Milturum 321'. Omsk Region, U.S.S.R.

295350. No. 34705. 'Milturum 533'. Spring variety. Omsk Region, U.S.S.R.

295351. *TRITICUM DURUM* Desf. Gramineae. **Durum wheat.**

Winter wheat. No. 43287. 'Michurinka'. Odessa Region, U.S.S.R.

295352. *TRIFOLIUM MEDIUM* Huds. Leguminosae. **Zigzag clover.**

From the United States. Collected in Vermont by A. Gershoy, Vermont Agricultural Experiment Station, and now held at the Regional Plant Introduction Station, Geneva, N. Y. Numbered Jan. 29, 1964.

295352—Continued

Field No. G 13238. Local name: Vermont FH 60-4. Plant 11 by 30 inches; stems large, reddish; leaves large, dark, oval, saucerlike; flower heads in pairs, bright purple; seeds abundant, late maturing, harvested late July at Geneva. Geneva ratings: uniformity seven, vigor eight, fall recovery seven.

295353. BETULA UTILIS D. Don. Betulaceae.

From Great Britain. Seeds purchased from Hillier and Sons, Winchester, England. Received Jan. 29, 1964.

Collected in northern India.

295354 and 295355.

From the United States. Seeds presented by the University of Illinois, Urbana, and now held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Jan. 29, 1964.

295354. MELILOTUS ALBA Desr. Leguminosae. White sweetclover.

Local name: Sangamon Sweet Clover. Illinois No. 8. High-yielding, rank-growing, late-maturing, uniform strain, perennial, selected from plants in wild by University of Illinois Agricultural Experiment Station. Blossoms white. Earlier than 'Evergreen' but adapted to same general conditions.

295355. TRIFOLIUM PRATENSE L. Leguminosae. Red clover.

Local name: Rahn Redclover. A vigorous growing naturalized variety from F. J. Rahn's farm, Peoria. Adapted to northern Illinois.

295356. PASSIFLORA CAERULEA L. Passifloraceae.

Bluecrown passionflower.

From Argentina. Seeds presented by the Secretario de Estado de Agricultura y Ganaderia de la Nacion, Buenos Aires. Received Jan. 29, 1964.

DEIP 20,281.

295357 to 295368.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei. Received Jan. 29, 1964.

295357. CLITORIA TERNATEA L. Leguminosae. Asian pigeonwings.

No. C-33.

295358. DESMANTHUS VIRGATUS (L.) Willd. Leguminosae.

No. C-30.

295359. DICHANTHIUM ANNULATUM (Forsk.) Stapf. Gramineae.

Palwan.

No. A-133.

295360 to 295365. LEUCAENA LEUCOCEPHALA (Lam.) de Wit Leguminosae. Leadtree.

295360. No. C-60.

295363. No. C-63.

295361. No. C-61.

295364. No. C-64.

295362. No. C-62.

295365. No. C-65.

295366. PASPALUM DILATATUM Poir. Gramineae.

Dallisgrass.

No. A-137.

295367. PASPALUM SCROBICULATUM L.

No. A-22.

295368. SETARIA SPHACELATA (Schum.) Stapf & Hubbard. Gramineae.

No. A-89.

295369 to 295582. HORDEUM VULGARE L. Gramineae.

From Ethiopia. Seeds collected by E. L. Smith, United States Agency for International Development, Addis Ababa. Received Jan. 29, 1964.

Various cultivated types from 45 km. southeast of Addis Ababa. Elevation 1,800 to 2,000 meters. I-A.

295369.	Col. No. ELS 6302-1.	295375.	Col. No. ELS 6302-7.
295370.	Col. No. ELS 6302-2.	295376.	Col. No. ELS 6302-8.
295371.	Col. No. ELS 6302-3.	295377.	Col. No. ELS 6302-9.
295372.	Col. No. ELS 6302-4.	295378.	Col. No. ELS 6302-10.
295373.	Col. No. ELS 6302-5.	295379.	Col. No. ELS 6302-11.
295374.	Col. No. ELS 6302-6.		

Various cultivated types from 45 km. southeast of Addis Ababa and 6 km. south of the Addis Ababa-Debre Zeit road. Elevation about 2,000 meters. I-B.

295380.	Col. No. ELS 6302-12.	295385.	Col. No. ELS 6302-17.
295381.	Col. No. ELS 6302-13.	295386.	Col. No. ELS 6302-18.
295382.	Col. No. ELS 6302-14.	295387.	Col. No. ELS 6302-19.
295383.	Col. No. ELS 6302-15.	295388.	Col. No. ELS 6302-20.
295384.	Col. No. ELS 6302-16.		

Various cultivated types from 40 km. southeast of Addis Ababa, between Dukem and Debre Zeit. Elevation 1,800 to 2,000 meters. I-C.

295389.	Col. No. ELS 6302-21.	295393.	Col. No. ELS 6302-25.
295390.	Col. No. ELS 6302-22.	295394.	Col. No. ELS 6302-26.
295391.	Col. No. ELS 6302-23.	295395.	Col. No. ELS 6302-27.
295392.	Col. No. ELS 6302-24.		

Various cultivated types from 65 km. southeast of Addis Ababa, near Modjo. Elevation about 1,800 meters. I-D.

295396.	Col. No. ELS 6302-28.	295402.	Col. No. ELS 6302-34.
295397.	Col. No. ELS 6302-29.	295403.	Col. No. ELS 6302-35.
295398.	Col. No. ELS 6302-30.	295404.	Col. No. ELS 6302-36.
295399.	Col. No. ELS 6302-31.	295405.	Col. No. ELS 6302-37.
295400.	Col. No. ELS 6302-32.	295406.	Col. No. ELS 6302-38.
294401.	Col. No. ELS 6302-33.	295407.	Col. No. ELS 6302-39.

Various cultivated types from 35 km. southeast of Addis Ababa, near Dukem. Elevation about 1,800 meters. I-E.

295408.	Col. No. ELS 6302-40.	295412.	Col. No. ELS 6302-44.
295409.	Col. No. ELS 6302-41.	295413.	Col. No. ELS 6302-45.
295410.	Col. No. ELS 6302-42.	295414.	Col. No. ELS 6302-46.
295411.	Col. No. ELS 6302-43.	295415.	Col. No. ELS 6302-47.

Various cultivated types from the Debre Zeit road, 60 km. southeast of Addis Ababa. Elevation about 2,000 meters. I-F.

295416.	Col. No. ELS 6302-48.	295420.	Col. No. ELS 6302-52.
295417.	Col. No. ELS 6302-49.	295421.	Col. No. ELS 6302-53.
295418.	Col. No. ELS 6302-50.	295422.	Col. No. ELS 6302-54.
295419.	Col. No. ELS 6302-51.		

295369 to 295582—Continued

Various cultivated types from Fiche road 20 km. north of Addis Ababa. Plateau elevation 2,430 to 3,000 meters. II-A.

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| 295423. Col. No. ELS 6302-55. | 295425. Col. No. ELS 6302-57. |
| 295424. Col. No. ELS 6302-56. | 295426. Col. No. ELS 6302-58. |

Various cultivated types from gray, rocky soil, Fiche road, 32 km. north of Addis Ababa. Elevation 2,400 to 3,000 meters. II-B.

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| 295427. Col. No. ELS 6302-59. | 295430. Col. No. ELS 6302-62. |
| 295428. Col. No. ELS 6302-60. | 295431. Col. No. ELS 6302-63. |
| 295429. Col. No. ELS 6302-61. | |

Various cultivated types from Fiche road, 35 km. north of Addis Ababa. Elevation 2,400 to 3,000 meters. II-C.

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| 295432. Col. No. ELS 6302-64. | 295436. Col. No. ELS 6302-68. |
| 295433. Col. No. ELS 6302-65. | 295437. Col. No. ELS 6302-69. |
| 295434. Col. No. ELS 6302-66. | 295438. Col. No. ELS 6302-70. |
| 295435. Col. No. ELS 6302-67. | 295439. Col. No. ELS 6302-71. |

Various cultivated types from Fiche road, 41 km. north of Addis Ababa. Elevation about 2,750 meters. II-D.

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| 295440. Col. No. ELS 6302-72. | 295444. Col. No. ELS 6302-76. |
| 295441. Col. No. ELS 6302-73. | 295445. Col. No. ELS 6302-77. |
| 295442. Col. No. ELS 6302-74. | 295446. Col. No. ELS 6302-78. |
| 295443. Col. No. ELS 6302-75. | 295447. Col. No. ELS 6302-79. |

Various cultivated types from shallow soil on deep slope, Fiche road, 50 km. north of Addis Ababa. Elevation 2,750 to 3,000 meters. II-E.

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| 295448. Col. No. ELS 6302-80. | 295453. Col. No. ELS 6302-85. |
| 295449. Col. No. ELS 6302-81. | 295454. Col. No. ELS 6302-86. |
| 295450. Col. No. ELS 6302-82. | 295455. Col. No. ELS 6302-87. |
| 295451. Col. No. ELS 6302-83. | 295456. Col. No. ELS 6302-88. |
| 295452. Col. No. ELS 6302-84. | 295457. Col. No. ELS 6302-89. |

Various cultivated types from black clay soil, Fiche road, 60 km. north of Addis Ababa. Elevation 2,750 to 3,000 meters. II-F.

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| 295458. Col. No. ELS 6302-90. | 295463. Col. No. ELS 6302-95. |
| 295459. Col. No. ELS 6302-91. | 295464. Col. No. ELS 6302-96. |
| 295460. Col. No. ELS 6302-92. | 295465. Col. No. ELS 6302-97. |
| 295461. Col. No. ELS 6302-93. | 295466. Col. No. ELS 6302-98. |
| 295462. Col. No. ELS 6302-94. | |

Various cultivated types from Fiche road, 65 km. north of Addis Ababa. Elevation 2,750 to 3,000 meters. II-G.

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| 295467. Col. No. ELS 6302-99. | 295471. Col. No. ELS 6302-103. |
| 295468. Col. No. ELS 6302-100. | 295472. Col. No. ELS 6302-104. |
| 295469. Col. No. ELS 6302-101. | 295473. Col. No. ELS 6302-105. |
| 295470. Col. No. ELS 6302-102. | |

Various cultivated types from Fiche road, near Debre Lebanos, 102 km. north of Addis Ababa. Elevation about 3,000 meters. II-H.

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| 295474. Col. No. ELS 6302-106. | 295478. Col. No. ELS 6302-110. |
| 295475. Col. No. ELS 6302-107. | 295479. Col. No. ELS 6302-111. |
| 295476. Col. No. ELS 6302-108. | 295480. Col. No. ELS 6302-112. |
| 295477. Col. No. ELS 6302-109. | 295481. Col. No. ELS 6302-113. |

295369 to 295582—Continued

Various cultivated types, Fiche road, 110 km. north of Addis Ababa. Elevation about 3,000 meters. II-I.

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|---------|------------------------|---------|------------------------|
| 295482. | Col. No. ELS 6302-114. | 295484. | Col. No. ELS 6302-116. |
| 295483. | Col. No. ELS 6302-115. | 295485. | Col. No. ELS 6302-117. |

Various cultivated types, Asmara road, 32 km. northeast of Addis Ababa. Elevation about 2,450 meters. III-A.

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|---------|------------------------|---------|------------------------|
| 295486. | Col. No. ELS 6302-118. | 295493. | Col. No. ELS 6302-125. |
| 295487. | Col. No. ELS 6302-119. | 295494. | Col. No. ELS 6302-126. |
| 295488. | Col. No. ELS 6302-120. | 295495. | Col. No. ELS 6302-127. |
| 295489. | Col. No. ELS 6302-121. | 295496. | Col. No. ELS 6302-128. |
| 295490. | Col. No. ELS 6302-122. | 295497. | Col. No. ELS 6302-129. |
| 295491. | Col. No. ELS 6302-123. | 295498. | Col. No. ELS 6302-130. |
| 295492. | Col. No. ELS 6302-124. | | |

Various cultivated types from Asmara road, 60 km. northeast of Addis Ababa. Elevation 2,450 to 2,700 meters. III-B.

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|---------|------------------------|---------|------------------------|
| 295499. | Col. No. ELS 6302-131. | 295504. | Col. No. ELS 6302-136. |
| 295500. | Col. No. ELS 6302-132. | 295505. | Col. No. ELS 6302-137. |
| 295501. | Col. No. ELS 6302-133. | 295506. | Col. No. ELS 6302-138. |
| 295502. | Col. No. ELS 6302-134. | 295507. | Col. No. ELS 6302-139. |
| 295503. | Col. No. ELS 6302-135. | | |

Various cultivated types from Asmara road, 81 km. northeast of Addis Ababa. Elevation about 2,750 meters. III-C.

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| 295508. | Col. No. ELS 6302-140. | 295516. | Col. No. ELS 6302-148. |
| 295509. | Col. No. ELS 6302-141. | 295517. | Col. No. ELS 6302-149. |
| 295510. | Col. No. ELS 6302-142. | 295518. | Col. No. ELS 6302-150. |
| 295511. | Col. No. ELS 6302-143. | 295519. | Col. No. ELS 6302-151. |
| 295512. | Col. No. ELS 6302-144. | 295520. | Col. No. ELS 6302-152. |
| 295513. | Col. No. ELS 6302-145. | 295521. | Col. No. ELS 6302-153. |
| 295514. | Col. No. ELS 6302-146. | 295522. | Col. No. ELS 6302-154. |
| 295515. | Col. No. ELS 6302-147. | | |

Various cultivated types from Asmara road, 107 km. northeast of Addis Ababa. Elevation 2,750 to 3,000 meters. III-D.

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|---------|------------------------|---------|------------------------|
| 295523. | Col. No. ELS 6302-155. | 295531. | Col. No. ELS 6302-163. |
| 295524. | Col. No. ELS 6302-156. | 295532. | Col. No. ELS 6302-164. |
| 295525. | Col. No. ELS 6302-157. | 295533. | Col. No. ELS 6302-165. |
| 295526. | Col. No. ELS 6302-158. | 295534. | Col. No. ELS 6302-166. |
| 295527. | Col. No. ELS 6302-159. | 295535. | Col. No. ELS 6302-167. |
| 295528. | Col. No. ELS 6302-160. | 295536. | Col. No. ELS 6302-168. |
| 295529. | Col. No. ELS 6302-161. | 295537. | Col. No. ELS 6302-169. |
| 295530. | Col. No. ELS 6302-162. | 295538. | Col. No. ELS 6302-170. |

Various types from Asmara road, New Debre Berhan, 126 km. northeast of Addis Ababa. Elevation about 3,000 meters. III-E.

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|---------|------------------------|---------|------------------------|
| 295539. | Col. No. ELS 6302-171. | 295541. | Col. No. ELS 6302-173. |
| 295540. | Col. No. ELS 6302-172. | 295542. | Col. No. ELS 6302-174. |

295369 to 295582—Continued

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| 295543. Col. No. ELS 6302-175. | 295548. Col. No. ELS 6302-180. |
| 295544. Col. No. ELS 6302-176. | 295549. Col. No. ELS 6302-181. |
| 295545. Col. No. ELS 6302-177. | 295550. Col. No. ELS 6302-182. |
| 295546. Col. No. ELS 6302-178. | 295551. Col. No. ELS 6302-183. |
| 295547. Col. No. ELS 6302-179. | |

Various types from Asmara road, 140 km. northeast of Addis Ababa. Elevation over 3,000 meters. III-F.

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|--------------------------------|--------------------------------|
| 295552. Col. No. ELS 6302-184. | 295556. Col. No. ELS 6302-188. |
| 295553. Col. No. ELS 6302-185. | 295557. Col. No. ELS 6302-189. |
| 295554. Col. No. ELS 6302-186. | 295558. Col. No. ELS 6302-190. |
| 295555. Col. No. ELS 6302-187. | 295559. Col. No. ELS 6302-191. |

Various types from Asmara road, 153 km. northeast of Addis Ababa. Elevation over 3,000 meters. III-G.

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|--------------------------------|--------------------------------|
| 295560. Col. No. ELS 6302-192. | 295562. Col. No. ELS 6302-194. |
| 295561. Col. No. ELS 6302-193. | 295563. Col. No. ELS 6302-195. |

Various cultivated types from Asmara road, 172 km. northeast of Addis Ababa. Elevation over 3,000 meters. III-H.

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|--------------------------------|--------------------------------|
| 295564. Col. No. ELS 6302-196. | 295569. Col. No. ELS 6302-201. |
| 295565. Col. No. ELS 6302-197. | 295570. Col. No. ELS 6302-202. |
| 295566. Col. No. ELS 6302-198. | 295571. Col. No. ELS 6302-203. |
| 295567. Col. No. ELS 6302-199. | 295572. Col. No. ELS 6302-204. |
| 295568. Col. No. ELS 6302-200. | 295573. Col. No. ELS 6302-205. |

Various cultivated types from Shashamanne road, near Shashamanne, 230 km. southeast of Addis Ababa. Elevation about 1,525 meters. IV-A.

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| 295574. Col. No. ELS 6302-206. | 295577. Col. No. ELS 6302-209. |
| 295575. Col. No. ELS 6302-207. | 295578. Col. No. ELS 6302-210. |
| 295576. Col. No. ELS 6302-208. | 295579. Col. No. ELS 6302-211. |

Various cultivated types from Shashamanne road, near Shashamanne, 250 km. southeast of Addis Ababa. Elevation about 1,525 meters. IV-B.

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| 295580. Col. No. ELS 6302-212. |
| 295581. Col. No. ELS 6302-213. |
| 295582. Col. No. ELS 6302-214. |

295583 and 295584.

From Ghana. Seeds collected by D. W. Fishler, Everglades Experiment Station, Belle Glade, Florida. Received Jan. 30, 1964.

295583. *HIBISCUS* sp. Malvaceae.
Near Tumu. Wild type; flowers yellow.

295584. *HIBISCUS* sp.

From Bawku. Plant in wild; leaves entire; flowers yellow.

295585 to 295597.

From Niger. Seeds collected by D. W. Fishler, Everglades Experiment Station, Belle Glade, Florida. Received Jan. 30, 1964.

295585. *CROTALARIA* sp. Leguminosae.
No. 1. From Maradi.

295585 to 295597—Continued

295586. *CROTALARIA* sp.
No. 2. Maradi Valley, Maradi. Plant in wild.
295587. *CROTALARIA* sp.
No. 3. Maradi Valley, Maradi. Plant in wild.
295588. *CROTALARIA* sp.
No. 4. Maradi Valley, Maradi. Plant in wild.
- 295589 and 295590. *HIBISCUS CANNABINUS* L. Malvaceae. Kenaf.
295589. No. 1. Village near Tarna. Stem red.
295590. No. 2. Tarna.
295591. *HIBISCUS ESCULENTUS* L. Okra.
Tarna.
295592. *HIBISCUS* sp.
No. 1. Maradi.
295593. *HIBISCUS* sp.
No. 2. Maradi. Wild type.
295594. *HIBISCUS* sp.
No. 3. Maradi.
295595. *HIBISCUS* sp.
No. 4. Tarna. Plant in wild.
295596. *HIBISCUS* sp.
No. 5. Maradi. Mixed varieties.
295597. *HIBISCUS* sp.
No. 6. Niamey. Plant in wild.

295598 and 295599.

From Niger. Seeds collected and presented by Rev. J. Ockers, Sudan Interior Mission, Maradi. Received Jan. 30, 1964.

295598. *HIBISCUS* sp. Malvaceae.
No. 1. Maradi.
295599. *HIBISCUS* sp.
No. 2. Maradi. Plant in wild.

295600 to 295613.

From Turkey. Seed procured from the College of Agriculture, University of Ankara, Ankara, under Public Law 480. Seeds collected from plants in the wild. Received Jan. 31, 1964.

295600. *LOLIUM MULTIFLORUM* Lam. Gramineae. Italian ryegrass.
Field No. 1032. Roadside, Izmir, Kusadasi. Elevation 40 meters. Plant annual or biennial; culms erect, to 60 cm. high; leaves 2 to 4 mm. wide; spike elongate, with 10 to 20 flowers; glumes oblong-linear, seven nerved; glumella 5 nerved.
295601. *LOTUS SULPHUREUS* Boiss. Leguminosae. Trefoil.
Field No. 1065. State farm, steppes, Urfa, Ceylanpinar. Elevation 480 meters. Perennial with short and harsh hairs; stem straight, branched, to 25 cm. high; leaflets sessile; flowers sulfur yellow.
295602. *MEDICAGO ARABICA* (L.) All. Leguminosae. Spotted burclover.
Field No. 1057. Izmir slopes. Elevation 30 meters. Hairy annual; leaves heart shaped, toothed; stipules ovatelanceolate; flowers to 5 in bunch.

295600 to 295613—Continued

295603. MEDICAGO MINIMA (L.) Grufbergs. Little medic.
 Field No. 1091. Roadside. Elevation 800 meters. Hairy annual; leaves ovate; corolla 4 mm. long.

295604. MEDICAGO ORBICULARIS (L.) All. Puttonclover.
 Field No. 1059. Field, Izmir, Kemalpaşa. Annual; leaves glabrous, toothed; stipules ovate, bunch shaped with one to five planes; seeds orbicular.

295605. MEDICAGO POLYMRHPA var. VULGARIS (Benth.) Shinners California burclover.
 Field No. 1061. Izmir, Urea, roadside. Annual; spike glabrous; leaflets oval; stipules ovate-lanceolate, toothed, bunch shaped; flowers one to five; seeds round.

295606. MEDICAGO SCUTELLATA (L.) Mill. Snail medic.
 Field No. 1062. Fields and meadows, Izmir. Hairy annual; stems to 50 cm. high; leaves large, ovate, feathered; stipules ovate-lanceolate, cleft or feathered; flowers one to three; seeds bowl-like, made of 5 or 6 pieces, 13-15 mm. broad.

295607. MEDICAGO TURBINATA var. ACULEATA Moris.
 Field No. 1060. Edge of fields and roadsides, Izmir, Menemen. Elevation 30 meters. Annual to 50 cm. high, branching at soil line, flowers yellow.

295608. TRIFOLIUM ARVENSE L. Leguminosae. Rabbitfoot clover.
 Field No. 1066. Slopes between Uhat and Tatvan. Elevation 1,750 meters. Annual to 20 cm. high; stems straight, thin; leaves long, ribbon-like, edges perforated; flowers light pink.

295609. TRIFOLIUM CAMPESTRE Schreb.
 Field No. 1037. Steppes, Izmir, Kemalpaşa. Plant to 30 cm. tall; stem thin; flowers yellow, spherical.

295610. TRIFOLIUM HYBRIDUM L. Alsike clover.
 Field No. 1027. Near garden, Izmir, Karaburun. Elevation 30 meters. Perennial to 50 cm. high; leaflets and stipules ovate; heads globular, to 2.5 cm. broad; pedicel long; flowers pink or white; pods 2 to 4 seeded.

295611. TRIFOLIUM PURPUREUM Loisel.
 Field No. 1038. Roadside Izmir, Bornova. Elevation 25 meters. Erect and hairy annual; leaves linear-lanceolate; flowers pink.

295612. TRIFOLIUM SPUMOSUM L.
 Field No. 1036. Roadside, Izmir, Bornova. Annual to 30 cm. high; stems branched; stipules wide, glabrous, lanceolate; leaflets wide, obovate, toothed; head big, bare.

295613. TRIFOLIUM TOMENTOSUM L. Woolly clover.
 Field No. 1029. Roadside and slopes, Izmir, Kemalpaşa. Elevation 100 meters. Glabrous annual to 50 cm. high; stems diffuse; stipules ovate-lanceolate; peduncles shorter than leaves; heads 5 mm. broad, in flower; corolla pink.

295614 to 295625. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Italy. Seeds presented by the Instituto di Genetica e Sperimentazione Agraria, Lonigo. Received Jan. 31, 1964.

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| 295614. 'Argelato'. | 295620. 'Libellula'. |
| 295615. 'Frassino'. | 295621. 'Lince'. |
| 295616. 'Gallini'. | 295622. 'Lontra'. |
| 295617. 'Lama'. | 295623. 'Lucciola'. |
| 295618. 'Leone 73'. | 295624. 'Lupo'. |
| 295619. 'Lepre'. | 295625. 'Produttore'. |

295626 to 295660.

From Rhodesia. Seeds presented by the Department of Research and Specialist Services, Salisbury. Received Jan. 31, 1964.

295626. ACROCERAS MACRUM Stapf Gramineae.

A.M. 3. (Chambesi).

295627 to 295638. CHLORIS GAYANA Kunth. Gramineae. **Rhodes grass.**

295627. Ch. G. 1. (Katambora). 295633. Ch. G. 12. (Masaba).

295628. Ch. G. 3. (Wankie). 295634. Ch. G. 13. (Rongai).

295629. Ch. G. 4. (Tamlakan). 295635. Ch. G. 14. (Enderbes).

295630. Ch. G. 5. (Nairaska). 295636. Ch. G. 15. (Mbarara).

295631. Ch. G. 8. (Chisambo). 295637. Ch. G. 16. (Kongwa).

295632. Ch. G. 11. (Mpapwa). 295638. Ch. G. 17. (Mkushi).

295639 to 295643. ERAGROSTIS CURVULA (Schrad.) Nees Gramineae.
Weeping lovegrass.

295639. EG. C. 1. (Grasslands Ermelo).

295640. EG. C. 3. (Grootfontein).

295641. EG. C. 5. (Basutoland).

295642. EG. C. 6. (Wilbank).

295643. EG. C. 7. (U.S. Leafy).

295644 to 295646. PANICUM COLORATUM L. Gramineae. **Klein grass.**

295644. P.C. 2. (Bushman Mine).

295645. P.C. 6. (Coloured Guinea).

295646. P.C. 7. (Chisambo).

295647 to 295649. PANICUM MAKARIKARIENSE (Goos.) Van Rensb.
Sweetgrass.

295647. P.C.M. 2. (Bambasi).

295648. P.C.M. 3. (Zhilo).

295649. P.C.M. 4. (Villa Gouviea).

295650 to 295653. PANICUM MAXIMUM Jacq. **Guineagrass.**

295650. P.M. 2. (Saki). 295652. P.M. 12. (Sakubva).

295651. P.M. 11. (Melsetter). 295653. P.M. 13. (Angola).

295654. PANICUM MEYERIANUM Nees

P.Me. 1.

295655 to 295660. CENCHRUS CILIARIS L. Gramineae. **Buffelgrass.**

295655. C.C. 3. (Chipinga). 295658. C.C. 9. (Nikoba).

295656. C.C. 4. (Grasslands). 295659. C.C. 10. (Kongwa).

295657. C.C. 5. (Mombo). 295660. C.C. 11. (Brian Pastures).

295661. CASSIA ALATA L. Leguminosae. **Ringworm cassia.**

From the United States Virgin Islands. Seeds presented by the United States Agricultural Research Service, Kingshill, St. Croix. Received Jan. 31, 1964.

295662. SACCHARUM (hybrid). Gramineae. **Sugarcane.**

From Mexico. Cuttings presented by the Instituto Para El Mej. De La Produccion De Azucar, Balderas. Received Feb. 6, 1964.

295663. MEDICAGO sp. Leguminosae.

From Spain. Seeds held by the Soil Conservation Service, National Plant Materials Center, Beltsville, Md. Received from Madrid, Spain. Received Feb. 6, 1964.

295664. TIGRIDIA sp. Iridaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 6, 1964.

Col. No. 20442. In wild, Sierra Ixtlan, Oaxaca. Elevation 9,000 feet. Perennial herb; leaves attractive; flowers red and yellow.

295665. MALUS SYLVESTRIS Mill. Rosaceae. Common apple.

From Great Britain. Scions presented by B. P. Tompsett, Crittenden House, Matfield, Tonbridge, England. Received Feb. 10, 1964.

'Crittenden'.

295666. COIX LACHRYMA-JOBI L. Gramineae. Jobs-tears.

From Puerto Rico. Seeds presented by the Agricultural Experiment Station, University of Puerto Rico, Rio Piedras. Received Feb. 10, 1964.

From Mayaguez.

295667 and 295668. LINUM USITATISSIMUM L. Linaceae. Flax.

From Great Britain. Seeds presented by the Department of Agriculture, University of Oxford, England. Received Feb. 10, 1964.

295667. 'Indus'.

295668. 'LCS D 200'.

295669 to 295679.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Feb. 10, 1964.

295669. *FESTUCA ARUNDINACEA* Schreb. Gramineae. Tall fescue.

No. 28448. Wild growing.

295670. *FESTUCA ELATIOR* L. Meadow fescue.

No. 29230. Wild growing.

295671. *FESTUCA ELATIOR* L. Meadow fescue.

No. 31895. Carpathians.

295672. *FESTUCA RUBRA* L. Red fescue.

No. 31197. 'Yaroslavskaja 134'. Yaroslave Region.

295673 to 295679. *TRIFOLIUM PRATENSE* L. Leguminosae. Red clover.

295673. No. 28847. Wild growing; Georgia, U.S.S.R.

295674. No. 30890. Wild growing; Georgia, U.S.S.R.

295675. No. 30893. Wild growing; Georgia, U.S.S.R.

295676. No. 30908. Wild growing; Armenia, U.S.S.R.

295677. No. 32675. Wild growing; Abkhazia, U.S.S.R.

295678. No. 32680. Wild growing; Abkhazia, U.S.S.R.

295679. No. 33789. Wild growing; Armenia, U.S.S.R.

295680. PYRUS COMMUNIS L. Rosaceae. Pear.

From the Netherlands. Scions presented by the Fruit Growing Experiment Station, Wilhelminadorp. Province of Zeeland. Received Feb. 11, 1964.

'Oomskindeven'='Kruidernier'.

295681 and 295682. ACTINIDIA CHINENSIS Planch. Dilleniaceae.
Yang tao.

From New Zealand. Plants growing at the Plant Introduction Station, Chico, Calif. Received as scions August 1963, from the New Zealand Dept. of Agr., Auckland. Numbered Feb. 11, 1964.

Plants crop regularly and heavily; the vines respond well to a spur-bearing type of pruning, making it a good home garden variety; fruit good size and quality. The two varieties differ slightly in time of fruit maturity.

295681. 'Monty A'.

295682. 'Monty B'.

295683 to 295686. ACTINIDIA CHINENSIS Planch. Dilleniaceae.
Yang tao.

From New Zealand. Plants growing at the Plant Introduction Station, Chico, Calif. Received as grafted plants May 1960, from J. Gracie, Auckland. Numbered Feb. 11, 1964.

295683. 'Abbott'. C27784. Plant strong grower, first to flower, heavy cropper; fruit longish, good quality.

295684. 'Bruno'. C27783. Plant good cropper; fruit very long, chestnut brown, very hairy, excellent quality.

295685. 'Hayward'. C27782. Plant late flowering, posing pollination problems, medium cropper; fruit large, oval, good quality, good keeper.

295686. C27785. Staminate plant, flowering midseason to late. One male plant is recommended to 6 females.

295687 to 295708.

From the Republic of South Africa. Seeds presented by the Agricultural Technical Services, Pretoria. Received Feb. 12, 1964.

295687. ERAGROSTIS ATHERSTONEI Stapf Gramineae.

B/53/299. Pretoria.

295688. ERAGROSTIS LEHMANNIANA Nees

Lehmann lovegrass.

B/53/303. Viljoenskroon.

295689. ERAGROSTIS BICOLOR Nees

B/54/63. Grootfontein.

295690. ERAGROSTIS CURVULA (Schrad.) Nees

Weeping lovegrass.

B/50/20. Piketberg.

295691. ERAGROSTIS CURVULA (Schrad.) Nees

Weeping lovegrass.

B/53/31. Piketberg, Porterville.

295692. ERAGROSTIS OXYLEPIS (Torr.) Torr.

U/50/209. Texas.

295693. ERAGROSTIS CURVULA (Schrad.) Nees

Weeping lovegrass.

B/50/12. Upington.

295694. ERAGROSTIS ECHINOCHLOIDEA Stapf.

B/53/49. Paarl, Cape Province.

295695. ERAGROSTIS FERRUGINEA (Thunb.) Beauv.

Korean lovegrass.

U/57/205. Misima.

295696. ERAGROSTIS LEHMANNIANA Nees

Lehmann lovegrass.

B/51/39. Gembok Park.

295697. ERAGROSTIS CURVULA (Schrad.) Nees

Weeping lovegrass.

B/52/37. Oorlogspoort.

295687 to 295708—Continued

- 295698 and 295699. *ERAGROSTIS LEHMANNIANA* Nees **Lehmann lovegrass.**
 295698. B/53/128. Vaalbank.
 295699. B/53/143. Rietvlei.
295700. *ERAGROSTIS CURVULA* (Schrad.) Ness **Weeping lovegrass.**
 B/53/21. Thabazimbi.
- 295701 and 295702. *ERAGROSTIS SARMENTOSA* (Thunb.) Trin.
 295701. B/21/31. Beaufort West.
 295702. B/52/54. De doorns.
295703. *ERAGROSTIS CURVULA* (Schrad.) Ness **Weeping lovegrass.**
 B/52/119. Langebaanweg.
- 295704 to 295706. *ERAGROSTIS SUPERBA* Peyr.
 295704. B/52/89. Fauresmith.
 295705. B/53/132. Vaalbank.
 295706. B/53/285. Maquasi.
295707. *ERAGROSTIS CURVULA* (Schrad.) Ness **Weeping lovegrass.**
 B/53/1. Mokhotlong.
295708. *ERAGROSTIS* sp.
 U/51/113. Melsetter. S. Rhodesia.
- 295709 to 295712. PRUNUS AVIUM L. Rosaceae. Sweet cherry.**
 From France. Scions presented by the Station de Recherches Viticoles, Oenologiques et d'Arboriculture Fruitiere, Angers. Received Feb. 12, 1964.
 Bigarreau type. Tested and found to be virus negative on peaches and Shirofugen cherry.
295709. 'Marmotte'. 295711. 'Napoleon'.
 295710. 'Moreau'. 295712. 'Reverchon'.
- 295713 to 295756. ARACHIS HYPOGAEA L. Leguminosae.**
 From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Feb. 12, 1964.
295713. AH-32 (TMV-2). Madras. Bunch strain.
 295714. AH-334 (TMV-4). Madras. Spreading strain.
 295715. AH-6961. Adilabad, Bihar variety.
 295716. AH-6982. N.G. 243. Nagpur variety.
 295717. AH-6985. N.G. 337. Nagpur variety.
 295718. AH-6995. G. 0787. Pondicherry, Bombay and Mysore variety.
 295719. AH-6996. G. 0789. B.1. Punjab, Mysore spreading variety.
 295720. AH-7001. G. 0788. D.3. Madras.
 295721. AH-7011. G. 0129. Refisque Senegal, W. Africa.
 295722. AH-7038. G. 0966. Myungo, Tanganyika variety.
 295723. AH-7046. G. 1016, 43, G68. South Africa.
 295724. AH-7053. G. 0106, H.G.1. Mysore bunch, late.
 295725. AH-7063. G.O. 998. Big Japan, Kashmir.
 295726. AH-7108. G. 0987. TMV-2. Madras.

295713 to 295756—Continued

295727. AH-7118. 'Philippine Pink'. Punjab variety.
 295728. AH-7135. AH25. Burma variety.
 295729. AH-7137. TMV-3. Burma variety.
 295730. AH-7140. A.H. 45. Burma variety.
 295731. AH-7144. Small Spanish, Burma.
 295732. AH-7145. 'Imperial Spanish'.
 295733. AH-7172. C.P.I. 12155. Cerientes, Australia. Testa very dark.
 295734. AH-7176. C.P.I. 13776. T.M.V-1. India.
 295735. AH-7186. C.P.I. 16857. Local variety, East Africa.
 295736. AH-7197. 2.104 'Red Spanish'. Australia.
 295737. AH-7228. E.B.M. Local 6/1/1, Malaya variety.
 295738. AH-7231. K. Kedalai 8/1/3, Malaya variety.
 295739. AH-7234. P. Kelanti 1/1/2, Malaya variety.
 295740. AH-7246. 'Meterera Winner'.
 295741. AH-7268. Long Manyema A-28, Brazil, Sudan.
 295742. AH-7275. Manyema strain, Tanganyika.
 295743. AH-7278. Manyema Nayasa, Sudan.
 295744. AH-7288. H.G.3. Bangalore (Spanish) India.
 295745. AH-7315. Small red grain, China variety.
 295746. AH-7317. China variety.
 295747. AH-7319. China variety.
 295748. AH-7435. C.P.58/194, A.C.PHA, Greece.
 295749. AH-7437. C.P.58/196, 51 G 64 A, Greece.
 295750. AH-7446. 18-38 Pouva, Greece.
 295751. AH-7468B. 'Virginia' (544A) from R.H.O. Paris.
 295752. AH-7470. 'Renge de Londerna' (A112 Paris).
 295753. AH-7506. Var. Seng. E.C. 16659, China.
 295754. AH-7507. Var. 154, E.C. 16660, China.
 295755. AH-7509. Var. 135, E.C. 16662, China.
 295756. AH-7510. Var. 119, E.C. 16663, China.

295757. CORYLUS AVELLANA L. Betulaceae.**Filbert.**

From Yugoslavia. Scions presented by the Director, Department of Agriculture, Forestry, and Veterinarian Medicine, Ljubljana and Mamnik. Received Feb. 13, 1964.

'Pellicola bianca'.

295758. CANAVALIA GLADIATA (Jacq.) DC. Leguminosae.**Swordbean.**

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Manila. Received Feb. 13, 1964.

Seeds small for the species, white.

295759 to 295773.

From Japan. Seeds presented by the Faculty of Agriculture, Mie University, Mie. Received Dec. 17, 1963. Numbered Feb. 13, 1964.

295759 to 295773—Continued

295759. *MISCANTHUS OLIGOSTACHYUS* Stapf Gramineae.

295760. *MISCANTHUS SACCHARIFLORUS* (Maxim.) Hack.

Tetraploid.

295761. *MISCANTHUS SINENSIS* var. *CONDENSATUS* (Hack.) Makino

F₁ seeds from 8 crosses between cultivars.

295762. *MISCANTHUS FLORIDUS* (Labill) Warb.

295763. *MISCANTHUS SINENSIS* var. *CONDENSATUS* (Hack.) Makino

Triploid.

295764. *MISCANTHUS SINENSIS* var. *GRACILLIMUS* Hitch.

295765. *MISCANTHUS SINENSIS* var. *VARIEGATUS* Beal

295766 and 295767. *MISCANTHUS SACCHARIFLORUS* (Maxim.) Hack.

295766. Tetraploid.

295767. Triploid.

295768. *MISCANTHUS SACCHARIFLORUS* var. *BREVIBARBIS* (Honda) Adati

Triploid.

295769. *MISCANTHUS SACCHARIFLORUS* f. *LATIFOLIUS* Adati

Pentaploid.

295770. *SACCHARUM ARENICOLA* Ohwi Gramineae.

295771. *SACCHARUM* sp.

No. 1.

295772. *SACCHARUM* sp.

No. 2.

295773. *SACCHARUM* sp.

No. 3.

295774. *MALUS SYLVESTRIS* Mill. Rosaceae. **Common apple.**

From Sweden. Scions presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received Feb. 18, 1964.

'BN-902643'.

295775 to 295838.

From Turkey. Seeds collected and held by D. R. Cornelius, Crops Research Division, Agricultural Research Service, Berkeley, Calif. Collected in 1961. Numbered Feb. 18, 1964.

Plants are annuals unless otherwise noted.

295775 and 295776. *ASTRAGALUS HAMOSUS* L. Leguminosae.

295775. Col. No. 140. Huseyikan, Silver, Diyarbekir Province.

295776. Col. No. 219. Basalt soil, Balikanli, Gaziantep Province.

295777. *GALEGA OFFICINALIS* L. Leguminosae. **Common goatsrue.**

Col. No. 895. Bolu, Duzce, Topcular Koyu, Adipazari Province.

Perennial.

295778. *HIPPOCREPIS UNISILIQUOSA* L. Leguminosae.

Col. No. 164. Siirt, Kozluk Chesmesi, Siirt Province.

295779 to 295782. *HYMENOCARPOS CIRCINNATUS* (L.) Savi Leguminosae.

295779. Col. No. 136. Huseyn, Kara, Batman, Diyarbakir Province.

295775 to 295838—Continued

295779 to 295782—Continued

295780. Col. No. 188. Ten km. west of Siirt Province.

295781. Col. No. 218. Basalt soil, Balikanli, Gaziantep Province.

295782. Col. No. 829. Northwest slope, Derbent, Samsun Province.

295783. *LATHYRUS* cf. *DIGITATUS* (Bieb.) Fiori Leguminosae.

Col. No. 119. Sandstone area Lice-Kara, Diyarbekir Province.

295784. *MEDICAGO CORONATA* (L.) Gaertn. Leguminosae.

Col. No. 105. Silvan-Bazin Koyu, 52 km. from Urban, Diyarbekir Province.

295785. *MEDICAGO GALILAEA* Boiss

Col. No. 255(9). Maras Province.

295786. *MEDICAGO LACINIATA* (L.) Mill.

Col. No. 377 C. Pergama, Izmir Province.

295787. *MEDICAGO LITTORALIS* Rhode ex Loisel.

Col. No. 377 B. Pergama, Izmir Province.

295788 to 295791. *MEDICAGO LUPULINA* L.

Black medic.

295788. Col. No. 246. Hinzirle Koyu, Toros Mountains, Gaziantep Province. Elevation 1,500 meters.

295789. Col. No. 606. Bottom land, Atakurk University land, Erzurum Province.

295790. Col. No. 836. Sakarya River.

295791. Col. No. 914. Camlidere, Orman Fidanlege, Bolu-Ankara Highway.

295792 to 295795. *MEDICAGO MINIMA* (L.) Grufbergs.

Little medic.

295792. Col. No. 255 (5). Maras Province.

295793. Col. No. 347 D. Rhodes Island.

295794. Col. No. 377 A. Pergama, Izmir Province.

295795. Col. No. 888. Geyve, Adipazari Province.

295796. *MEDICAGO MUREX* Willd.

Col. No. 827 (2,7). Northwest slope, Derbent, Samsun Province.

295797. *MEDICAGO NOEANA* Boiss.

Col. No. 190. Ten km. west of Siirt, Siirt Province.

295798 to 295802. *MEDICAGO ORBICULARIS* (L.) All.

Buttonclover.

295798. Col. No. 212. Dry, rocky limestone soil, Bedik Koyu, 16 km. north of Gazintep Province. Elevation 700 meters.

295799. Col. No. 279 B. Lalahon Goat Range near Ankara.

295800. Col. No. 832. Northwest slope, Derbent, Samsun Province.

295801. Col. No. 883. Geyve, Adipazari Province.

295802. Col. No. 802. Camlidere, Orman Fidanlege., Bolu-Ankara Highway.

295803 to 295813. *MEDICAGO POLYMORPHA* L.

295803. Col. No. 8. Toros mountains, 35 km. north of Tarsus, Ankara-Tarsus Highway roadside. Elevation 850-900 meters.

295804. Col. No. 59. Dongel Koyu, 45 km. north of Marash, Marash Province. Elevation 1,000 meters.

295775 to 295838—Continued**295803 to 295813—Continued**

295805. Col. No. 138. Huseyn, Kara, Batman, Diyarbekir Province.
 295806. Col. No. 167. Siirt, Kozluk Chesmesi, Siirt Province.
 295807. Col. No. 251. Maras Province.
 295808. Col. No. 279 A. Lalahon Goat Range near Ankara.
 295809. Col. No. 362 B. Aliagot Paza Ciftigi, Izmir Province. Elevation 40 meters.
 295810. Col. No. 602. Bottom land, Ataturk University land, Erzurum Province.
 295811. Col. No. 818. Steep, rocky, northern slope between Experiment Station and Samsun.
 295812. Col. No. 827 (5). Northwest slope, Derbent, Samsun Province.
 295813. Col. No. 858. Oak-hazelnut clearing, Taskopru, Eskisehir Province. Elevation 1,370 meters.

295314. MEDICAGO POLYMORPHA var. VULGARIS (Benth.) Shinnery California burclover.

Col. No. 377 G. Pergama, Izmir Province.

295315. MEDICAGO RADIATA L.

Col. No. 206. Dry rocky limestone soil, Bedik Koyu, 16 km. north of Gaziantep, Gaziantep Province. Elevation 700 meters.

295316 to 295829. MEDICAGO RIGIDULA (L.) Desr.

Tifton medic.

295816. Col. No. 76. Donge' Koyu, 45 km. north of Marash, Marash Province. Elevation 1,000 meters.
 295817. Col. No. 97. Dry, flint soil area, Akziyaret Mintikas, 30 km. from Urfa, Urfa Province.
 295818. Col. No. 122. Bibiyan Yaylasi, Lice Kara road, 45 km. from Diyarbekir, Diyarbekir Province.
 295819. Col. No. 123. Bibiyan Yaylasi, Lice Kara road, 45 km. from Diyarbekir, Diyarbekir Province.
 295820. Col. No. 142. Huseyikan, Silvan, Diyarbekir Province.
 295821. Col. No. 143. Huseyikan, Silvan, Diyarbekir Province.
 295822. Col. No. 191. Ten km. west of Siirt, Siirt Province.
 295823. Col. No. 192. Ten km. west of Siirt, Siirt Province.
 295824. Col. No. 215. Basalt soil, Balikanli, Gaziantep Province.
 295825. Col. No. 230. Keferdiz, Taurus Mountains, Gaziantep Province. Elevation 1,750 meters.
 295826. Col. No. 279 C. Lalahon Goat Range near Ankara.
 295827. Col. No. 508. Akdagmadeni, Ozan Koyu, Sivas Province.
 295828. Col. No. 906. Camlidere, Orman, Fidanlege, Bolu-Ankara highway.
 295829. Col. No. 927. Dry basaltic ridge, Ucbas Koyu, 3 km. south of Kizilcaham, Ankara Province.

295830. MEDICAGO SHEPARDI Post ex Boiss

Col. No. 110. Basalt soil, Siverek, Urfa Province.

295831 to 295837. MEDICAGO TURBINATA (L.) All.

295831. Col. No. 22. Alman Pinari, Osmaniye, Adana Province.

295775 to 295838—Continued**295831 to 295837—Continued**

295832. Col. No. 30. Hasanbeyli, near Alman Pinarli, Karatash-Adana Province.

295833. Col. No. 103. Silvare-Bazin Koyu, 52 km. from Urfa, Diyarbekir Province.

295834. Col. No. 183. Besiri, Kara, Kiredag Yokuen, Siirt Province.

295835. Col. No. 207. Dry, rocky limestone soil, Bedik Koyu, 16 km. north of Gaziantep, Gaziantep Province. Elevation 700 meters.

295836. Col. No. 224. Limestone soil, Kara Dag, Gaziantep Province. Elevation 3,300 meters.

295837. Col. No. 241. Dry soil, Besoleli, Koyu, Gaziantep Province.

295838. *TRIGONELLA* cf. *STELLATA* Forsk. Leguminosae.

Col. No. 17. Alman Pinari, Osmaniye, Adana Province.

295839 to 295841. SACCHARUM (hybrid). Gramineae.**Sugarcane.**

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore and Sugarcane Substation, Cannanore. Received Feb. 19, 1964.

295839. 'Co. 603'.

295840. 'Co. 741'.

295841. 'SES 199A'.

295842 to 295850. CITRULLUS LANATUS (Thunb.) Mansf.

Cucurbitaceae.

Watermelon.

From the Republic of South Africa. Seeds presented by the United States Embassy, Pretoria. Received Feb. 20, 1964.

295842. No. W-7. DL/64/83. Hard seed coat. Seeds mottled, relatively small, thickened.

295843. No. W-8. DL/64/78. Seeds flat, white.

295844. No. W-17-A. DL/64/84. Seeds mottled, smallish.

295845. No. W-26. DL/64/85. Seeds small, white.

295846. No. W-28. DL/64/80. Seeds small, mottled.

295847. No. W-29. DL/64/86. Seeds small, mottled.

295848. No. W-30. DL/64/79. Seeds small, mottled, thickened.

295849. No. W-31. DL/64/81. Seeds small, often yellowish.

295850. No. W-35. DL/61/82. Seeds mottled, thickened.

295851. CROTALARIA JUNCEA L. Leguminosae.**Sunn-hemp.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Feb. 20, 1964.

295852. PIERIS JAPONICA (Thunb.) G. Don. Ericaceae.**Japanese pieris.**

From Japan. Seeds presented by the Department of Agriculture, Ehime University, Matuyama. Received Feb. 20, 1964.

Hiroshima Distr., Honshu.

295853. DAUCUS MAXIMUS Desf. Umbelliferae.

From Lebanon. Seeds presented by the American University of Beirut, Beirut. Received Feb. 20, 1964.

Collected near Tripoli. Common in fields, olive grove, vineyards.

295854 to 295860.

From Israel. Seed procured under Public Law 480. Received Feb. 20, 1964.

295854 to 295856. *DAUCUS AUREUS* Desf.

295854. No. 82-54. Mixed alluvial soil, edge of water ditch, Wadi Rubin. Annual rainfall 500 mm.

295855. No. 83-54. Terra rossa alluvial soil, in banana grove, Carmel coast. Annual rainfall 600 mm.

295856. No. 85-54. Terra rossa field, Mayan Harod. Annual rainfall 450 mm.

295857 and 295858. *DAUCUS BROTERI* Tenore

295857. No. 87-54. Terra rossa alluvial soil, edge of ditch, in flooded field, Beit Alpha.

295858. No. 88-54. Gravel ditch, Mediterranean chapparal, Waki Amud. Annual rainfall 700 mm.

295859. *DAUCUS JORDANICUS* Post

No. 86-54. Heavy alluvial field, Yardena. Annual rainfall 300 mm.

295860. *DAUCUS MAXIMUS* Desf.

No. 84-54. Terra rossa soil, terraced field edge, Damun (Mt. Carmel). Annual rainfall 600 mm.

295861 to 295864.

From Spain. Seeds procured under Public Law 480. Received Feb. 20, 1964.

295861. *DAUCUS CAROTA* L.

Carrot.

No. 6. Local name: Zanahoria silvestre. From El Viso (Royal City). Uncultivated biennial, in wild along beaches, Mediterranean type.

295862. *DAUCUS MAXIMUS* Desf.

No. 7. Local name: Greater wild carrot. From Bailen (Jaen). Plants rough, tough, tall biennials, vigorous in dry, loamy, limestone soil in warm climate. Not livestock grazed. A circummediterranean species.

295863. *DAUCUS MURICATUS* L.

No. 8. From Villa del Rio (Cordoba). Plants not vigorous, prefer limey loam in warm climate.

295864. *DAUCUS SETIFOLIUS* Desf.

No. 9. From Andujar (Jaen). Plant biennial or perennial preferring a warm climate and sandy soil.

295865 to 295870.

From the United States. Seeds collected by L. A. Mullen, Regional Plant Introduction Station, Pullman, Wash. Received Feb. 20, 1964.

295865. *PENSTEMON VENUSTUS* Dougl. Scrophulariaceae.

Col. No. M-8. In wild, on thin soil, dry western slope, over basalt, 3 miles north of Winchester, Idaho. Elevation 3,000 feet.

295866. *PRUNUS VIRGINIANA* var. *DEMISSA* (Torr. & Gray) Torr. Rosa-ceae. Western chokecherry.

Col. No. M-6. Local name "Red chokecherry". Along railway 0.25 mile northwest of Wawawai, Washington. Elevation 700 feet. Plant typical, ornamental; fruit wildlife food in wild, also used for jelly.

295867. *PRUNUS VIRGINIANA* var. *MELANOCARPA* (A. Nels.) Sarg.

Black chokecherry.

Col. No. M-7. Local name: "Black chokecherry". City limits, Colfax, Washington. Elevation 2,300 feet. Plant typical, ornamental; fruit wild-like food in wild, also used for jelly.

295865 to 295870—Continued

295868 to 295870. *SORBUS SCOPULINA* Greene Rosaceae. **Mountain-ash.**

Plant typical, from wild, ornamental; fruit wildlife food in wild.

295868. Col. No. M-2. Eastern slope, two miles southeast of Worley, Idaho. Elevation 2,500 feet. Fruits medium red.

295869. Col. No. M-3. Six miles west of Glengary, Idaho. Elevation 3,000 feet. Fruits medium red.

295870. Col. No. M-4. Western exposure, thin soil, Freezeout Saddle, 16 miles east of Clarkia, Idaho. Elevation 5,500 feet. Plant dense; fruits small, red.

295871. *CORYLUS AVELLANA* L. Betulaceae. **Filbert.**

From Italy. Trees presented by the Institute for Cultivated Trees, University of Torino, Torino. Received Feb. 20, 1964.

'Tonda gentile delle Langhe'.

295872. *STYLOSANTHES GUYANENSIS* (Aubl.) Swartz
Leguminosae.

From Australia. Seeds presented by A. T. Semple, Turrialba, Costa Rica. Received Feb. 24, 1964.

Commonwealth Scientific and Industrial Research Organization, Canberra, 9215. Makes excellent leafy growth at Turrialba.

295873 to 295875.

From Costa Rica. Seeds presented by A. T. Semple, Turrialba. Received Feb. 24, 1964.

295873. *COIX LACHRYMA-JOBI* L. Gramineae. **Jobs-tears.**

From a Turrialba swamp.

295874 and 295875. *CROTALARIA JUNCEA* L. Leguminosae. **Sunn-hemp.**

295874. From I.A.I.A.S., Turrialba.

295875. From de Escuela Agricola Pan-Americano, Zamorand.

295876. *CLITORIA TERNATEA* L. Leguminosae. **Asian pigeonwings.**

From Mexico. Seeds presented by A. T. Semple, Turrialba, Costa Rica. Received Feb. 24, 1964.

From I.N.I.A.

295877. *DESMODIUM INTORTUM* (Mill.) Urb. Leguminosae.

From the United States. Seeds presented by A. T. Semple, Turrialba, Costa Rica. Received Feb. 24, 1964.

Hawaii Agricultural Experiment Station, 4331, SCS, Hawaii.

295878. *ORYZA SATIVA* L. Gramineae. **Rice.**

From Italy. Seeds presented by the Stazione Sperimentale di Riscicoltura, Vercelli. Received Feb. 24, 1964.

'Carnoroli'.

295879 to 295938.

From Israel. Seeds presented by the Faculty of Agriculture, The Hebrew University, Jerusalem. Received Feb. 24, 1964.

295879 to 295898. *AVENA BARBATA* Brot. Gramineae. **Slender oats.**

A collection of wild oats. OCR= oat crown rust; OSR= oat stem rust.

295879. No. 7-26. H. Bet-zeneta, upper Galilee.

295879 to 295938—Continued**295879 to 295898—Continued**

295880. No. 7-27. Miilya, upper Galilee.
 295881. No. 7-31. Har Addir, upper Galilee.
 295882. No. 7-32. Gush Halav, eastern upper Galilee.
 295883. No. 7-33. Kerem-Ben-Zimra, eastern upper Galilee.
 295884. No. 7-36. Gadot, Korazim.
 295885. No. 7-37. Regba, coast of Galilee.
 295886. No. 7-38. Amqa, coast of Galilee.
 295887. No. 7-40. Peqiin, upper Galilee.
 295888. No. 7-41. Bet-jann, upper Galilee.
 295889. No. 7-43. Meron, upper Galilee.
 295890. No. 7-44. En-Zetim, eastern upper Galilee.
 295891. No. 7-47. Akko (Acre), coast of Galilee.
 295892. No. 7-48. Har Gamal, upper Galilee.
 295893. No. 7-49. Yirka, upper Galilee.
 295894. No. 7-51. Majd el Kurum, upper Galilee.
 295895. No. 7-56. Kefar Masaryk, Haifa Bay.
 295896. No. 7-63. Yavor, Haifa Bay.
 295897. No. 7-64. H. Neiel, Haifa Bay.
 295898. No. 7-68. Afek, Haifa Bay.

295899 to 295938. AVENA STERILIS L.**Animated oats.**

A collection of wild oats. OCR = oat crown rust; OSR = oat stem rust.

295899. No. 6-31. Yehiam-Miilya Junction, upper Galilee.
 295900. No. 6-31-2. Seeds from one plant of 6-31. Susceptible to race 276 OCR and race 6 OSR. Rehovot greenhouse grown.
 295901. No. 6-31-3. Seeds from one plant of 6-31. Susceptible to race 276 OCR and race 6 OSR. Rehovot greenhouse grown.
 295902. No. 6-31-4. Seeds from one plant of 6-31. Susceptible to race 276 OCR and race 6 OSR. Rehovot greenhouse grown.
 295903. No. 6-35. Elqosh, upper Galilee.
 295904. No. 6-35-3. Seeds from one plant of 6-35. Susceptible to race 276 OCR and race 6 OSR. Rehovot greenhouse grown.
 295905. No. 6-40. Kh. Marus, eastern upper Galilee.
 295906. No. 6-40-3. Seeds from one plant of 6-40. Very resistant to race 276 OCR and susceptible to race 6 OSR. Rehovot greenhouse grown.
 295907. No. 6-42. Gadot, Korazim.
 295908. No. 6-42-1. Seeds from one plant of 6-42. Susceptible to race 276 OCR and race 6 OSR. Rehovot greenhouse grown.
 295909. No. 6-42-2. Seeds from one plant of 6-42. Moderately resistant to race 276 OCR and susceptible to race 6 OSR. Rehovot greenhouse grown.
 295910. No. 6-42-3. Seeds from one plant of 6-42. Susceptible to race 276 OCR and race 6 OSR. Rehovot greenhouse grown.
 295911. No. 6-43. Regba, coast of Galilee.
 295912. No. 6-44. Amqa, coast of Galilee.

295879 to 295938—Continued**295899 to 295938—Continued**

295913. No. 6-49. Meron, upper Galilee.
295914. No. 6-50. En-Zetim, eastern upper Galilee.
295915. No. 6-51. Hazor, eastern upper Galilee.
295916. No. 6-52. Kefar HaNasi, Korazim.
295917. No. 6-52-2. Seeds from one plant of 6-52. Very resistant to race 276 OCR and susceptible to race 6 OSR. Rehovot greenhouse grown.
295918. No. 6-52-5. Seeds from one plant of 6-52. Susceptible to race 276 OCR and race 6 OSR. Rehovot greenhouse grown.
295919. No. 6-53. Akko (Acre), coast of Galilee.
295920. No. 6-53-1. Seeds from one plant of 6-53. Susceptible to race 276 OCR and moderately resistant to race 6 OSR. Rehovot greenhouse grown.
295921. No. 6-53-2. Seed from one plant of 6-53. Susceptible to race 276 OCR and moderately resistant to race 6 OSR. Rehovot greenhouse grown.
295922. No. 6-54. Kefar Yasif, coast of Galilee.
295923. No. 6-57. Majd el Kurum, upper Galilee.
295924. No. 6-58. Nahf, upper Galilee.
295925. No. 6-62. Amirim, upper Galilee.
295926. No. 6-63. Amiad, Korasim.
295927. No. 6-64. Kefar Masaryk, Haifa Bay.
295928. No. 6-64-3. Seeds from one plant of 6 OSR. Rehovot greenhouse grown.
295929. No. 6-70-2. Seeds from one plant of 6-70. Very resistant to race 276 OCR and susceptible to race 6 OSR. Rehovot greenhouse grown.
295930. No. 6-71. Yavor, Haifa Bay.
295931. No. 6-71-1. Seeds from one plant of 6-71. Susceptible to race 276 OCR and race 6 OSR. Rehovot greenhouse grown.
295932. No. 6-71-2. Seeds from one plant of 6-71. Susceptible to race 276 OCR and race 6 OSR. Rehovot greenhouse grown.
295933. No. 6-71-11. Seeds from one plant of 6-71. Rehovot field grown.
295934. No. 6-71-14. Seeds from one plant of 6-71. Rehovot field grown.
295935. No. 6-71-16. Seeds from one plant of 6-71. Rehovot field grown.
295936. No. 6-78. Huqoq, eastern lower Galilee.
295937. No. 6-79. Kare Deshe, Sea of Galilee.
295938. No. 6-79-12. Seeds from one plant of 6-79. Rehovot field grown.

295939. AVENA SATIVA L.**Common oats.**

From Great Britain. Seeds presented by J. D. Hayes, Aberystwyth, Wales.
Received Feb. 24, 1964.

295939—Continued

'Peniarth S. 238'. A new, high-yielding, stem eelworm-resistant, winter oat developed from S.172 F₂ selection from S.147 × 01747/10/7. Tested 3 years, National Institute of Agricultural Botany; yielded 11 percent more grain than 'Powys' and 17 percent more grain than S.147, a parent. The straw is as long as, but stiffer than 'Powys'. It performs well under a wide range of fertility conditions, and under British conditions is resistant to stem eelworm and moderately resistant to mildew.

295940 to 295943.

From Korea. Seeds presented by the Crop Experiment Station, Suwon. Received Feb. 24, 1964.

295940. *LESPEDEZA* sp. Leguminosae.

L-1018. Line selection for excellence and recommended for reclaimed acidic soils for soil improvement. Early flowering; matures in 60 days.

295941. *LESPEDEZA STRIATA* Hook. & Arn. **Common lespedeza.**

L-1021. Line selection for excellency and recommended for reclaimed acidic soils for soil improvement. Early flowering; matures in 60 days.

295942. *LESPEDEZA* sp.

R-148. Line selection; late flowering, matures in 50 days. Good hay producer on upland fields.

295943. *LESPEDEZA STIPULACEA* Maxim.

'R-Chungbuk'. Line selection; late flowering, matures in 50 days. Good hay producer on upland fields.

295944. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

From Australia. Seeds presented by H. Lyne, Northam, Western Australia. Received Feb. 24, 1964.

'Surprise'. Rock melon. Fruit round, highly flavored.

295945. *GLYCINE JAVANICA* L. Leguminosae.

From Brazil. Seeds presented by the United States Regional Soybean Laboratory, Urbana, Ill. Received Feb. 24, 1964.

Agronomy Institute, Campinas, Sao Paulo. Used as a perennial forage crop.

295946 to 295952. *GLYCINE JAVANICA* L.

From the Union of Soviet Socialist Republics. Seeds presented by the United States Regional Soybean Laboratory, Urbana, Ill. Received Feb. 24, 1964.

From the Amur River Region, Siberia, approximately 50° N. latitude, via East Germany.

295946. 'Amurskaja 42'. Amur Station for Agricultural Research near Blagowestschensk. Seed variety.

295947. 'Amurskaja 57'. Variety for green food (fodder?).

295948. 'Amurskaja 262'. Variety for green food (fodder?).

295949. 'Amurskaja 266'. Variety for green food (fodder?).

295950. 'Jubilee'. Midearly variety.

295951. 'Record North'. Grown near Seja, north Amur region.

295952. 'Salut 216'. Midearly variety.

295953 to 295968.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received Feb. 25, 1964.

295953 to 295955. *AVENA SATIVA* L. Gramineae. **Common oats.**

295953. RC 346.

295953 to 295968—Continued**295953 to 295955—Continued**

295954. RM 8-8.

295955. RR 180.

295956 to 295961. HORDEUM VULGARE L. Gramineae.

295956. BT Hazera 127/1. 295959. 'Israeli 264'.

295957. 'Israeli 49'. 295960. NB 5.

295958. 'Israeli 121'. 295961. 'Omer'.

295962 to 295964. TRITICUM AESTIVUM L. Gramineae. Common wheat.

295962. FA 8193.

295963. W 4-242.

295964. W 8 1992.

295965 to 295968. TRITICUM DURUM Desf. Durum wheat.

295965. 'Etith 38'. 295967. 'Nursit 163'.

295966. 'Neveh Yaar 51'. 295968. 'Zenati' × 'Bouteille'.

295969 to 295989. ARACHIS HYPOGAEA L. Leguminosae.

From Nigeria. Seeds presented by the United States Agency for International Development, Lagos. Received Feb. 25, 1964.

No. 706 is susceptible to rosette virus but high yielding. Nos. 715-733 tolerate rosette virus.

295969. No. 706. 295980. No. 726.

295970. No. 715. 295981. No. 727.

295971. No. 716. 295982. No. 729.

295972. No. 717. 295983. No. 730.

295973. No. 718. 295984. No. 731.

295974. No. 720. 295985. No. 732.

295975. No. 721. 295986. No. 733.

295976. No. 722. 295987. 'Chimbwila'.

295977. No. 723. 295988. 'Local BOI'.

295978. No. 724. 295989. 'Mwitude'.

295979. No. 725.

295990. FLACOURTIA JANGOMAS (Lour.) Gmel. ex Steud. Flacourtiaceae. Paniala.

From the United States. Plant growing at the U.S. Plant Introduction Station, Miami, Fla. Numbered Feb. 25, 1964.

P.I.M. 13595. Seeds received from a nursery, Homestead, Fla., March 1953. Plant native to tropical Asia.

295991 to 295999.

From the Netherlands. Seeds presented by the Institute of Agricultural Plant Breeding, Wageningen. Received Feb. 25, 1964.

295991 to 295998. TRITICUM AESTIVUM L. Gramineae. Common wheat.

295991. 'Balaganka'. A selection from 'Irkoetsk'. Spring wheat.

295992. 'Felix'. ('Tassilo' × 'Carsten') × ('Carsten' × 'Marquillo'). Winter wheat.

295991 to 295999—Continued**295991 to 295998—Continued**

295993. 'Mendel'. 'Trifolium' × 'Weibull's Iduna' ('Trifolium' selection from Dutch 'Wilhelmina'). Winter wheat.

295994. 'Mus XII/80/222'. From Egypt. Winter wheat.

295995. 'Nowinka'. ('Ladoga' × 'Red Fife') × 'Prelude'. Spring wheat.

295996. 'Olympia'. Selection from a Finnish variety. Winter wheat.

295997. 'Plantahof'. Selection from Swiss 'Bundner Landweizen'. Winter wheat.

295998. 'Yeomen II'. Same parentage as 'Yeoman'. Winter wheat.

295999. TRITICUM × SECALE

'Riebesel 47/51'. Selection from hybrid by German breeder, Riebesel. Winter wheat.

296000 to 296009.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Feb. 25, 1964.

296000. ANDROPOGON sp. Gramineae.

No. A-95.

296001. MELINIS MINUTIFLORA Beauv. Gramineae. Molassesgrass.

No. A-30.

296002. PANICUM MAXIMUM Jacq. Gramineae. Guineagrass.

No. A-27.

296003. PANICUM MAXIMUM var. TRICHOGLUME Eyles Green panicgrass.

No. A-49.

296004. PASPALUM DILATATUM Poir. Gramineae. Dallisgrass.

No. A-5.

296005 and 296006. PASPALUM NOTATUM Fluegge Bahiagrass.

296005. No. A-44.

296006. No. A-156.

296007 and 296008. SETARIA SPHACELATA (Schum.) Etapf & Hubbard. Millet.

296007. No. A-88.

296008. No. A-135.

296009. UROCHLOA MOSAMBICENSIS (Hack.) Dandy. Gramineae.

No. A-130.

296010 to 296031.

From Japan. Seeds presented by the Forest Experiment Station, Meguro, Tokyo. Received Feb. 25, 1964.

296010. ACER RUFINERVE Sieb. & Zucc. Aceraceae. Redvein maple.

Shiroishi, Miyagi Prefecture, Northern Honshu.

296011. ALNUS HIRSUTA Turcz. var. HIRSUTA Betulaceae. Manchurian alder.

Ohma, Shimokita Peninsula, Aomori Pref., Northern Honshu.

296012 and 296013. ALNUS HIRSUTA var. TINCTORIA Kudo

296012. Miumaya, Tsugaru Peninsula, Aomori Pref., Northern Honshu.

296013. Mt. Hakkoda, Aomori Pref., Northern Honshu.

296010 to 296031—Continued

296014. *ALNUS JAPONICA* var. *ARGUTA* Callier
Osoreyama Lake, Shimokita Peninsula, Aomori Pref., Northern Honshu.
296015. *ALNUS INOKUMAI* Murai & Kusaka in Murai
Noheji, Aomori Pref., Northern Honshu.
- 296016 and 296017. *BETULA ERMANNII* Champ. Betulaceae.
296016. Mt. Hachimantai, Akita Pref., Northern Honshu.
296017. Tsubetu, Kitami, Hokkaido.
296018. *BETULA GROSSA* Sieb. & Zucc.
Shiiba, Miyasaki Pref., Kiusiu.
296019. *BETULA TATEWAKIANA* Ohki & Watanabe
Sarabetsu, Obihiro, Hokkaido.
296020. *ILEX MONTANA* var. *MACROPODA* (Miq.) Fernald Aquifoliaceae.
Kruosawajiri, Iwate Pref., Northern Honshu.
296021. *LINDERA MEMBRANACEA* Maxim. Lauraceae.
Fukaura, Aomori Pref., Northern Honshu.
296022. *MAGNOLIA KOBUS* var. *BOREALIS* Sargent Magnoliaceae.
Noheji, Aomori Pref., Northern Honshu.
296023. *PARABENZOIN PARECOX* Nakai Lauraceae.
Kurosawajiri, Iwate Pref., Northern Honshu.
296024. *PRUNUS SSIORI* Schmidt Rosaceae.
Fukaura, Aomori Pref., Northern Honshu.
296025. *SORBUS COMMIXTA* Hedl. Rosaceae. Japanese mountain-ash.
Mt. Fubo, Miyagi Pref., Northern Honshu.
296026. *STACHYURUS PRAECOX* Sieb. & Zucc. Stachyuraceae.
Fukaura, Aomori Pref., Northern Honshu.
296027. *SYMPLOCOS CHINENSIS* Koidzumi Symplocaceae.
Mt. Iwate, Iwate Pref., Northern Honshu.
296028. *VIBURNUM DILATATUM* Thunb. Caprifoliaceae. Linden viburnum.
Mt. Iwate, Iwate Pref., Northern Honshu.
296029. *VIBURNUM SARGENTII* Koehne Sargent cranberrybush.
Noheji, Aomori Pref., Northern Honshu.
296030. *WEIGELA HORTENSIS* (Sieb. & Zucc.) C. A. Meyer Caprifoliaceae.
Fukaura, Aomori Pref., Northern Honshu.
296031. *ZANTHOXYLUM PIPERITUM* (L.) DC. Rutaceae. Japanese prickly-ash.
Noheji, Aomori Pref., Northern Honshu.
- 296032 to 296036. *DIOSPYROS KAKI* L. Ebenaceae. Kaki persimmon.

From Korea. Scions presented by Kwany Yun Lee, Horticultural Experiment Station, Suwon. Received Feb. 25, 1964.

296032. 'Chung Do'. 296035. 'Kyung San Ban'.
296033. 'Dan Sung'. 296036. 'SA Cock'.
296034. 'Ko Chong'.

296037 to 296041.

From Israel. Seeds obtained from the National & University Institute of Agriculture, Beit-Dagan, under Public Law 480. Received Feb. 26, 1964.

296037. *BRASSICA HIRTA* Moench. Cruciferae. White mustard.

No. 42073. Col. No. 21-51. Annual to 3 feet high.

296038. *CARRICHTERA VELLA* DC. Cruciferae.

No. 42072. Col. No. 46-50. Annual to 2 feet high.

296039. *CEPHALARIA JOPPICA* Beguinot Dipsacaceae.

No. 42996. Col. No. 66-50. Annual to 3 feet high.

296040. *GLAUCIUM ARABICUM* Fresen. Papaveraceae.

No. 42045. Col. No. 84-50. Annual.

296041. *TRIGONELLA ARABICA* Delile Leguminosae.

No. 42095. Col. No. 29-51. Annual to 3 feet high.

296042 and 296043.

From Great Britain. Seeds purchased from Thompson & Morgan, Ipswich, England. Received Feb. 26, 1964.

296042. *EUPHORBIA LATHYRUS* L. Euphorbiaceae. Caper spurge.

No. 40607. Native to Europe. Annual to 3 feet high.

296043. *IBERIS UMBELLATA* L. Cruciferae.

No. 40611. Native to southern Europe. Annual to 2 feet high.

296044 to 296056.

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 26, 1964.

296044. *AESCHYNOMENE SCABRA* G. Don Leguminosae.

Col. No. B-1708. Disturbed field 3 miles southeast of Tepic, Nayarit, Highway 15. Plants abundant, erect annual to 9 feet high; flowers yellow.

296045. *CALEA URTICAEFOLIA* DC. Compositae.

Col. No. G-19520. Between Pochotilan and Francisco Madero, Nayarit. Elevation 3,000 feet. Leafy perennial or biennial to 3 feet high; flowers yellow.

296046. *CROTALARIA ERIOCARPA* Benth. Leguminosae.

Col. No. B-1709. Highway 54, 9 miles east of San Blas, Nayarit. Elevation 400 feet. Erect annual to 9 feet high, branching in upper third; flowers yellow.

296047. *CROTALARIA INCANA* L.

Col. No. B-1686. Highway 190, 1 mile south of Atlixco Puebla. Elevation 6,171 feet. Erect annual herb to 5 feet high, branching from base when widely spaced or only upper third when crowded; flowers yellow; fruit abundant.

296048. *CROTALARIA INCANA* L.

Col. No. B-1688. Roadsides outside of Oaxaca city. Elevation 5,200 feet. Erect annual to 5 feet high; flowers yellow.

296049 and 296050. *DALEA LEPORINA* (Ait.) Bullock. Leguminosae.

296049. Col. No. B-1685. Along toll road between Puebla and Mexico D.F. Elevation 7,000 feet. Erect annual to 5 feet high; flowers bluish purple.

296044 to 296056—Continued**296049 and 296050—Continued**

296050. Col. No. B-1707. Highway 15, 13 miles southeast of Tepic, Nayarit. Erect annual herb to 6 feet high, branching in upper third when crowded; flowers blue.

296051. DALEA VERNICA Greenman

Col. No. B-1696. Roadside 30 miles northeast of Apatzingan, Michoacan. Erect annual to 5 feet high; stems straight, branching in upper third; flowers purple.

296052. DESMANTHUS INTERIOR (Britton & Rose) Bullock Leguminosae.

Col. No. B-1712. Highway 15, 2 miles south of Culiacan, Sinaloa. Short-lived perennial herb to 12 feet high.

296053. DESMODIUM NICARAGUENSE Oerst. ex Benth. & Oerst. Leguminosae.

Col. No. B-1691. Seven miles northeast of Oaxaca, road to Ixtlan de Juarez, Oaxaca. Elevation 5,700 feet. Plant virgate, woody-stemmed perennial to 10 feet high; flowers blue.

296054. INDIGOFERA SUFFRUTICOSA Mill. Leguminosae. **Anil indigo.**

Col. No. B-1717. Roadside, Alamos, Sonora. Shrub to 6 feet high; branches ascending; flowers pinkish.

296055. SESBANIA EXALTATA (Raf.) Rydb. Leguminosae.

Col. No. B-1705. Highway 15, 15 miles southeast of Tepic, Nayarit. Erect annual herb to 10 feet high; flowers yellow.

296056. TAGETES LUCIDA Cav. Compositae.

Col. No. G-18078. Aqua Amarilla, 7 miles west of Chinatu, Chihuahua. Elevation 7,800 feet. Aromatic perennial herb to 1.5 feet high.

296057 and 296058.

From Pakistan. Seeds obtained from the Gordon College, Rawalpindi, under Public Law 480. Received Feb. 26, 1964.

296057. DUCROSIA ANETHIFOLIA Boiss. Umbelliferae.

No. 42845. Col. No. 493. Biennial to 2 feet high.

296058. TRICHOSANTHES CUCUMERINA L. Cucurbitaceae.

No. 43130. Col. No. 1501. Annual vine.

296059. PEUCEDANUM CAPENSE Sond. Umbelliferae.

From the Republic of South Africa. Seeds collected by A. S. Barclay, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 26, 1964.

Col. No. B-939. Roadside fields 13.5 miles northwest of Plattenberg, road to Uniondale. Shrubby perennial to 6 feet high; flowers yellow.

296060 to 296066.

From Spain. Seeds obtained from the Instituto Nacional de Investigaciones Agronomicas, Madrid, under Public Law 480. Received Feb. 26, 1964.

296060. ARCTIUM LAPPAL L. Compositae. **Great burdock.**

No. 43059. Biennial grown as an annual, to 8 feet high.

296061. BRASSICA HIRTA Moench. Cruciferae. **White mustard.**

No. 43862. Annual to 4 feet high.

296062. BRASSICA SINAPISTRUM Boiss.

No. 43075. Annual to 3 feet high.

296060 to 296066—Continued

- 296063.** *BRASSICA TOURNEFORTII* Gouan
No. 43079. Annual to 3 feet high.
- 296064.** *EUPHORBIA LAGASCAE* Spreng. Euphorbiaceae.
No. 43571. Annual to 3 feet high.
- 296065.** *MALCOMIA AFRICANA* (Willd.) Ait. Cruciferae.
No. 43074. Annual to 2 feet high.
- 296066.** *TRIGONELLA GLADIATA* Stev. ex Fischer Leguminosae.
No. 43067. Biennial to 3 feet high.

296067 to 296073.

From Turkey. Seeds obtained from the University of Ankara, Ankara, under Public Law 480. Received Feb. 26, 1964.

- 296067 and 296068.** *ASTRANTIA MACROLEMA* Boiss. Umbelliferae.
296067. No. 42180. Col. No. 144. Annual to 3 feet high.
296068. No. 43458. Col. No. 144. Annual to 3 feet high.
- 296069.** *BUPLEURUM CROCEUM* Fenzl Umbelliferae.
No. 42168. Col. No. 212. Annual to 2 feet high.
- 296070.** *CEPHALARIA SETOSA* Boiss. & Hohen Dipsacaceae.
No. 41749. Col. No. 470. Annual to 3 feet high.
- 296071.** *CREPIS FOETIDA* L. Compositae.
No. 43478. Col. No. 895. Annual to 2 feet high.
- 296072.** *HELIOTROPIMUM EUROPEAUM* Linn. Boraginaceae.
No. 41352. Annual to 2.5 feet high.
- 296073.** *LITHOSPERMUM APULUM* Vahl Boraginaceae.
No. 43494. Col. No. 28. Annual to 2 feet high.

296074 and 296075.

From the United States. Seeds collected by A. S. Barclay and E. E. Terrell, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 26, 1964.

- 296074.** *LAPPULA REDOWSKII* Greene. Boraginaceae.
Col. No. B-824. Lower levels of Palo Duro Canyon State Park, Randall County, Tex. Erect annual herb to 2 feet high; flowers white.
- 296075.** *LEAVENWORTHIA TORULOSA* A. Gray Cruciferae.
Col. No. T-3711. Cornfield, 10 miles northwest of Lewisburg, Maury County, Tenn. Winter annual to 2 feet high.

296076 and 296077.

From the United States. Seeds purchased from H. E. Saier, Dimondale, Mich. Received Feb. 26, 1964.

- 296076.** *BORAGO OFFICINALIS* L. Boraginaceae.
No. 17352. Native to Europe. Annual to 2 feet high.
- 296077.** *ECHIUM PLANTAGINEUM* L. Boraginaceae. **Borage.**
No. 40640. Native to Europe, North Africa. Annual or biennial to 3 feet high.

296078. *TEPHROSIA CINEREA* (L.) Pers. Leguminosae.

From Uruguay. Seeds obtained from the Universidad de la Republica, Montevideo, under Public Law 480. Received Feb. 26, 1964.

- No. 43352. Col. No. 3979.

296079. BRASSICA SINAPISTRUM Boiss. Cruciferae.

From Yugoslavia. Seeds obtained from the Univerza v Ljubljani, Ljubjana, under Public Law 480. Received Feb. 26, 1964.

No. 43741. Col. No. 201. Annual to 3 feet high.

296080 and 296081.

From source unknown. Seeds obtained by Q. Jones, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 26, 1964.

296080. CASSIA HIRSUTA L. Leguminosae.

No. 40667. SCS, Florida. Annual.

296081. CASSIA JAVANICA L.

No. 40669. Native to Malaya. Perennial.

296082 and 296083. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Peru. Tubers collected by R. L. Plaisted, Cornell University, Ithaca, N. Y. Received Feb. 27, 1964.

From the Servicio de Investigacion y Promocion Agraria, Lima.

296082. 'Mantaro'.

296083. 'Renacimiento'.

296084 to 296095. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Colombia. Tubers collected by R. L. Plaisted, Cornell University, Ithaca, N. Y. Received Feb. 27, 1964.

From the Colombian Agricultural Program, Rockefeller Foundation, Bogota.

296084. CCC 60-'Tocana blanca'.

296085. CCC 61-'Tuquerrena negra'.

296086. CCC 85-'Cajica'.

296087. CCC 107-'Leona'.

296088. CCC 162-'Ecuadoriana'.

296089. CCC 202-'Curipamba'.

296090. CCC 213-'Rubi'.

296091. CCC 223-'Papa Londres'.

296092. CCC 306-'Argentina'.

296093. CCC 309-'Salentina'.

296094. CCC 405-'Pana blanca'.

296095. CCC 818-'Jabonilla'.

296096 to 296107. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Ecuador. Tubers collected by R. L. Plaisted, Cornell University, Ithaca, N. Y. Received Feb. 27, 1964.

From the Instituto Nacional de Investigaciones Agropecuarias, Quito.

296096. CEP 3. 'Leona Negra'.

296097. CEP 9. 'Leona Blanca'.

296098. CEP 10B 'Tacanguilla'.

296099. CEP 11. 'Calvache'.

296100. CEP 17. 'Jardinera'.

296101. CEP 20. 'Tulca'.

296096 to 296107—Continued

296102. CEP 27. 'Pan'.
 296103. CEP 32. 'Leona Blanca'.
 296104. CEP 45. 'Chola'.
 296105. CEP 204. 'Bastidas No. 1'.
 296106. CEP 351. 'Mala Noche Amarilla'.
 296107. CEP 360. 'Mampuera'.

296108. PRUNUS PERSICA (L.) Batsch Rosaceae. Peach.

From New Zealand. Scions presented by the Horticulture Division, Department of Agriculture, Hastings. Received Feb. 27, 1964.

'Golden Queen Improved'.

296109. ILEX FARGESII Franch. Aquifoliaceae.

From Great Britain. Cuttings presented by the Royal Botanic Garden, Edinburgh, Scotland. Received Feb. 27, 1964.

(Female).

296110. PINUS HALEPENSIS var. PITYUSA (Stev.) Gordon Pinaceae.

From the Union of Soviet Socialist Republics. Seeds presented by the U.S. Embassy, Moscow. Received Feb. 27, 1964.

Wooded cape, Pitsunda, 35 miles west northwest of Sukhumi, Georgia, S.S.R.

296111. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From the Netherlands. Tubers presented by Wolf & Wolf, Amsterdam. Received Feb. 28, 1964.

'Bintje'.

296112 and 296113. CITRUS JAMBHIRI Lush. Rutaceae.

From India. Seeds presented by Mr. Harbhajan Singh, Head, Div., of Plant Introduction, IARI, Ministry of Food & Agriculture, New Delhi. Received Mar. 3, 1964.

296112. Yellow.

296113. Brown.

296114 and 296115.

From the Republic of South Africa. Bulbs presented by the Department of Agricultural Technical Services, Pretoria. Received Mar. 4, 1964.

296114. HAEMANTHUS MAGNIFICUS Herb. Amaryllidaceae. Bloodlily.

296115. VELLOZIA RETINERVIS Baker Amaryllidaceae.

296116. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.

From the Philippines. Tubers presented by University of the Philippines, College of Agriculture, Laguna. Received Mar. 4, 1964.

BNAS 51. Reported to mature in 55 days after cuttings are field planted.

296117. SACCHARUM (hybrid). Gramineae. Sugarcane.

From the Republic of South Africa. Cuttings presented by the South African Sugar Association, Natal. Received Mar. 4, 1964.

296118 to 296121.

From the United Arab Republic (Egypt). Seeds presented by the Irrigation Department, Department of Agriculture, via the United States Embassy, Cairo. Received Mar. 6, 1964.

296118 and 296119. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**

296118. 'Honey Dew'.

296119. No varietal name given.

296120 and 296121. CUCUMIS SATIVUS L. Cucurbitaceae. **Cucumber.**

296120. Fruits long.

296121. Fruits short, thick.

296122. RHODODENDRON TSCHONOSKII Maxim. Ericaceae.
Tschonoskii azalea.

From the United States. Plant growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Mar. 6, 1964.

B-53248. From the Arnold Arboretum, April, 1960.

296123 to 296128.

From Germany. Seeds presented by the Max Planck Institut fur Zuchtungs-forschung, Vogelsang. Numbered Mar. 6, 1964.

296123. SOLANUM BUKASOVII Juz. Solanaceae.

R 58.1052. EBS 1902. $2n=24$, Huaychulo, near Huancayo, Peru. Elevation 3,300 meters.

296124. SOLANUM MEDIANS Bitt.

R 58.1069. EBS 1919. Peru.

296125. SOLANUM MULTI-INTERRUPTUM Bitter

R 58.1059. EBS 1909. $2n=24$. Dept. Ancash, Rio Fortaleza. Caljacay, Peru. Elevation 2,500 meters.

296126. SOLANUM RAPHANIFOLIUM Cardenas & Hawkes.

R 58.1031. EBS 1881. Cuzco, Sacsahuaman, Peru. Elevation 3,520 meters.

296127. SOLANUM SPARSIPILUM (Bitter) Juz. & Buk.

R 58.1004. EBS 1854. $2n=24$. La Paz city, Bolivia.

296128. SOLANUM SUCRENSE Hawkes.

R 58.1075. EBS 1849. Between Sucre and Zudanez, Bolivia. Elevation 2,750 meters.

296129 to 296137.

From the United States. Selections made at the United States Regional Plant Introduction Station, Geneva, N. Y. Numbered Mar. 6, 1964.

296129. BETA VULGARIS L. Chenopodiaceae. **Common beet.**

G-10528-B. Selection from P.I. 263865 from Greece. Plant medium vigor, 21 inches high, 30 inches wide; petioles purple; roots red globe 3.25 by 4 inches; flesh red and white, medium zoning.

296130. BRASSICA OLERACEA var. BOTRYTIS L. Cruciferae. **Cauliflower.**

Disease-resistant selection rated on a 0-5 scale, 0 is disease free, 5 is severely diseased.

G-4468-S. Selection from P.I. 226504 from Iran. Plants vigorous, to 24 inches high and 48 inches wide, no summer or fall bolting, very late curding; curds 3 inches. Alternaria leaf spot 4.0; downy mildew 5.0; turnip mosaic 2.2; cauliflower mosaic 0.6.

296129 to 296137—Continued

296131 to 296137. *BRASSICA OLERACEA* var. *CAPITATA* L. **Cabbage.**

Disease resistant selections rated on a 0-5 scale. "0" is disease free, "5" is severely diseased.

296131. G-1552-S. Selection from P.I. 205992 from Sweden. Plants very vigorous, to 12 inches high and 21 inches wide, early heading; head solid globe to 5 inches diameter, medium quality. Selected for downy mildew resistance. Inoculated plants were mildew free in greenhouse.

296132. G-1553-S. Selection from P.I. 205993 from Sweden. Plants very vigorous, to 12 inches high and 24 inches wide, very early heading; head solid globe to 5 by 6 inches, medium quality. Selected for downy mildew resistance. Inoculated plants were mildew free in greenhouse.

296133. G-1554-S. Selection from P.I. 205994, from Sweden, for downy mildew resistance. Plants vigorous, to 12 inches high and 21 inches wide, midseason-late maturing, Marion market type; head solid globe, to 7 inches in diameter, medium quality.

296134. G-5142-S. Selection from P.I. 222237 from Iran. Plants very vigorous to 18 inches high and 38 inches wide, late heading; head loose, flat globe 5 by 9 inches; leaves large, much bloom. Downy mildew 2.2, turnip mosaic 2.4, cauliflower mosaic 2.8.

296135. G-5145-S. Selection from P.I. 225856 from Denmark. Plants medium vigor, to 10 inches high and 21 inches wide, very early heading; head solid globe, to 7.5 inches diameter; leaf small. *Alternaria* leaf spot 3.6, downy mildew 4.0, cauliflower mosaic 2.8.

296136. G-5148-S. Selection from P.I. 225859 from Denmark. Plants vigorous, to 11 inches high and 29 inches wide, very early heading; heads loose globe 8 by 10 inches. *Alternaria* leaf spot 3.6, downy mildew 3.2, turnip mosaic 3.6, and cauliflower mosaic 0.0.

296137. G-5150-S. Selection from P.I. 225861 from Denmark. Plants excellent vigor, to 12 inches high and 31 inches wide, very early heading; head loose, pointed, 9 by 8 inches; leaves wavy margined. *Alternaria* leaf spot 3.4, downy mildew 4.0, turnip mosaic 2.6, cauliflower mosaic 0.8.

296138 and 296139.

From the United States. Seeds collected in Colorado by G. Viehmeyer, University of Nebraska, Lincoln. Numbered Mar. 6, 1964.

296138. *PENSTEMON STRICTUS* Benth. Scrophulariaceae.

Col. No. V63-194. Roadside, Old Monarch Pass, west of Continental Divide, 5 miles north of U.S. Highway 50. Plant slender, to 30 inches high; flowers dark blue, on strict spikes.

296139. *PENSTEMON WATSONII* A. Gray Scrophulariaceae.

Col. No. V63-223. Among *Amelanchier* along Cottonwood Pass Road, southwest of Gypsum. Plants mat forming, "mint-flowered," with 10-15 flowering stems; flowers 0.625 inches long, dark blue.

296140 to 296203.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Mar. 6, 1964.

296140 to 296142. *AVENA BYZANTINA* Koch. Gramineae.

296140. No. 9953. 'Byzantina 602'. Azerbaijan.

296141. No. 9954. 'Byzantina 956'. Azerbaijan.

296142. No. 9992. 'Byzantina 11'. Uzbekistan.

296143 to 296149. *AVENA SATIVA* L.

Common oats.

296143. No. 3466. 'Juleilejnyj'. The Ukraine.

296140 to 296203—Continued**296143 to 296149—Continued**

296144. No. 3949. 'Juleilejnyj 507'. Poltava region, the Ukraine.
 296145. No. 4718. 'Nemercanskij Samyj Rannij'. The Ukraine.
 296146. No. 5103. Local. Crimea.
 296147. No. 7237. 'Verhniacskij 53'. The Ukraine.
 296148. No. 7967. 'Verhniacskij 41'. The Ukraine.
 296149. No. 8260. 'Hasan'.

296150 to 296153. AVENA SATIVA var. ARISTATA Schlecht.

296150. No. 4071. Local. Crimea.
 296151. No. 5094. Local. Crimea.
 296152. No. 5096. Local. Crimea.
 296153. No. 8257. 'Sovetskij'. The Ukraine.

296154. AVENA SATIVA var. GRISEA Koern. & Wern.

No. 3727. The Ukraine.

296155 to 296181. AVENA SATIVA var. MUTICA Schlecht.

296155. No. 3712. Odessa region.
 296156. No. 3713. Local. Kherson region.
 296157. No. 3715. Local. Nikolaev region.
 296158. No. 3717. Local. Kherson region.
 296159. No. 3722. Local. Kherson region.
 296160. No. 3726. Local. Poltava region, the Ukraine.
 296161. No. 3728. Local. Odessa region.
 296162. No. 3731. Odessa region.
 296163. No. 3960. Crimea.
 296164. No. 4056/1. Crimea.
 296165. No. 4062. Crimea.
 296166. No. 4069/1. Crimea region, the Ukraine.
 296167. No. 4088. Crimea.
 296168. No. 4885. The Ukraine.
 296169. No. 4891/1. Odessa region.
 296170. No. 4894/1. The Ukraine.
 296171. No. 4901. Zhitomir region, the Ukraine.
 296172. No. 6809. 'Verhniacskij 54'. The Ukraine.
 296173. No. 8077. 'Krymskij 75'. Crimea.
 296174. No. 8770. 'Krymskij 90'. Crimea.
 296175. No. 10572. Local. Moldavia.
 296176. No. 10585. Local. Moldavia.
 296177. No. 10602. Local. Moldavia.
 296178. No. 10623. Local. Moldavia.
 296179. No. 10790. 'Lgovsnij 1026'. Kursk region.
 296180. No. 10854. 'Artemovskij 1'. The Ukraine.
 296181. No. 11222. 'Artemovskij 107'. The Ukraine.

296140 to 296203—Continued

- 296182 and 296183. *AVENA STRIGOSA* Schreb Lopsided oats.
 296182. No. 2168. A-14. Lithuania.
 296183. No. 4884. Kiev region, the Ukraine.
296184. *HORDEUM* (hybrid). Gramineae.
 No. 18852. *H. distichon* var. *nudum* × *H. vulgare* var. *coeleste*. Local.
 Ethiopia. Relatively resistant to stem rust.
- 296185 to 296188. *HORDEUM DISTICHON* L. Two-rowed barley.
 Relatively resistant to stem rust.
 296185. No. 11309. Local. Arabia.
 296186. No. 18827. Local. Ethiopia.
 296187. No. 4814. Local. Krasnojarsk.
 296188. No. 18069. 'Narodnyj 9'. Krasnodar Territory.
 Relatively resistant to *Helminthosporium*.
- 296189 to 296191. *HORDEUM DISTICHON* var. *PALMELLA* Harlan. Two-rowed barley.
 Relatively resistant to *Helminthosporium*.
 296189. No. 18265. 'Bao-San-Er-Lin'. East China.
 296190. No. 18843. Local. Ethiopia.
 296191. No. 19168. Kr × Kn. Czechoslovakia.
- 296192 to 296203. *HORDEUM VULGARE* var. *PALLIDUM* Seringe. Six-rowed barley.
 296192. No. 3136. Local. Tajikistan. Relatively resistant to stem rust.
 296193. No. 4997. Local. Primorsk Territory.
 Relatively resistant to *Helminthosporium*.
 296194. No. 5291. Local. Primorsk Territory.
 Relatively resistant to *Helminthosporium*.
 296195. No. 6166. Local. Northern Caucasus.
 Relatively resistant to stem rust.
 296196. No. 7735. Local. Turkey. Relatively resistant to stem rust.
 296197. No. 12833. Local. Karakhstan. Relatively resistant to stem
 rust.
 296198. No. 13031. 'Kruglik 21'. Krasnodar Territory. Winter hardy.
 296199. No. 13312. 'Krasnyj Dar'. Krasnodar Territory. Winter hardy.
 296200. No. 16947. 'Krasnodarskij 1918'. Krasnodar Territory. Win-
 ter hardy.
 296201. No. 16948. 'Krasnodarskij 2929'. Krasnodar Territory. Win-
 ter hardy.
 296202. No. 18469. 'Odessnij 17'. Odessa region. Winter hardy.
 296203. No. 19289. 'Pallidum 48'. Lvov region. Winter hardy.
- 296204 to 296208. *CORYLUS AVELLANA* L. Betulaceae. Filbert.
 From Italy. Scions presented by Ispettorato Provinciale Agricoltura Avellino,
 Naples. Received Mar. 9, 1964.
296204. 'Camponica'. 296207. "Tonda di Giffoni".
 296205. 'Ricca di Talanico'. 296208. 'Tonda rossa'.
 296206. 'Tonda bianco'.

296209. BRASSICA OLERACEA var. CAPITATA L. Cruciferae. Cabbage.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, N. Y. Numbered Mar. 9, 1964.

A component of P.I. 181723, *B. oleraceae* var. *gemmifera* from Syria. Cabbage plants uniformity five, habit two, vigor three, to 10 inches high and 23 inches wide, leafiness three, late maturity one; heads flat, 6 inches deep and 10 inches diameter, firm, green, marketable at Geneva, August 1, 1963. Seeds sown March 15, set in field April 22-25. One hundred days from field planting to harvest. Formed four to five baseball size heads under main head and at base late August.

296210 and 296211.

From the Republic of South Africa. Stolons presented by the Division of Plant and Seed Control, Pretoria. Received Mar. 9, 1964.

296210. DIGITARIA cf. DECUMBENS Stent Gramineae.

DL/64/205. Thabazimbe.

296211. PENNISETUM sp. Gramineae.

Plot 223.

296212. CITRUS MEDICA L. Rutaceae. Citron.

From Israel. Seeds presented by the Volcani Institute of Agricultural Research, Rehovot. Received Mar. 11, 1964.

'Etrog'.

296213 to 296276.

From Israel. Seeds collected by H. C. Murphy, Oat Investigations, Agricultural Research Service, Plant Industry Station, Beltsville, Md. Received Mar. 11, 1964.

296213 to 296232. AVENA BARBATA Brot. Gramineae. Slender oats.

All were collected in wild.

296213. No. 7-69. East of Afek, Haifa Bay.

296214. No. 7-73. Kefar Ata, Haifa Bay.

296215. No. 7-74. Shefar'am, lower Galilee.

296216. No. 7-76. Kefar Manda', lower Galilee.

296217. No. 7-77. Rummana, lower Galilee.

296218. No. 7-82. Bet Oren, Mount Carmel.

296219. No. 7-83. Kefar Hasidim, Haifa Bay.

296220. No. 7-84. Kh. Ra's Ali, lower Galilee.

296221. No. 7-88. Sede-Ilan, eastern lower Galilee.

296222. No. 7-89. Lavi, eastern lower Galilee.

296223. No. 7-90. Poriyya (Hospital), eastern lower Galilee.

296224. No. 7-91. Poriyya Illit, eastern lower Galilee.

296225. No. 7-92. Atlit, coast of Carmel.

296226. No. 7-93. Ya'arot Karmel, Mount Carmel.

296227. No. 7-94. Isfiya, Mount Carmel.

296228. No. 7-100. Ramat-Yishay, valley of Esdraelon.

296229. No. 7-102. Migdal Ha'Emeq, lower Galilee.

296230. No. 7-109. Nazerat Illit (Nazareth), lower Galilee.

296231. No. 7-110. Bet-Qeshet, eastern lower Galilee.

296232. No. 7-111. Sharona, eastern lower Galilee.

296213 to 296276—Continued

296233 to 296276. AVENA STERILIS L.

Animated oats.

All were collected in the wild.

296233. No. 6-81. West of Afek, Haifa Bay.
 296234. No. 6-82. East of Afek, Haifa Bay.
 296235. No. 6-86. Deir-Hanna, lower Galilee.
 296236. No. 6-89. Ginnosar, Sea of Galilee.
 296237. No. 6-90. Sha'ar Ha'Aliyya, coast of Carmel.
 296238. No. 6-91. Ahuzza, Mount Carmel.
 296239. No. 6-92. The Refineries, Haifa Bay.
 296240. No. 6-93. Kefar-Ata, Haifa Bay.
 296241. No. 6-97. H. Bor Nishbar, lower Galilee.
 296242. No. 6-100. Bu'eina, lower Galilee.
 296243. No. 6-106. Tirat-Karmel, coast of Carmel.
 296244. No. 6-107. Kefar Gallim, coast of Carmel.
 296245. No. 6-110. Neshar, Haifa Bay.
 296246. No. 6-111. Kefar Hasidim, Haifa Bay.
 296247. No. 6-114. HaSolelim, lower Galilee.
 296248. No. 6-115. Zippori, lower Galilee.
 296249. No. 6-117. Tur'an, lower Galilee.
 296250. No. 6-119. Lavi, eastern lower Galilee.
 296251. No. 6-134. Ramat Yishay, valley of Esdraelon.
 296252. No. 6-145. Nazerat Illit (Nazareth), lower Galilee.

Seeds from individual plant selections, greenhouse propagated and subjected to specific disease studies.

		<i>OCR. race 276</i>	<i>OSR. race 6</i>
296253.	No. 6-81-2.	Susceptible	Susceptible
296254.	No. 6-81-3.	Susceptible	Susceptible
296255.	No. 6-84-5.	Susceptible	Very resistant
296256.	No. 6-89-1.	Susceptible	Susceptible
296257.	No. 6-89-3.	Susceptible	Susceptible
296258.	No. 6-93-1.	Resistant	Susceptible
296259.	No. 6-93-2.	Resistant	Susceptible
296260.	No. 6-93-3.	Resistant	Susceptible
296261.	No. 6-93-4.	Resistant	Susceptible
296262.	No. 6-93-5.	Resistant	Susceptible
296263.	No. 6-101-4.	Susceptible	Resistant
296264.	No. 6-101-5.	Susceptible	Resistant
296265.	No. 6-105-2.	Resistant	Susceptible
296266.	No. 6-105-5.	Very resistant	Moderately resistant
296267.	No. 6-106-2.	Susceptible	Resistant
296268.	No. 6-107-3.	Susceptible	Susceptible
296269.	No. 6-110-1.	Susceptible	Resistant
296270.	No. 6-110-2.	Very resistant	Susceptible

296213 to 296276—Continued**296233 to 296276—Continued**

		<i>OCR. race 276</i>	<i>OCR. race 6</i>
296271.	No. 6-111-3.	Susceptible	Very resistant
296272.	No. 6-115-2.	Resistant	Susceptible
296273.	No. 6-116-4.	Resistant	Susceptible
296274.	No. 6-145-1.	Susceptible	Susceptible
296275.	No. 6-145-3.	Susceptible	Susceptible
296276.	No. 6-145-4.	Susceptible	Susceptible

296277 to 296280. SACCHARUM (hybrids). Gramineae. Sugarcane.

From British Guiana. Cuttings presented by the Bookers Sugar Estates, Limited, Georgetown. Received Mar. 11, 1964.

296277.	DB 5/55.	296279.	DB 136/56.
296278.	DB 85/53.	296280.	D 158/41.

296281 to 296285.

From Ethiopia. Seeds presented by the United States Agency for International Development, Addis Ababa. Received Mar. 12, 1964.

296281. *CARTHAMUS TINCTORIUS* L. Compositae. **Safflower.**
'Aklilou'. Debre-Zeit Agr. Expt. Sta.

296282. *CARTHAMUS* sp.
Debre-Zeit Agr. Expt. Sta.

296283. *CARTHAMUS* sp.
Wild carthamus. Collected near Debre-Zeit. Elevation 6,000 feet. Roadside weed.

296284. *CARTHAMUS* sp.
Wild carthamus. Collected near Asmara. Elevation 7,000 feet. Roadside weed.

296285. *CARTHAMUS* sp.
Wild carthamus. Collected near Asmara. Elevation 7,000 feet. Roadside weed.

296286 to 296293. HELIANTHUS ANNUUS L. Compositae. Sunflower.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Mar. 13, 1964.

- 296286. 'Comet'. Seeds smallish.
- 296287. 'Ella'. Seeds smallish.
- 296288. 'Franslever'. From Russia via France. Seeds black.
- 296289. 'Jupiter'. Seeds black.
- 296290. 'Laan'. Seeds small.
- 296291. 'Pole Star'. Seeds smallish.
- 296292. 'Short Russian'. Seeds black.
- 296293. 'Universal'. Seeds smallish.

296294 to 296313. DIOSPYROS KAKI L. Ebenaceae.**Kaki persimmon.**

From Japan. Budsticks presented by the Horticultural Research Station, Okitsu, Shimizu City. Received Mar. 13, 1964.

296294. 'Aizumishirazu'.	296304. 'Jiro'.
296295. 'Amahyakume'.	296305. 'Koshuhyakume'.
296296. 'Dojohachiya'.	296306. 'Matsumoto-wasefuyu'.
296297. 'Fuyu'.	296307. 'Okugosho'.
296298. 'Griombo'.	296308. 'Saijo'.
296299. 'Groscho'.	296309. 'Shogatsu'.
296300. 'Hagakushi'.	296310. 'Yamatohyakume'.
296301. 'Hanagosho'.	296311. 'Yokono'.
296302. 'Hiraranenashi'.	296312. 'Yotsumizo'.
296303. 'Ichiki-Jiro'.	296313. 'Zenjimarū'.

296314. TRITICUM VAVILOVII var. VANEUM Jakub. Gramineae.

From the Union of Soviet Socialist Republic. Seeds presented by B. C. Jenkins, Winnipeg, Canada. Received Mar. 17, 1964.

From Leningrad.

296315 and 296316. RIBES sp. Saxifragaceae.

From Denmark. Scions presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received Mar. 17, 1964.

Large-fruited and heavy-bearing gooseberries. Berries oval, greenish yellow with reddish cheek or entirely red, size of 'Reine Claude' plums.

296315. 'Achilles'.

296316. 'Whinhan's Industry'.

296317. FRAGARIA (hybrid). Rosaceae.

From Japan. Plants presented by the Morioka Branch, Horticultural Research Station, Ministry of Agriculture and Forestry, Shimokiyagawa, Morioka. Received Mar. 17, 1964.

'Fukuba'.

296318. LOTUS CORNICULATUS L. Leguminosae.**Birdsfoot trefoil.**

From Brazil. Seeds presented by Weillbull do Brazil Limited, Carazinho. Received Mar. 18, 1964.

'Sao Gabriel'. Rio Grande do Sol.

296319. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

From the Philippines. Seeds collected by H. M. Munger, Cornell University, Ithaca. Received from Laguna. Received Mar. 18, 1964.

A mixture of brown and white, kidney- and ovoid-shaped, large and small beans.

296320. VIBURNUM CORYLIFOLIUM Hook. f. & Thoms. Caprifoliaceae.

From the Netherlands. Seeds presented by the Botanic Gardens, Wageningen. Received Mar. 19, 1964.

296321 to 296328.

From Hong Kong. Marcots and grafted plants presented by the Agriculture and Forestry Department, Kowloon. Numbered Mar. 19, 1964.

296321 and 296322. *CLAUSENA LANSIUM* (Lour.) Skeels Rutaceae. **Wampi.**

296321. 'Kai Sum Wampeï'.

296322. 'Sweet Wampeï'.

296323. *EUPHORIA LONGANA* Lam. Sapindaceae. **Longan.**
'Shek Kip'.

296324 to 296328. *LITCHI CHINENSIS* Sonner Sapindaceae. **Lychee.**

296324. 'Hak Yip'. Marcots.

296325. 'Kwei Mei'. Grafted plants.

296326. 'Nor Mei Che'. Grafted plants.

296327. 'Sam Yuet Hung'. Marcots.

296328. 'Wai Chee'. Marcots.

296329. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Pakistan. Tubers presented by the Ayub Agricultural Research Institute, Lyallpur. Numbered Mar. 19, 1964.

U.S.A. 5.

296330 to 296345.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Mar. 19, 1964.

296330 and 296331. *BRASSICA OLERACEA* var. *CAPITATA* L. Cruciferae. **Cabbage.**

296330. DL/64/201. 'Cape Spitz'. An old local cultivar.

296331. DL/64/202. No. 20. Resistant to black rot.

296332. *CITRULLUS* sp. Cucurbitaceae.

DL/64/198. STS 4090. Transvaal. Semiwild edible watermelon; flesh white.

296333. *CITRULLUS* sp.

DL/64/199. STS 4091. Transvaal. Semiwild edible watermelon; flesh red.

296334. *CITRULLUS LANATUS* (Thunb.) Mansf. **Watermelon.**

DL/64/186. Transvaal. Native name "Makatan".

Weed on cultivated land.

296335. *CITRULLUS* sp.

DL/64/187. Natal Museum, Pietermaritzburg.

296336. *CITRULLUS* sp.

DL/64/189. Wild near Kimberly, Northern Cape Province.

Native name "Tsamma."

296337. *CITRULLUS* sp.

DL/64/190. Postmasburg. Native name "Tsamma".

296338. *CITRULLUS* sp.

DL/64/191. Namaqualand. Native name "Tsamma".

Small fruited.

296330 to 296345—Continued

296339. *CITRULLUS LANATUS* (Thunb.) Mansf. Watermelon.
DL/64/192. Kalahari. Native name "Tsamma".
296340. *CITRULLUS* sp.
DL/64/193. Kalahari. Native name "Tsamma".
296341. *CITRULLUS* sp.
DL/64/194. Kalahari. Native name "Tsamma".
296342. *CITRULLUS* sp.
DL/64/195. Kalahari. Native name "Tsamma".
296343. *CITRULLUS* sp.
DL/64/196. Kalahari. Native name "Tsamma".
296344. *CITRULLUS* sp.
DL/64/197. Gordonia, Cape Province. Native name "Tsamma".
296345. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.
DL/64/200. Transvaal. Small fruited. A weed on cultivated land.

296346 to 296359.

From Canada. Seeds presented by the Dominican Aboretum and Botanic Garden, Ottawa. Received Mar. 19, 1964.

296346. *CEANOTHUS AMERICANUS* L. Rhamnaceae. Jersey-tea.
No. 12544. Open shade clearings, Jones Creek, Butternut Bay, 9 miles southwest of Brockville, Leeds County, Ontario. Shrub to 2 feet high.
296347. *CEANOTHUS OVATUS* Desf. Inland Jersey-tea.
No. 12360. Lenark County, 1 mile northeast of Almonte, Ontario.
- 296348 and 296349. *ELAEAGNUS COMMUTATA* Bernh. Elaeagnaceae. Silverberry.
296348. No. 1. Northeast slope, gravelly native pasture, Saskatchewan.
296349. No. 2. Ten miles north of Macklin, Saskatchewan.
- 296350 to 296352. *VIBURNUM ACERIFOLIUM* L. Caprifoliaceae.
296350. No. 1. Hamilton Ontario.
296351. No. 2. Wooded ridge, West Flamboro, Wentworth County, Ontario.
296352. No. 12470. Sandy soil, edge of forest, along Highway 21, 1.5 miles southeast of Port Frank, Bosanquet Township, Lambton County, Ontario. Shrub to 5 feet high.
- 296353 to 296356. *VIBURNUM LENTAGO* L.
296353. No. 1. Hamilton, Ontario.
296354. No. 2. Woods near Dow's Lake, Carleton County, Ottawa.
296355. No. 12493. Along roadside shrubs 2 miles west of Port Colborne, Sugarloaf Point, Welland County, Ontario. Shrub rare in area, to 8 feet high.
296356. No. 12541. Edge of wooded slope, 1 mile north of Mallorytown Landing, Ontario. Shrub to 15 feet high.
- 296357 and 296358. *VIBURNUM RAFINESQUIANUM* Schultes
296357. No. 7371. Shallow limestone soil in open deciduous woods, Champlain Bridge area, Cunningham Island, Ottawa River, Carleton County, Ontario. Shrub to 6 feet high.
296358. No. 12373. Shallow limestone soil, 1 mile northeast of Harwood Plains, March Township, Carleton County, Ontario.

296346 to 296359—Continued

296359. *VIBURNUM TRILOBUM* Marsh.

No. 18177. Low, moist ravine, Willowdale, New York Township, York County, Ontario. Shrub to 6 feet high; fruit red.

296360. *SOLANUM* sp. Solanaceae.

From the United States. Seedlings presented by the Honolulu Botanic Garden, Honolulu, Hawaii. Received Feb. 13, 1964. Numbered Mar. 19, 1964.

HBG No. 63.2805. From Colombia. Along Rio Dagua, El Boqueron, about 6.5 km. below Lobo Gusrro. Elevation 500 meters. Plants very spiny; spines yellow; fruit orange colored, to 5 cm. diameter.

296361 to 296380.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Mar. 23, 1964.

296361. *GALEGA OFFICINALIS* L. Leguminosae. Common goatsrue.

Component of P.I. 289952 from Afghanistan. Vigorous, large, herbaceous legume; leaves pinnately compound. Annual outdoors at Ames, but perennial indoors.

296362 to 296371. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

296362 to 296370. Genetic lines presented by M. Hardin, Geary, Okla.

296362. A-48. 'Smoky Mountain'. Woolly leaf, large red (Wo).

296363. A-49. No. 25. Pedicel jointless; fruit oblong, red; tree; genes (d j RYC).

296364. A-50. No. 33. Pedicels jointless; fruit red; genes (d sp j).

296365. A-51. No. 34. Pedicel jointless; fruit red; genes (j sp u).

296366. A-52. No. 40. Pedicel jointless; wind resistant, tree; genes (d j sp t).

296367. A-53. 'Dura Red'. Fruit heart shaped; genes (d sp c U).

296368. A-54. M × D — 2 ovaed; genes (d sp u).

296369. A-55. Plant low bush; fruit red; genes (sp u).

296370. A-56. Plant summer bearing; fruit pink; genes (Sp U).

296371. A-434. P. A. Young GV-1161. Carries gene (C).

From Tomato Disease Laboratory, Texas A. and M.

296372 and 296373. *MELILOTUS ALBA* Desr. Leguminosae.

White sweetclover.

From Dominion Arboretum and Botanic Garden, Ottawa, Canada.

296372. A-64. C.A.N. 5012. 'Arctic'. Plants erect, uniform, resistant to winter killing, drought and disease.

296373. A-65. C.A.N. 5018. 'Brandon Dwarf'. Plants dwarf, not drought resistant; stems and leaves fine.

296374 and 296375. *MELILOTUS OFFICINALIS* (L.) Lam. Leguminosae.

Yellow sweetclover.

From Dominion Arboretum and Botanic Garden, Ottawa, Canada.

296374. A-67. C.A.N. 5023. 'Aura'. Plants erect, late maturing, very hardy; forage and seed yield high.

296375. A-68. C.A.N. 'Erector'. Plants very winter hardy; forage and seed yield high.

296361 to 296380—Continued

- 296376.** PANICUM MILIACEUM L. Gramineae. **Proso.**
From Dominion Arboretum and Botanic Garden, Ottawa, Canada. A-83.
C.A.N. 5111. 'Crown'. Plants fine stemmed, leafy, early maturing,
high yielding, drought resistant; panicle "effusum" type.
- 296377.** PENNISETUM SPICATUM (L.) Willd. Gramineae. **Pearl millet.**
A-93. From the University of Missouri, Columbia, Missouri, ex in wild,
South Africa.
- 296378.** SETARIA ITALICA (L.) Beauv. Gramineae. **Foxtail millet.**
A-84. C.A.N. 5112. 'Empire'. From Dominion Arboretum and Botanic
Garden, Ottawa, Canada. Plants upright, very leafy.
- 296379.** TRIFOLIUM HYBRIDUM L. Leguminosae. **Alsike clover.**
A-69. C.A.N. 'Alon'. From Dominion Arboretum and Botanic Garden,
Ottawa, Canada. Perennial, hardy in Ottawa; seed yield good. Selected
for resistance to mosaic and mildew.
- 296380.** TRIFOLIUM REPENS L. Leguminosae. **Whiteclover.**
A-73. C.A.N. 5188. 'Pathfinder'. From Dominion Arboretum and Bo-
tanic Garden, Ottawa, Canada. Plants leafy, persistent, medium growth
habit; leaves well marked; seed production good.

296381 to 296394.

From Iran. Seeds presented by the United States Embassy, Tehran. Received
Mar. 23, 1964.

- 296381.** ALLIUM PORRUM L. Liliaceae. **Leek.**
- 296382.** ANETHUM GRAVEOLENS L. Umbelliferae. **Dill.**
- 296383.** BRASSICA RAFA L. Cruciferae. **Turnip.**
- 296384.** CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**
Sharifabad area.
- 296385 and 296386.** CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**
296385. Persian melon from Isfahan.
296386. 'Varamin'.
- 296387.** CUCUMIS SATIVUS L. **Cucumber.**
Shimiran area.
- 296388.** CUCURBITA MOSCHATA Duchesne ex Poir. Cucurbitaceae. **Cushaw.**
- 296389.** LEPIDIUM SATIVUM L. Cruciferae. **Garden cress.**
- 296390 and 296391.** OCIMUM BASILICUM L. Labiatae. **Basil.**
296390. Red basil.
296391. Sweet basil.
- 296392.** SATUREJA HORTENSIS L. Labiatae. **Summer savory.**
- 296393.** SPINACIA OLERACEA L. Chenopodiaceae. **Spinach.**
- 296394.** TRIGONELLA FOENUM-GRÆCUM L. Leguminosae. **Fenugreek.**

296395 to 296416.

From the United States. Softwood cuttings collected from the wild in 1963,
unless otherwise noted. Now growing at the University of Maine, Orono,
Maine. Numbered Mar. 23, 1964.

296395 to 296416—Continued

296395 to 296412. VACCINIUM CORYMBOSUM L. Ericaceae.

Highbush blueberry.

296395. Col. No. DE-Me. 624. Collected in 1962. Windswept height, about 100 feet southeast of fire tower, Mount Pisgah, Monmouth. Bush 3.5 to 4 feet high, 4 feet wide, compact, with trace of winter injury; berries in August good size for wild, average in color, very good in flavor and tender; calyx ragged.
296396. Col. No. DE-Me. 632. Collected in 1962. Edge of high, north-ern-exposed, burned-over, lowbush blueberry field, Celia Bean's farm, Bean's Corner, Farmington (SCS aerial photo DMR 2-110). Plant 3.5 feet high, with trace of winter injury; berry set good.
296397. Col. No. DE-Me. 633. Edge of old pasture with northern exposure, Celia Bean's farm, Bean's Corner, Farmington. Plant 3.5 feet high and 5 feet wide with no winter injury.
296398. Col. No. DE-Me. 634. Near lowbush field, Celia Bean's farm.
296399. Col. No. DE-Me. 635. Sparse birch- and pine-covered semipas-ture with northwest exposure, adjacent to Celia Bean's lowbush blueberry field. Plant 4 feet high and 5 feet wide, with trace of winter injury; berry set good.
296400. Col. No. DE-Me. 636. Sparse birch- and pine-covered semipas-ture with northwest exposure, adjacent to Celia Bean's lowbush blueberry field. Plant 4 feet high and 5 feet wide, with no trace of winter injury.
296401. Col. No. DE-Me. 637. Semiprotected northern exposure, Esty Voter's abandoned farm, Porter Hill, Temple. Elevation about 1,000 feet. Plant old, to 6 feet high and 6 feet wide, infected with witches' broom; terminal winter injury.
296402. Col. No. DE-Me. 638. Semiprotected northern exposure Esty Voter's abandoned farm, Porter Hill, Temple. Elevation about 1,000 feet. Plant old, to 6 feet high and 6 feet wide, infected with witches' broom; terminal winter injury.
296403. Col. No. DE-Me. 639. Semiprotected northern exposure, Esty Voter's abandoned farm, Porter Hill, Temple. Elevation about 1,000 feet. Plant old, to 6 feet high and 6 feet wide, infected with witches' broom; terminal winter injury.
296404. Col. No. DE-Me. 5005. Collected in 1950; plant established at Jonesboro breeding nursery. Collected at Colburn Farm, East Lebanon. Plant 4 feet high and 4 feet wide, bushy; berries fair size, good flavor, dark color. This accession's chief merit is its winter hardiness.
296405. Col. No. DE-Me. 5009. Collected in 1950; plant established at Jonesboro breeding nursery. Collected at Eino Anderson farm, Owls Head. Plant vigorous, to 4.5 feet high and 4.5 feet wide, dense; fruit average in size, color and quality for plant from wild. Its chief merits are wood and fruit-bud hardiness.
296406. Col. No. DE-Me. 6310. Semiprotected northern exposure, Esty Voter's abandoned farm, Porter Hill, Temple. Elevation about 1,000 feet. Plant old, to 6 feet high and 6 feet wide, infected with witches' broom; terminal winter injury.
296407. Col. No. DE-Me. 6312. Shallow upland soil, edge of cultivated field, Stanley Smith farm, Monmouth. Plant 3.5 feet high and 5 feet wide with traces of winter injury. Collected because of vigorous new growth in exposed location.
296408. Col. No. DE-Me. 6313. Shallow upland soil, edge of cultivated field, Stanley Smith farm, Monmouth. Plant 3 feet high and 3 feet wide, new growth vigorous and free from witches' broom; good fruit set on lower branches.

296395 to 296416—Continued**296395 to 296412—Continued**

296409. Col. No. DE-Me. 6314. Shallow upland soil, exposed, cultivated field, Stanley Smith farm, Monmouth. Plant 4.5 feet high and 6 feet wide; trace of winter injury, new growth vigorous; some fruit set.

296410. Col. No. DE-Me. 6316. Severe northwest exposure near old stone wall and trail to fire tower Mount Pisgah, Monmouth. Plant 4 feet high and 4 feet wide, trace of winter injury; new growth vigorous; fruit set fair.

296411. Col. No. DE-Me. 6317. Semiprotected area north side of fire tower trail, Mount Pisgah, Monmouth. Plant 4.5 feet high and 2.5 feet wide, erect; leaves long, lanceolate, set at markedly acute angle; fruit set light.

296412. Col. No. DE-Me. 6318. Semiprotected area north side of fire tower trail, Mount Pisgah, Monmouth. Plant 4 feet high and 4 feet wide; leaves unusually dark green with very acute angles; fruit set good.

296413. VACCINIUM LAMARCKII Camp

Col. No. DE-Me. 6315. Sheltered site, Stanley Smith farm, Monmouth. Plant a spreading lowbush, about 20 feet in diameter with many 12- to 14-inch, nonbranching stems; leaves dark green; fruit set poor. Collected for vigor and foliage color.

296414 and 296415. VACCINIUM MYRTILLOIDES Michx.

296414. Col. No. DE-Me. 631. Exposed, thin soil location, Mount Pisgah, Monmouth. Plant 2 feet high, survived winter well.

296415. Col. No. DE-Me. 6311. North slope overlooking Pebble Beach, North Bay, Moosehead Lake, Kinso Mountain. Plant 2 feet high probably snow protected; smooth-leaved type.

296416. VACCINIUM sp.

Col. No. DE-Me. 6319. In crack of ledge-face, high above ground, in severe northwest exposure, without benefit of snow cover or shrubbery, 100 feet west of Mount Pisgah fire tower. Plant small with only trace of winter injury; fruit set light.

296417. FRAGARIA (hybrid). Rosaceae.

From Canada. Plants presented by the Central Experimental Farm, Ottawa. Received Dec. 5, 1963. Numbered Mar. 24, 1964.

'Redcoat'. Virus index plants.

296418 to 296425.

From the United States. Rooted cuttings presented by the University of California, Davis. Numbered Mar. 24, 1964.

296418. VITIS (hybrid). Vitaceae.

Virus negative grapes.

Davis No. 55-77. Seyve-Villard 20-365. From Madet-Botton, France.

296419 to 296425. VITIS VINIFERA L.

European grape.

Virus negative grapes.

296419. Davis No. 54-106. 'Romania'. From Yugoslavia.

296420. Davis No. 55-12. 'Fernaio Pires'. From Portugal.

296421. Davis No. 55-14. 'Vital'. From Portugal.

296422. Davis No. 55-20. 'Uehara 4'. From S. Uehara, Japan.

296423. Permit 37-2440. 'Merlot'. Clone 8. From Mendoza, Argentina.

296424. Permit 37-2440. 'Merlot'. Clone 11. From Mendoza, Argentina.

296418 to 296425—Continued

296419 to 296425—Continued

296425. Permit 37-2440. 'Merlot'. Clone 12. From Mendoza, Argentina.

296426 to 296451. BETA VULGARIS L. Chenopodiaceae.

Sugar beet.

From countries indicated. Seeds presented by The Great Western Sugar Company, Longmont, Colo., now held at the National Seed Storage Laboratory, Fort Collins, Colo. Numbered Mar. 24, 1964.

<i>P.I. No.</i>	<i>Variety</i>	<i>Source</i>	<i>Year grown</i>	<i>Description</i>
296426.	A 34	Germany	1939	Schreiber SS elite.
296427.	A 97	Sweden	1947	Svalof × 032.
296428.	A 102	Germany	1950	R & G (Kleinwanzleben) Normal 1949.
296429.	A 118	Netherlands	1950	Kuhn R.
296430.	A 141	Netherlands ex France	1951	Otto Dippe.
296431.	A 145	Sweden	1951	(Hilleshog, E 5800).
296432.	A 147	Canada ex Netherlands	1952	Kuhn M-10 ex Canadian Sugar Factories.
296433.	A 149	Denmark	1952	Maribo N.
296434.	A 163	Germany	1952	Kleinwanzleben N.
296435.	A 165	Germany	1952	Kleinwanzleben CR.
296436.	A 200	Hungary	1954	Beta K-91 ex Sopronkorpaes.
296437.	A 201	Hungary	1954	C 242/53 ex Soprankorpaes.
296438.	A 219- 62 R	Germany	1962	Kleinwanzleben E (1955 stock).
296439.	A 220	Germany	1955	Kleinwanzleben N.
296440.	A 221	Germany	1955	Kleinwanzleben CR.
296441.	A 227	Hungary	1957	Saros H 9.
296442.	A 226- 60 L	U.S.S.R.	1960	Romanaskaja 06.
296443.	A 277	Netherlands	1957	Swaaness III.
296444.	A 325	Germany	1960	Kleinwanzleben E ex 60 prod, Germany.
296445.	A 1104- 50	U.S.A.	1950	Globe-shaped, ex Deming, USDA.
296446.	A 1128	U.S.A.	1949	Globe-shaped, ex Deming, USDA.
296447.	A 1140- 52 L	U.S.A.	1952	Fusarium susceptible inbred, ex Tracy line USDA, S.P.
296448.	A 1146- 52 L	Hungary	1952	Nemeth winter best (Mangel) PI 155997, 1946.
296449.	A 1195	Israel	1953	Wild, annual, homogenous.
296450.	A 1253	Denmark	1953	'Red Otofte' × (Mangel)-ex Denmark.
296451.	A 1254	Denmark	1953	'Barres Otofte Nova' × -ex Denmark.

296452. ASPARAGUS WARNECKEI (Eng. ex Hutchinson) Hutchinson Liliaceae.

From Ghana. Seeds presented by the University of Ghana, Legon. Received Mar. 24, 1964.

No. 295.

296453 to 296460.

From Eritrea. Seeds presented by the Max Planck Institut, Koln-Vogelsang, Germany, via the University of California, Davis, Calif. Received Mar. 30, 1964.

296453. HORDEUM DEFICIENS Stent. Gramineae. Deficient barley.

H-2170. Asmara.

296454 and 296455. HORDEUM DEFICIENS var. STEUDELII (Koern.) Harlan

296454. H-2163. Keren.

296455. H-2164. Makalle.

296456. HORDEUM DISTICHON L.

H-2187. Asmara.

296457. HORDEUM DISTICHON var. NIGRESCENS Koernicke

H-2180. Alegua-Pass.

296458. HORDEUM DISTICHON var. PALMELLA Harlan.

H-2178. Antalo.

296459 and 296460. HORDEUM VULGARE L.

296459. H-2213. Senafe.

296460. H-2227. Keren.

296461 to 296534.

From Ethiopia. Seeds presented by the Max Planck Institut, Koln-Vogelsang, Germany, via the University of California, Davis, Calif. Received Mar. 30, 1964.

296461 to 296474. HORDEUM DEFICIENS Stent. Gramineae. Deficient barley.

296461. H-1189. Fehlgerste. 296468. H-2172. Agheresalam.

296462. H-2165. Irba Moda. 296469. H-2173. Edera.

296463. H-2166. Agheres- 296470. H-2175. Ubamer Baco.

mariam. 296471. H-2176. Bulchi Gofa.

296464. H-2167. Irba Moda. 296472. H-2183. Dschiren.

296465. H-2168. Dschiren. 296473. H-2194. Gondar.

296466. H-2169. Dschiren. 296474. H-2473. Schwarze Fehl-

296467. H-2171. UbamerBaco. gerste.

296475 to 296479. HORDEUM DEFICIENS var. DEFICIENS (Steud.) Harlan

296475. H-90. Graue Fehl- 296477. H-890. Gelbe Fehlgerste.

gerste. 296478. H-2161. Diredaua.

296476. H-94. Gelbe Fehl- 296479. H-2162. Agheresalam.

gerste.

296480. HORDEUM DEFICIENS var. STEUDELII (Koern.) Harlan

H-151. Schwarze Fehlgerste.

296461 to 296534—Continued

296481 to 296497. *HORDEUM DISTICHON* L.

296481.	H-1188.	Nacktgerste.	296489.	H-2191.	Ubamer Baco.
296482.	H-2179.	Ubamer	296490.	H-2192.	Addis-Ababa.
	Baco.		296491.	H-2193.	Bulchi Gofa.
296483.	H-2182.	Bulchi Gofa.	296492.	H-2195.	Ubamer Baco.
296484.	H-2184.	Gondar.	296493.	H-2196.	Ubamer Baco.
296485.	H-2186.	Ubamer	296494.	H-2197.	Ubamer Baco.
	Baco.		296495.	H-2232.	Ubamer Baco.
296486.	H-2188.	Diiti bei	296496.	H-2233.	Ubamer Baco.
	Hirna.		296497.	H-2234.	Ubamer Baco.
296487.	H-2189.	Addis-Ababa.			
296488.	H-2190.	Bulchi Gofa.			

296498. *HORDEUM DISTICHON* var. *NIGRICANS* Seringe

H-2181. Ubamer Baco.

296499. *HORDEUM DISTICHON* var. *NUDUM* L.

Two-rowed naked barley.

H-2185. Ubamer Baco.

296500. *HORDEUM DISTICHON* var. *PALMELLA* Harlan.

H-2177. Addis-Ababa.

296501. *HORDEUM INTERMEDIUM* Koern.

H-2208. Addis-Ababa.

296502 to 296523. *HORDEUM VULGARE* L.

296502.	H-2201.	Antiplano.	296513.	H-2218.	Ubamer Baco.
296503.	H-2202.	Addis-Ababa.	296514.	H-2219.	Debra Sina.
296504.	H-2203.	Bedessa.	296515.	H-2220.	Bischam
296505.	H-2206.	Graua.		Harawatscha.	
296506.	H-2209.	Gondar.	296516.	H-2221.	Irgalem Sidamo.
296507.	H-2210.	Addis-Ababa.	296517.	H-2222.	Ubamer Baco.
296508.	H-2211.	Gondar.	296518.	H-2223.	Agheresalam.
296509.	H-2212.	Dabat.	296519.	H-2224.	Gondar.
296510.	H-2214.	Komba bei	296520.	2241.	Athiopische G.
	Cara.		296521.	2243.	Athiopische G.
296511.	H-2215.	Irba Moda.	296522.	H-2671.	Agheresalam.
296512.	H-2216.	Burca.	296523.	H-2746.	Addis-Ababa.

296524 to 296526. *HORDEUM VULGARE* var. *COELESTE* L.

Six-rowed barley.

296524. H-2225. Bischam Harawatscha.

296525. H-2226. Zia.

296526. H-2228. Addis-Ababa.

296527 and 296528. *HORDEUM VULGARE* var. *DUPLINIGRUM* Koern.

Six-rowed barley.

296527. H-2229. Dembi Dollo.

296528. H-2230. Dembi Dollo.

296529 and 296530. *HORDEUM VULGARE* var. *NIGRUM* (Willd.) Beaven

Six-rowed barley.

296529. H-2207. Dembi Dollo.

296530. H-2217. Agheresalam.

296461 to 296534—Continued**296531 to 296534.** *HORDEUM VULGARE* var. *PALLIDUM* Seringe.

Six-rowed barley.

296531. H-2199. Addis-Ababa. 296533. H-2204. Dessie.

296532 H-2200. Uoghera. 296534. H-2205. Debra Sina.

296535 to 296537. *GOSSYPIUM* (hybrid). Malvaceae.

From the Sudan. Seeds presented by the Agricultural Research Division, Ministry of Agriculture, Wad Medani. Received Mar. 31, 1964.

296535. 'Barcling'. No data.

296536. 'Barhop 11'. Strain 9. (Hopi Acala × Bar 7/8.2) × Bar 11/7= 'Barhop 11'. Strain 9 is a selection of 'Barhop 11'. Shirley Institute Ref. No. 4464. Maturity ratio 0.885. Micronaire value 3.4. Analyser trash 2.3 percent. Fiber data: Effective length 37/32 inch; weight per cm., mean 140, std. 157; bundle strength (g/tex) 26.1.

296537. 'Barwelds 40'. No data.

296538 to 296541. *BETA VULGARIS* L. Chenopodiaceae.

Common beet.

From Poland. Seeds presented by Rolimpex, Centrala Handlu Zagranicznego, Warszawa. Received Mar. 31, 1964.

296538. AJ Poli 2.

296539. Buszczynski P-Poly.

296540. Poly-Mono. Poli-0.

296541. Tetra-Tri-Polanowic. Poli-0.

296542 to 296562. *ARACHIS HYPOGAEA* L. Leguminosae.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovot. Received Mar. 31, 1964.

Seeds large.

296542. 211/A/24=2. 193.

296543. 211/A/24=3. 218.

296544. 211/A/24=6. 234.

296545. 211/A/24=11. 185.

296546. 211/A/24=16. 186.

296547. 211/A/24=18. 235.

296548. 211/A/24=38. 208.

296549. 211/A/24=42. 194.

296550. 211/A/24=47. 178.

296551. 211/A/24=66. 222.

296552. 211/A/24=82. 183.

296553. 211/A/24=90. 213.

296554. 266-4-PL-12. 198.

296555. 266-4-PL-13. 199.

296556. 266-4-PL-20. 197.

296557. 266-4-PL-32. 211.

296558. 266-4-PL-64. 181.

296559. 'Florigiant' × 'Florispan'. Fl. Beit Dogan.

296560. 'Florigiant' × 'J. Jumbo'. Fl. 168. Beith Dagan.

296542 to 296562—Continued

296561. 'Jenkins Jumbo' × 'Florigiant'. Fl. H. Beith Dagan.

296562. 'Krinkle Leaves'. 218. Fruits small.

296563 to 296572.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Mar. 31, 1964.

296563. B/56/6. Irene strain. No. 1.

296564. B/56/7. Irene strain. No. 4.

296565. B/56/8. Irene strain. No. 5.

296566. B/56/9. Irene strain. No. 6.

296567. B/56/10. Irene strain. No. 8.

296568. B/57/114. Rietvlei.

296569. B/59/96. Grahamstown.

296570. B/59/102. Bandolierkop.

296571. B/59/118. Kalahari.

296572. B/62/33. Rietvlei.

296573 to 296575.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 31, 1964.

296573 and 296574. *LESPEDEZA STRIATA* (Thunb.) Hook. & Arn. Leguminosae.

296573. C.P.I. 27862. From China.

Common lespedeza.

296574. CQ 360.

296575. *LESPEDEZA JUNCEA* subsp. *SERICEA* (Thunb.) Van Steenis

C.P.I. 13145. From Pakistan.

296576. GOSSYPIUM (hybrid). Malvaceae.

From Ecuador. Seeds presented by the Comision Nacional del Algodon, Ibarra. Received Mar. 31, 1964.

296577. STENOTAPHRUM SECUNDATUM (Walt.) Kuntze.

Gramineae.

St. Augustine grass.

From Kenya. Stolons presented by the Director, National Agricultural Research Station, Kitale. Received Apr. 8, 1964.

K 61113.

296578 to 296580. ORYZA SATIVA L. Gramineae.

Rice.

From the Philippines. Seeds presented by the University of the Philippines Los Banos via the International Rice Research Institute, Los Banos. Received Mar. 31, 1964.

296578. No. C-2.

296579. No. C-18.

296580. No. C-74.

296581 to 296583.

From Guatemala. Seeds presented by A. T. Semple, Instituto Inter-Americano do Ciencias Agricolas de la Oea, Turrialba, Costa Rica. Received Mar. 31, 1964.

296581. *CROTALARIA* sp. Leguminosae.

Hacienda Las Variedades, west of Escuintla, south coast of Guatemala. Grown as green manure; reportedly unpalatable to cattle. Prolific seeder.

296582. DESMODIUM sp. Leguminosae.

Badly eroded pasture, Hacienda Thompson, between Guatemala City and Antigua. Elevation 5,000 feet. Area closely grazed but *Desmodium* apparently is unpalatable to cattle.

296583. TERAMNUS UNCINATUS (L.) Swartz Leguminosae.

In well-drained grass patch, Hacienda Agua Tibia, 15 miles southeast of Guatemala City. Elevation 5,000 feet.

296584 to 296722.

From the United States. Seeds held at the Pacific Southwest Forage & Range Experiment Station, Berkeley, Calif. Numbered Apr. 1, 1964.

All were collected in Turkey by D. R. Cornelius and subsequently grown in the United States.

296584 and 296585. ASTRAGALUS HAMOSUS L. Leguminosae.

296584. Col. No. 140.

296585. Col. No. 219.

296586. GALEGA OFFICINALIS L. Leguminosae. Common goatsrue.

Col. No. 895.

296587 to 296590. HYMENOCARPOS CIRCINNATUS (L.) Savi Leguminosae.

296587. Col. No. 136.

296589. Col. No. 218.

296588. Col. No. 188.

296590. Col. No. 829.

296591. HYMENOCARPOS UNISILICUOSA L.

Col. No. 164.

296592. LATHYRUS cf. DIGITATUS (Bieb.) Fiori Leguminosae.

Col. No. 119.

296593. MEDICAGO CORONATA (L.) Gaertn. Leguminosae.

Col. No. 105.

296594. MEDICAGO GALILAEA Boiss

Col. No. 255(9).

296595. MEDICAGO LACINIATA (L.) Mill.

Col. No. 377C.

296596. MEDICAGO LITTORALIS Rhode ex Loisel.

Col. No. 377B.

296597 to 296600. MEDICAGO LUPULINA L. Black medic.

296597. Col. No. 246.

296599. Col. No. 836.

296598. Col. No. 606.

296600. Col. No. 914.

296601 to 296604. MEDICAGO MINIMA (L.) Grufbergs. Little medic.

296601. Col. No. 255(5).

296603. Col. No. 377A.

296602. Col. No. 347D

296604. Col. No. 888.

296605. MEDICAGO MUREX Willd.

Col. No. 827(2,7).

296606. MEDICAGO NOEANA Boiss.

Col. No. 190.

296607 to 296611. MEDICAGO ORBICULARIS (L.) All. Buttonclover.

296607. Col. No. 212.

296608. Col. No. 279B.

296584 to 296722—Continued

296655. TRIFOLIUM ARVENSE L. Rabbitfoot clover.
Col. No. 315.
- 296656 to 296660. TRIFOLIUM CAMPESTRE Schreb. Large hop clover.
296656. Col. No. 327a. 296659. Col. No. 392.
296657. Col. No. 367b. 296660. Col. No. 429.
296658. Col. No. 380c.
- 296661 to 296663. TRIFOLIUM CHERLERI L.
296661. Col. No. 370a.
296662. Col. No. 370e.
296663. Col. No. 393.
- 296664 and 296665. TRIFOLIUM cf. COMPACTUM Post
296664. Col. No. 318.
296665. Col. No. 391b.
296666. TRIFOLIUM GLANDULIFERUM Boiss.
Col. No. 319.
- 296667 to 296672. TRIFOLIUM GLOBOSUM L.
296667. Col. No. 356. 296670. Col. No. 416.
296668. Col. No. 389. 296671. Col. No. 420a.
296669. Col. No. 407a. 296672. Col. No. 423.
296673. TRIFOLIUM GLOMERATUM L. Cluster clover.
Col. No. 370b.
- 296674 to 296676. TRIFOLIUM HIRTUM All. Rose clover.
296674. Col. No. 322.
296675. Col. No. 377d.
296676. Col. No. 935.
- 296677 and 296678. TRIFOLIUM cf. HYBRIDUM L.
296677. Col. No. 331.
296678. Col. No. 310.
- 296679 and 296680. TRIFOLIUM ISRAELITICUM Zoh. & Katzn.
296679. Col. No. 370f.
296680. Col. No. 617c.
296681. TRIFOLIUM LAPPACEUM L. Lappa clover.
Col. No. 338.
- 296682 to 296686. TRIFOLIUM PHYSODES Stev. ex Bieb.
296682. Col. No. 29. 296685. Col. No. 896.
296683. Col. No. 151. 296686. Col. No. 919.
296684. Col. No. 231.
- 296687 to 296696. TRIFOLIUM PRATENSE L. Red clover.
296687. Col. No. 17. 296692. Col. No. 783.
296688. Col. No. 320. 296693. Col. No. 805b.
296689. Col. No. 530. 296694. Col. No. 861.
296690. Col. No. 590. 296695. Col. No. 870.
296691. Col. No. 652. 296696. Col. No. 913.

296584 to 296722—Continued

- 296697 and 296698. *TRIFOLIUM PURPUREUM* Loisel.
 296697. Col. No. 347a.
 296698. Col. No. 414.
- 296699 to 296700. *TRIFOLIUM* cf. *REPENS* L.
 296699. Col. No. 709.
 296700. Col. No. 909.
- 296701 and 296702. *TRIFOLIUM REPENS* L. Whiteclover.
 296701. Col. No. 324.
 296702. Col. No. 784.
- 296703 to 296706. *TRIFOLIUM RESUPINATUM* L. Persian clover.
 296703. Col. No. 400a. 296705. Col. No. 407b.
 296704. Col. No. 402. 296706. Col. No. 420.
296707. *TRIFOLIUM SCABRUM* L. Rough clover.
 Col. No. 399b.
- 296708 and 296709. *TRIFOLIUM SETIFERUM* Boiss.
 296708. Col. No. 12.
 296709. Col. No. 180.
- 296710 to 296712. *TRIFOLIUM STELLATUM* L.
 296710. Col. No. 400b.
 296711. Col. No. 427.
 296712. Col. No. 456.
296713. *TRIFOLIUM SUBTERRANEUM* L. Subterranean clover.
 Col. No. 370k.
- 296714 to 296719. *TRIFOLIUM TOMENTOSUM* L. Woolly clover.
 296714. Col. No. 362a. 296717. Col. No. 420b.
 296715. Col. No. 364b. 296718. Col. No. 425a.
 296716. Col. No. 376b. 296719. Col. No. 438.
296720. *TRIFOLIUM VELIVOLUM* Paine
 Col. No. 430.
296721. *TRIFOLIUM* sp.
 Col. No. 363c.
296722. *TRIGONELLA* cf. *STELLATA* Forsk. Leguminosae.
 Col. No. 17.
- 296723 to 296725. *ZEA MAYS* L. Gramineae.**
- From Canada. Seeds presented by the Central Experimental Farm, Ottawa.
 Received Apr. 2, 1964.
- Sweetcorn.
 296723. 'Altagold'.
 296724. 'Banting'.
 296725. 'Pickaninny'.
- 296726 to 296730.**

From Hungary. Seeds presented by the Agrobotanical Institute, Tapioszele,
 via the United States Embassy, Belgrade, Yugoslavia. Received Apr. 2,
 1964.

296726 to 296730—Continued

296726. TRITICUM AESTIVUM L. Gramineae. Common wheat.
'Bezostaja'. Winter wheat.

296727 to 296730. ZEA MAYS L. Gramineae.

296727. Lisija Yu-S-144. **296729.** YU-BC-3.

296728. Lisija Yu-V-312. **296730.** YU-BC-4B.

296731 to 296746. ZEA MAYS L. Gramineae.

From Yugoslavia. Seeds presented by the Institute of Farm Crops, Maize Experiment Station, Zemun, via the United States Embassy, Belgrade. Received Apr. 2, 1964.

296731. Mv. 1. sz. hybrid (Mvasar).

296732. Mv. 5. sz. hybrid (Martonvasar).

296733. Szegedi sarga lofogu (Tordas).

296734. T. 150 Sarga lofogu (Kartal).

296735. No. 4. Tajfajta sarga lofogu (Csabacsud).

296736. No. 11. Tajfajta Bankuti korai (Cegled).

296737. No. 12. Tajfajta Bankuti korai (Cegled).

296738. No. 15. Tajfajta sarga lofogu (Alsopohok).

296739. No. 17. Tajfajta sarga lofogu (Kaba).

296740. No. 27. Tajfajta sarga lofogu, Felegyhaza.

296741. No. 32. Tajfajta fillermagu sarga (Balassagyarmat).

296742. No. 36. Tajfajta fillermagu sarga (Balassagyarmat).

296743. No. 41. Tajfajta sarga lofogu (Risce).

296744. No. 50. Tajfajta sarga lofogu (Magyarovar).

296745. No. 52. Tajfajta aproszemu Sarga lofogu Puski.

296746. No. 77. Tajfajta sarga lofogu (Mohacs).

296747. CITRUS MAXIMA (Burm.) Merr. Rutaceae.

From Israel. Seeds presented by the Volcani Institute of Agricultural Research, Beit Dagan. Received Apr. 2, 1964.

'Nanass'.

296748 to 296774.

From Canada. Seeds presented by the Jardin Botanique de Montreal, Montreal. Received Apr. 2, 1964.

296748. ADIANTUM PEDATUM var. ALEUTICUM Rupr. Polypodiaceae.

296749. ALNUS CRISPA var. MOLLIS Hort. Betulaceae. Alder.

296750. ARISAEMA DRACONTIUM Schott Araceae.

296751. ASTER NEMORALIS Ait. Compositae.

296752. ASTER NOVI-BELGII L. New York aster.

296753. ASTER PUNICEUS L.

296754. BETULA MICHAUXII Spach Betulaceae.

296755. BETULA PUMILA L.

296756. BETULA × RAYMUNDII Lepage.

296757. CAMPANULA ROTUNDFOLIA L. Campanulaceae.

296758. CHIOGENES HISPIDULA (L.) Torrey & Gray Ericaceae.

296748 to 296774—Continued

296759. *DRYOPTERIS SPINULOSA* O. Kuntze Polypodiaceae.
 296760. *IRIS HOOKERI* Penny Iridaceae.
 296761. *KALMIA ANGUSTIFOLIA* L. Ericaceae.
 296762. *KALMIA POLIFOLIA* Wangenh
 296763. *LYCOPODIUM ANNOTINUM* L. Lycopodiaceae.
 296764. *LYCOPODIUM INUNDATUM* L.
 296765. *SANGUISORBA CANADENSIS* L. Rosaceae.
 296766. *SMILACINA STELLATA* Desf. Liliaceae.
 296767. *SOLIDAGO ALTISSIMA* L. Compositae.
 296768. *SOLIDAGO CANADENSIS* L. Canada goldenrod.
 296769. *SOLIDAGO GRAMINIFOLIA* (L.) Salisb.
 296770. *SOLIDAGO PURSHII* Porter
 296771. *SOLIDAGO SEMPERVIRENS* L.
 296772. *TRIENTALIS BOREALIS* Rafin. Primulaceae.
 296773. *TRIOSTEUM ERYTHROCARPUM* H. Smith Caprifoliaceae.
 296774. *TRIOSTEUM ROSTHORNII* Diels & Graebn.
 296775. *MALUS SYLVESTRIS* Mill. Rosaceae. Common apple.

From Canada. Scions presented by the Genetics and Plant Breeding Research Institute, Central Experimental Farm, Ottawa. Received Apr. 3, 1964.

'Ottawa 541'.

296776. *SACCHARUM* (hybrid). Gramineae. Sugarcane.

From the Republic of Guinea. Cuttings collected by R. J. Steib, Louisiana State University and Agricultural College, Baton Rouge, La. Received Feb. 13, 1964. Numbered Apr. 3, 1964.

- 296777 to 296956. *HORDEUM SPONTANEUM* C. Koch. Gramineae.

From Israel. Seeds presented by the Department of Plant Pathology, Hebrew University, Rehovot. Received Apr. 3, 1964.

Individual collections segregated for reaction to net blotch *Drechslera teres* (*Pyrenophora teres* (Died.) Drechs.) Following code used to show reaction to composite isolates at seedling stage: S=susceptible. R=resistant. M=medium.

P.I. No.	Donor's No.	Source	Reaction
296777.	2	Even-Menachem-Shomra	S
296778.	3	Even-Menachem-Shomra	S
296779.	4	Even-Menachem-Shomra	S
296780.	5	Even-Menachem-Shomra	MR
296781.	6	Eshtaol	MS
296782.	12	Erez	S
296783.	15	Eilon	MR
296784.	16	Eilon	MR
296785.	17	Eilon	MR
296786.	18	Ayelet Hashahar	S
296787.	19	Ayelet Hashahar	S
296788.	20	Ayelet Hashahar	

296777 to 296956—Continued

<i>P.I. No.</i>	<i>Donor's No.</i>	<i>Source</i>	<i>Reaction</i>
296789.	21	Ayelet Hashahar	S
296790.	23	Ayelet Hashahar	S
296791.	26	Ashkelon Nat'l Park	S
296792.	28	Ashkenon Nat'l Park	R and S
296793.	49	Tel Ashdod	R and MS
296794.	57	Bat-Shelomo	MR and S
296795.	65	Bar-Giora	MS
296796.	81	Bet-Govrin-Bet Nir 283	
296797.	100	Ben Shemen	R and MR
296798.	101	Ben Shemen	R
296799.	102	Ben Shemen	MR
296800.	106	Gesher	S
296801.	107	Gevaram	MS
296802.	122	Gesher Achziv	MR and S
296803.	123	Gesher Achziv	MR
296804.	124	Gesher Achziv	MS
296805.	132	Gadot	R and MR
296806.	133	Gadot	R, MR and S
296807.	139	Gonen	R, MS and S
296808.	153	Dan	R and MS
296809.	157	Damon	MR and MS
296810.	158	Damon	MR and MS
296811.	163	Dalia-Galed	MR and MS
296812.	164	Dalia-Ramot Menashe	MR and MS
296813.	191	Harel	MR
296814.	202	Wadi Milik	S
296815.	204	Wadi Milik	R and S
296816.	205	Wadi Milik	S
296817.	213	Zikim	MR and S
296818.	219	Hanita	MR and MS
296819.	236	Hamadia	S
296820.	237 (black)	Hamadia	S
296821.	243	Upper Tiberias	MR and S
296822.	244	Upper Tiberias	MR and S
296823.	246	Upper Tiberias	R and MS
296824.	248	Yokneam	MR
296825.	249	Yokneam	MR and MS
296826.	265	Yiftach	S
296827.	270	Kfar Hassidim	R
296828.	271	Kfar Hassidim	MS
296829.	277	Kfar Hittim	S
296830.	278	Kfar Hittim	S

296777 to 296956—Continued

<i>P.I. No.</i>	<i>Donor's No.</i>	<i>Source</i>	<i>Reaction</i>
296831.	312	Kfar Silver Junction	R, MR and S
296832.	323	Kfar Gilead:	R
296833.	331	Carmel-110	MS and S
296834.	361	Lahav	MR
296835.	363	Lahav	MR and MS
296836.	365	Luzit	MR
296837.	368	Luzit	R—MS
296838.	421	Netiv Halamed Hei (N.L.H.)	R
296839.	429	Netiv Halamed Hei (N.L.H.)	R
296840.	435	Netiv Halamed Hei (N.L.H.)	MR—MS
296841.	445	N.L.H.-Aderet	MS
296842.	448	N.L.H.-Aderet	S
296843.	506	Nir David	R
296844.	529	Nurit on Gilboa	
296845.	533	Nahal Poleg	MS
296846.	537	Nahal Poleg	R
296847.	538	Nahal Poleg	R
296848.	539	Nahal Poleg	R
296849.	560	Sefen	
296850.	570	Ein Kerem	R and MS
296851.	582	Ein HaShofet	R
296852.	612	Ein Vered 186	R and MR
296853.	613	Ein Vered 186	R and MR
296854.	616	Ein Vered 186	R
296855.	621	Arad Km. 28	R and S
296856.	622	Arad Km. 28	S
296857.	623	Arad Km. 28	MR and S
296858.	624	Arad Km. 5	S
296859.	636	Poria	R
296860.	637	Poria	MR and S
296861.	638	Poria	MR and S
296862.	644	Poria	MR and S
296863.	661	Zafririm	R
296864.	665	Zafririm	MR and MS
296865.	666	Zafririm	R and MR
296866.	675	Kedma	S
296867.	676	Kedma	MS
296868.	677	Kedma	R, MR and MS
296869.	679	Kedma	MS
296870.	680	Kedma	MR
296871.	682	Kedma	S

296777 to 296956—Continued

<i>P.I. No.</i>	<i>Donor's No.</i>	<i>Source</i>	<i>Reaction</i>
296872.	683	Kedma	R and MS
296873.	704	Shaar Ephraim	R and S
296874.	708	Shaar Ephraim Jct.	S
296875.	710	Shaar Ephraim Jct.	S
296876.	713	Shaar Ephraim Jct.	S
296877.	717	Shaar Ha-Gai	S
296878.	734	Shelomi	R and MS
296879.	735	Sde Eliahu	R and MS
296880.	742	Shefaim	S
296881.	753	Sedot Micah	MR
296882.	754	Sedot Micah	MS
296883.	763	Tirosh-Sedot Micah	MR and MS
296884.	781	Tel Gezer	S
296885.	782	Tel Gezer	R
296886.	783	Tel Gezer	S
296887.	785	Tel Gezer	MS
296888.	798	Tel Aviv-Yarkon Bridge	R and S
296889.	799	Tel Aviv-Yarkon Bridge	R, MR and MS
296890.	802	Kadesh Naftali	MS and S
296891.	805	Kadesh Naftali	MR and MS
296892.	809	Shelomi	MR
296893.	851	Ein Zeitim	S
296894.	878	Ein Gev	
296895.	882	Bet Hillel	MR
296896.	883	Mt. Canaan	MS
296897.	893	Eshtaol	MS
296898.	895	Eshtaol	R, MR and S
296899.	912	Opp. WIZO Forest	R
296900.	913	Opp. WIZO Forest	S
296901.	928	Yishai	MR
296902.	939	Mavkiim	S
296903.	942	Gesher	R and MS
296904.	943	Gesher	R and S
296905.	944	Gesher	MR and MS
296906.	945	Gesher	R, MR and MS
296907.	946	Gesher	MS
296908.	947	Gesher	R, MR and MS
296909.	949	Mesilat-Zion	R and MR
296910.	950	Mesilat-Zion	MR and MS
296911.	951	Metulla	MS and S
296912.	959	Misgav Am	MR
296913.	961	Mitzpeh Hayarden	MS and S
296914.	962	Mitzpeh Hayarden	R and MS

296777 to 296956—Continued

<i>P.I. No.</i>	<i>Donor's No.</i>	<i>Source</i>	<i>Reaction</i>
296915.	963	Mitzpeh Hayarden	MR
296916.	965	Mitzpeh Hayarden	MR
296917.	966	Mrar	S
296918.	977	Gypsum Quarry	
296919.	988	Lower Motza	MR and S
296920.	996	Mekor Haim	R
296921.	998	Mekor Haim	MS and S
296922.	1033	N.L.H.	MR and MS
296923.	1036	Arad Km 5	S
296924.	1037	Arad Km 5	S
296925.	1038	Arad Km 5	S
296926.	1047	Sea Level—Kinneret	MR
296927.	1048	Kiriat Yearim	MS
296928.	1084	Alumot	MR
296929.	1092	Shomron	MS-S
296930.	1104	Ashdod Yaacov	R-MR
296931.	1125	Hamadia	MS
296932.	1136	Sde Hemed	R and MS
296933.	1138	Sde Hemed	R and MS
296934.	1139	Sde Hemed	MR and MS
296935.	1142	Sde Hemed	MR, MS and S
296936.	1152	Bet Nabala	
296937.	1153	Bet Nabala	
296938.	1154	Bet Nabala	
296939.	1155	Bet Nabala	
296940.	1157	Bet Nabala	
296941.	1158	Bet Hanan	MR and S
296942.	1161	Medalim	R
296943.	1167	Kfar Shemuel	MS
296944.	1177	Bet Shemesh	MS
296945.	1181	Hartuv	MS and S
296946.	1184	Hartuv	MR
296947.	1185	Hartuv	R and S
296948.	1187	Ashkelon	R
296949.	1188	Ashkelon	R and MS
296950.	1189	Ashkelon	R
296951.	1193	Tel Lachish	S
296952.	1194	Tel Lachish	MS
296953.	1196	Tel Lachish	MR
296954.	1197	Tel Lachish	R
296955.	1198	Tel Lachish	R and MS
296956.	1206	Elah Valley	MS

296957 and 296958.**Chufa.**

From Ghana. Tubers presented by the United States Agency of International Development, Accra. Received Apr. 6, 1964.

296957. 'Amelorkope'. Near Volta River, southeast Ghana.

296958. 'Kano'. Kano, Nigeria.

296959. PHASEOLUS ATROPURPUREUS DC. Leguminosae.

From Australia. Seeds presented by the Arthur Yates & Co., Ltd., Sydney. Received Apr. 6, 1964.

'Sirato'.

296960 to 296967.

From Turkey. Seeds presented by the State Monopoly Tobacco Research Institutes, Istanbul. Received Apr. 6, 1964.

296960. *DATURA BERNHARDII* Lundstroem Solanaceae.

296961. *DATURA FEROX* L.

296962. *DATURA INERMIS* Jacq.

296963 to 296965. *DATURA STRAMONIUM* L.

Jimsonweed.

296963. No. 1.

296964. No. 2.

296965. No. 3.

296966. *LYCIUM HALIMIFOLIUM* Mill. Solanaceae.

296967. *LYCIUM HORRIDUM* Thunb.

296968. TRITICUM ZHUKOVSKYI Menabde & Eritzjan. Gramineae.

From the Union of Soviet Socialist Republics. Seeds presented by the Kansas State University, Hays, Kans. Received Apr. 6, 1964.

Spring wheat from Georgia, U.S.S.R. Reportedly has 42 chromosomes, is quite fertile and readily crosses with *T. aestivum*. May be a natural polyploid of *T. timopheevi* × *T. monococcum* var. *hormenani*.

296969 to 296972.

From Tunisia. Seeds presented by the Service Botanique et Agronomique de Tunisie, Ariana. Received Apr. 7, 1964.

296969. *ASPARAGUS ASPARAGOIDES* (L.) W. F. Wight. Liliaceae.

Smilax asparagus.

No. 26.

296970. *ASPARAGUS FALCATUS* L.

No. 25.

296971. *ASPARAGUS PLUMOSUS* Baker.

Fern asparagus.

No. 27.

296972. *ASPARAGUS SPRENGERI* Regel.

Sprenger asparagus.

No. 28.

296973 to 296977.

From Great Britain. Seeds presented by the Royal Botanic Garden, Edinburgh, Scotland. Received Apr. 7, 1964.

296973. *HIBISCUS DENISONII* Hort. Malvaceae.

No. 1964.

296973 to 296977—Continued

296974. RHODODENDRON LACTEUM Franch. Ericaceae.

No. 1313.

296975. RHODODENDRON LEPIDOSTYLUM Balf. f. & Forr.

No. 1315.

296976. RHODODENDRON STEWARTIANUM Diels

No. 1367.

296977. RHODODENDRON WARDII W. W. Smith

No. 1393.

296978. SCHIZANDRA CHINENSIS C. Koch. Magnoliaceae.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Apr. 7, 1964.

Woody vine, resistant to extreme cold. Fruit, red, small, borne in clusters; tart in flavor.

296979 to 296983.

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Academiae Scientiarum, Tashkent. Received Apr. 7, 1964.

296979. ACANTHOLIMON ALBERTI Regel Plumbaginaceae.

Evergreen ground-covering sub shrubs, leaves stiff and prickly.

296980. ACANTHOLIMON AVENACEUM Bunge

296981. HIBISCUS. Malvaceae.

Piala type mixture. White, red spot at center, flowers 15 cm.

296982. HIBISCUS.

Schalapin type mixture. Dark red, flowers 15 cm.

296983. TULIPA VVEDENSKYI Z. Botsch. Liliaceae.

Orange-red flowers, petals reflexed yellow at base, sometimes brownish at base.

296984. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

From the United States. Seeds held in storage at the United States Regional Plant Introduction Station, Pullman, Washington. Received Apr. 7, 1964.

'Golden Lake'. Late variety, climbing wax bean developed by the Washington Agricultural Experiment Stations for climatic conditions west of the Cascade Mountains. Vines to seven feet long; growth habit, bushiness and vigor similar to 'Blue Lake'; pods golden yellow, round in cross section, straight, stringless, seeds white. Recommended for home garden and canning, but not for freezing. Resistant to Common Bean Mosaic and pod and leaf rust (not true bean rust).

296985 and 296986. ILEX AQUIFOLIUM var. CHINENSIS Loes.

Aquifoliaceae.

English holly.

From Japan. Seeds presented by the Aritaki Arboretum, Koshigaya City, Saitama Ken. Received Apr. 7, 1964.

296985. No. 1.

296986. No. 2.

296987. ASPARAGUS OFFICINALIS L. Liliaceae.

Garden asparagus.

From Belgium. Seeds presented by the Dienst voor Parken en Plantsoenen, Antwerp. Received Apr. 7, 1964.

296988 to 297000. HORDEUM VULGARE L. Gramineae.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Bordenave, via the University of Oklahoma, Stillwater, Okla. Received Apr. 7, 1964.

Varieties screened for greenbug resistance rated on damage as follows: 3=41-60 percent, 4=61-80 percent, 5=beyond recovery.

<i>P.I. No.</i>	<i>Strain</i>	<i>Source</i>	<i>Rating</i>	<i>Number of living plants</i>
296988.	B.216-550100b	2884/62	5	1
296989.	B.216-6202	2889/62	5	2
296990.	B.217-1503	2912/62	5	1
296991.	B.217-2302	2913/62	5	3
296992.	B.217-4201	2914/62	5	1
296993.	B.217-7501	2922/62	5	2
296994.	B.217-(11)40(12)	2925/62	5	2
296995.	B.273-0(15)000	3245/62	4	5
296996.	B.273-0(15)001	3246/62	4	7
296997.	B.273-0(15)002	3247/62	3	15
296998.	B.273-0(26)00a3	3286/62	5	2
296999.	B.273-0(26)00a5	3294/62	5	2
297000.	B.273-0(29)000	3302/62	5	1

297001 to 297030.

From Kenya. Seeds presented by the Plant Breeding Station, Njoro. Received Apr. 7, 1964.

297001. TRITICUM (hybrid). Gramineae.

No. 8. 'Mengavi' ('Spica-Koda' × 'Gabo'). 'Gabo' type resistance. Pedigree: 'Spica', 'Gabo', and *T. timopheevi*.

297002. TRITICUM (hybrid).

No. 20. *T. aestivum* × *Aegilops ovata*. *Aegilops* resistance.

297003 to 297029. TRITICUM AESTIVUM L.

Common wheat.

297003. 'Yaqui 50'. 'Marroqui 588' × 'Newthatch'.

297004. 'Kentana Yaqui'.

297005. 'Africa-Mayo 48'.

297006. 1066/1. Unknown, field selection.

297007. 'MidalMcMurachy' × 'Exchange'.

297008. 'Veranopolis'. Unknown. Susceptible to race 34 in Kenya.

297009. 'Tama'. 'Yaktana' × 'Lerma'.

297010. 'Gala'. Spring wheat—'Gabo' × 'Lerma'. 'Gabo' type resistance.

297011. 'Yaqui 53'. Y.50 × Eg.101 × 'Gabo'. 'Gabo' type resistance.

297012. 'Yansek' × 'Bonza'. 'Bonza' type resistance.

297013. T-K² × 'Bonza² VI.106'. 'Bonza' type resistance.

297014. 'Fronthatch'. 'Frontana-K.58-Newthatch'. 'Thatcher' type resistance.

297015. 'Morris'. (Mida-Kenya 117A-Thatcher²-'Frontana-Thatcher⁴'. 'Thatcher' type resistance.

297001 to 297030—Continued

297003 to 297029—Continued

297016. 'P.W. Thatcher'. 'Thatcher' type resistance. *Agropyron* translocation?
297017. 'Wis.245' × 'Supremo'. *T. timopheevi* type resistance.
297018. H441. 'Reward' × C.I.12632. *T. timopheevi* type resistance.
297019. SA 43. 'Complex'. *T. timopheevi* and *Agropyron* type resistance.
297020. 'Kenya Farmer'. 'Kenya 192' × 'Australian 27'.
297021. 184 P. 'Kenya 73' × 'Reliance'.
297022. II-44-11 × Lee⁴. 'Lee' type resistance.
297023. 1008 CIL. 131 × 184 P.
297024. 1203 A1C2. C.I. 12632 × 'Rio Negro'.
297025. 1204 L1A. C.I. 12632 × 354.
297026. 1346 A2A1. ('Lagaedinho' × 354P³) × (C.I. 12632 × 354P³).
297027. V 2006Y. 'Yaqui KT Bza' sib.
297028. 9087 5. Unknown.
297029. 'Giza' × 'Hegazy'.

297030. TRITICUM TIMOPHEEVI Zhuk.

No. 16. Important source of resistance.

297031 to 297034.

From Colombia. Seeds collected by W. H. Cross, Boll Weevil Research Laboratory, College Station, Miss. Received Apr. 8, 1964.

297031. GOSSYPIUM HIRSUTUM L. Malvaceae. Upland cotton.

Col. No. 11 A. C.B. 3719. Vacant lot, corner of Calle 2 and Carrera 5 a, Guacari, Valle Department. Plants to 8 feet high; leaves deeply cleft; heavy glands on buds; bracts, lateral margins entire, apiece 3-4 toothed; rudimentary boll within a boll.

297032. GOSSYPIUM sp.

Col. No. 15. C.B. 3720. Heradura, near Palmira, Valle Department. Plants reportedly 2 years old, to 12 feet high; trunk 5 inches in diameter; bracts, lateral margins entire, apices 3-4 toothed.

297033. GOSSYPIUM sp.

Col. No. 24. C.B. 3721. Pongside in woods near Caracolicito, 0.6 mile south of Copey, Magdalena Department. Seeds naked.

297034. GOSSYPIUM sp.

Col. No. 27. C.B. 3722. West side of highway, 3 miles north of Cienaga, Magdalena Department. Plant in wild, to 10 feet high; flowers absent; bolls numerous, open, with heavy glands; bracts, lateral margins entire, apices toothed.

297035 to 297037.

From Jamaica. Seeds collected by W. H. Cross, Boll Weevil Research Laboratory, College Station, Miss. Received Apr. 8, 1964.

297035. GOSSYPIUM sp. Malvaceae.

Col. No. 65. C.B. 3738. In beach vegetation. Plumb Point, 1 mile east of Palisadoes Airport, opposite Kingston. Flowers almost pure white with very heavy petal spots; bolls small, short, sharply pointed; bracts with large coarse teeth.

297035 to 297037—Continued**297036. GOSSYPIUM sp.**

Col. No. 66. C.B. 3739. Opposite salt ponds, 2.8 miles east of Yallahs, St. Thomas Parish. Tree to 10 feet high; bolls numerous, open, long pointed; bracts purple red, spotted at base.

297037. GOSSYPIUM sp.

Col. No. 67. C.B. 3740. North side of road, 6.2 miles east of Yallahs, St. Thomas Parish. Plants to 10 feet high; leaves large; bracts large, with 7 to 8 coarse teeth; bolls long pointed. Petal spots present.

297038 and 297039.

From Peru. Seeds collected by W. H. Cross, Boll Weevil Research Laboratory, College Station, Miss. Received Apr. 8, 1964.

297038. GOSSYPIUM sp. Malvaceae.

Col. No. 28. C.B. 3723. La Molina Station, near Lima. Brown-linted cotton in species garden.

297039. GOSSYPIUM sp.

Col. No. 39. C.B. 3724. Hacienda San Jose near Chinchá Alta.

297040 to 297052.

From Venezuela. Seeds collected by W. H. Cross, Boll Weevil Research Laboratory, College Station, Miss. Received Apr. 8, 1964.

297040. CIENFUEGOSIA AFFINIS Hochr. Malvaceae.

Col. No. 44. Chaparral vegetation, along Highway 5, near Aguadita, Cojedes Department. Collected January 28, but main fruiting season is in May.

297041 and 297042. GOSSYPIUM HIRSUTUM L. Malvaceae. Upland cotton.

297041. Col. No. 46. C.B. 3728. Dooryard, west edge of San Carlos, Cojedes Department. 'Purpurascens'. Plant large, with anthocyanin in all parts; flowers pale yellow, with no petal spot; bolls small, round.

297042. Col. No. 64. C.B. 3737. Marvenca granite factory entrance, Guatire. 'Purpurascens'. Plants to 15 feet high, purple colored; petal spot very faint or absent; one boll open.

297043. GOSSYPIUM sp.

Col. No. 41. C.B. 3726. Near Km. 6, along dual lane road, Caracas to Maiquetia, District Federal. Plants to 6 feet high; flowers few; bolls numerous, open, small, round; petal spot heavy.

297044. GOSSYPIUM sp.

Col. No. 49. C.B. 3729. Dooryard, west edge of San Carlos, Cojedes Department. Trees to 18 feet high; anthocyanin in stems, bracts and leaf veins; flowers small, with heavy petal spot; bracts, lateral margins entire, apices 3-5 toothed.

297045. GOSSYPIUM sp.

Col. No. 50. C.B. 3730. Dooryard, north side of Highway 5, Carabobo, Carabobo Department. Tree hanging over wall; flowers with heavy petal spots; bolls small, round.

297046. GOSSYPIUM sp.

Col. No. 51. C.B. 3731. Dooryard, Villa de Cura, Aragua Department.

297047. GOSSYPIUM sp.

Col. No. 52. C.B. 3732. Dry dooryard, east side of road, Ortiz, Guarico Department. Tree to 12 feet high, many branched; leaves very small; bracts small, narrow, no longer than bud; seed dark green pubescent.

297040 to 297052—Continued**297048.** *GOSSYPIUM* sp.

Col. No. 54. C.B. 3733. East side of road, Valle de Pascua, Guarico Department. Flowers with heavy petal spot.

297049. *GOSSYPIUM* sp.

Col. No. 61. C.B. 3734. Along Highway 9, west of Rio Cupira, Palo Blanco, Miranda Department. Plants to 15 feet high; flowers pale yellow with very light spots on petals; bracts large, 6–8 toothed; bolls long, pointed.

297050. *GOSSYPIUM* sp.

Col. No. 62. C.B. 3735. Dooryard, Casa 14, Cerito, about 8 miles south of Rio Chico, road from El Guapo, Miranda Department. Large-leaved tree; flowers pale yellow; bolls long pointed.

297051. *GOSSYPIUM* sp.

Col. No. 63. C.B. 3736. Roadside, Highway 12, Yaguapa, 9 miles north-east of Caucagua, Miranda Department. Tree with many open bolls; no flowers.

297052. *THESPESIA POPULNEA* (L.) Soland. ex Correa. Malvaceae.

Portiatree.

Col. No. 40. In courtyard and along street between library and public building, across street from Hotel La Reina, Naiguata, Distrito Federal.

297053 to 297057.

From Guatemala. Seeds collected by F. G. Maxwell, Boll Weevil Research Laboratory, College Station, Miss. Received Apr. 8, 1964.

297053. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.

Col. No. 19. C.B. 3717. From house between river and road to Cajabon, north edge of Lanquin, Alta Verapaz. Plants large.

297054. *GOSSYPIUM HIRSUTUM* L. Upland cotton.

Col. No. 16. C.B. 3714. Dooryard, across street from Cantina de las 4 Ventanas, San Miguel Chica, 10 km. north of Salama, Baja Verapaz. Brown linted.

297055. *GOSSYPIUM* sp.

Col. No. 17. C.B. 3715. Finca Constancia, Panzos, 1 km. south of Agua Caliente, Alta Verapaz. Plants large.

297056. *GOSSYPIUM* sp.

Col. No. 18. C.B. 3716. Candelana, 16 km. above Agua Caliente, road to Senahu, Alta Verapaz.

297057. *GOSSYPIUM* sp.

Col. No. 20. C.B. 3720. Lanquin, Alta Verapaz.

297058 to 297075.

From Mexico. Seeds collected by F. G. Maxwell, Boll Weevil Research Laboratory, College Station, Miss. Received Apr. 8, 1964.

297058 to 297060. *GOSSYPIUM BARBADENSE* L. Malvaceae.

Sea-island cotton.

297058. Col. No. 4. C.B. 3701. El Carmen, about 14 km. east of Venustiano Carranza, Chiapas. Clone; plants large.**297059.** Col. No. 13. C.B. 3711. House, west side of road, 1.4 km. north of Comitán, road to Las Margaritas, Chiapas.**297060.** Col. No. 14. C.B. 3712. In orange grove 0.5 km. west of Las Margaritas, Chiapas.**297061.** *GOSSYPIUM HIRSUTUM* L.

Upland cotton.

Col. No. 8. C.B. 3706. Eight km. from Venustiano Carranza, road to Puhiltic sugar factory, Chiapas. Petal spot present.

297058 to 297075—Continued

297062 and 297063. *Gossypium punctatum* Schum. & Thonn.

297062. Col. No. 11. C.B. 3709. House near river, 4 km. south of Puhiltic sugar factory, near Rio Blanco, Chiapas.

297063. Col. No. 12. C.B. 3710. Dooryard, road to Las Margaritas, Comitán, Chiapas.

297064. *Gossypium* sp.

Col. No. 1. C.B. 3698. Old field 1 km. north of Acala, Chiapas.

297065. *Gossypium* sp.

Col. No. 2. C.B. 3699. Yard, Acala, Chiapas. Plants to 1.7 meters high; branches recumbent.

297066. *Gossypium* sp.

Col. No. 3. C.B. 3700. Village of Miguel Hidalgo, Chiapas.

297067. *Gossypium* sp.

Col. No. 3A. Three km. east of Venustiano Carranza, Chiapas.

297068. *Gossypium* sp.

Col. No. 5. C.B. 3702. El Carmen, 15 km. east of Venustiano Carranza, Chiapas.

297069. *Gossypium* sp.

Col. No. 5A. C.B. 3703. El Carmen, 14 km. east of Venustiano Carranza, Chiapas.

297070. *Gossypium* sp.

Col. No. 6. C.B. 3704. One km. north of El Carmen and 13 km. east of Venustiano Carranza, Chiapas.

297071. *Gossypium* sp.

Col. No. 7. C.B. 3705. Seed store, Venustiano Carranza, Chiapas.

297072. *Gossypium* sp.

Col. No. 9. C.B. 3707. Venustiano Carranza, Chiapas.

297073. *Gossypium* sp.

Col. No. 10. C.B. 3708. Valley, road to Puhiltic sugar factory, 13 km. from Venustiano Carranza, Chiapas.

297074. *Gossypium* sp.

Col. No. 11A.

297075. *Gossypium* sp.

Col. No. 15. C.B. 3713. Field near Tapachula, Chiapas.

297076 to 297082.

From Poland. Seeds presented by the Institut Hodowii i Aklimatyzacji Roslin, Krakow. Received Apr. 9, 1964.

297076. *Phaseolus vulgaris* L. Leguminosae. Common bean.

'Rakowicka'. Seeds kidney shape, large, flat, white.

297077 to 297080. *Phaseolus vulgaris* var. *Nanus* Martens Common bean.

297077. 'Broko'. Seeds white, long-ovoid, smallish.

297078. 'Bronowicka'. Seeds light brown, almost cylindrical, medium size.

297079. WRB-247. Seeds white, oval, smallish.

297080. ZB-7. Seeds white, oval, smallish.

297076 to 297082—Continued

- 297081 and 297082.** *PISUM SATIVUM* L. Leguminosae. Pea.
297081. 'Szesciotygodniowy'. Seeds round, pale green.
297082. 'Tabu'. Seeds round, fawn colored.

297083 to 297088.

From Canada. Seeds presented by the Central Experiment Farm, Ottawa. Received Apr. 9, 1964.

- 297083.** *FESTUCA ELATIOR* L. Gramineae. Meadow fescue.
 'Trader'.
297084. *HELIANTHUS ANNUUS* L. Compositae. Sunflower.
 'Advent Hybrid'.
297085. *HORDEUM VULGARE* L. Gramineae.
 'Dover'. Winter barley.
297086. *MELILOTUS* sp. Leguminosae.
 'Cumino'.
297087. *PISUM SATIVUM* L. Leguminosae. Pea.
 'Valley'. Seeds round, cream colored.
297088. *TRIFOLIUM PRATENSE* (L.) Leguminosae. Red clover.
 'Ottawa'.

297089 and 297090. *LENS CULINARIS* Medic. Leguminosae. Lentil.

From Pakistan. Seeds presented by the Agricultural Attache, Karachi. Received Apr. 22, 1964.

- 297089.** No. 1.
297090. No. 2.

297091. *MILTONIA SPECTABILIS* Lindl. Orchidaceae.

From Brazil. Plant collected by E. P. Imle, collaborator, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Apr. 27, 1964.

Col. No. 127. In wild along Itabuna-Jarsari road, Bahia. Flowers large, showy, March.

297092. *CYNARA CARDUNCULUS* L. Compositae. Cardoon.

From the United States. Seeds presented by the Industrial Consultant, Vocational Services Program, San Mateo County Dept. of Health & Welfare, Belmont, Calif. Received Apr. 10, 1964.

A floral operations byproduct.

297093 to 297252. *SORGHUM BICOLOR* (L.) Moench. Gramineae.

From Uganda. Seeds presented by the Serere Research Station, Soroti. Received Apr. 10, 1964.

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| 297093. E-1. | 297100. E-8. |
| 297094. E-2. | 297101. E-9. |
| 297095. E-3. | 297102. E-10. |
| 297096. E-4. | 297103. E-11. |
| 297097. E-5. | 297104. E-12. |
| 297098. E-6. | 297105. E-13. |
| 297099. E-7. | 297106. E-14. |

297093 to 297252—Continued

297107.	E-15.	297150.	E-84.
297108.	E-16.	297151.	E-85.
297109.	E-17.	297152.	E-86.
297110.	E-18.	297153.	E-87.
297111.	E-19.	297154.	E-88.
297112.	E-20.	297155.	E-89.
297113.	E-21.	297156.	E-90.
297114.	E-22.	297157.	E-91.
297115.	E-23.	297158.	E-92.
297116.	E-50.	297159.	E-93.
297117.	E-51.	297160.	E-94.
297118.	E-52.	297161.	E-95.
297119.	E-53.	297162.	E-96.
297120.	E-54.	297163.	E-97.
297121.	E-55.	297164.	E-98.
297122.	E-56.	297165.	E-99.
297123.	E-57.	297166.	E-100.
297124.	E-58.	297167.	E-101.
297125.	E-59.	297168.	E-102.
297126.	E-60.	297169.	E-103.
297127.	E-61.	297170.	E-104.
297128.	E-62.	297171.	E-105.
297129.	E-63.	297172.	E-106.
297130.	E-64.	297173.	E-107.
297131.	E-65.	297174.	E-108.
297132.	E-66.	297175.	E-109.
297133.	E-67.	297176.	E-110.
297134.	E-68.	297177.	E-111.
297135.	E-69.	297178.	E-112.
297136.	E-70.	297179.	E-113.
297137.	E-71.	297180.	E-114.
297138.	E-72.	297181.	E-123.
297139.	E-73.	297182.	E-124.
297140.	E-74.	297183.	E-125.
297141.	E-75.	297184.	E-126.
297142.	E-76.	297185.	E-127.
297143.	E-77.	297186.	E-128.
297144.	E-78.	297187.	E-129.
297145.	E-79.	297188.	E-130.
297146.	E-80.	297189.	E-131.
297147.	E-81.	297190.	E-132.
297148.	E-82.	297191.	E-142.
297149.	E-83.	297192.	E-143.

297093 to 297252—Continued

297193.	E-144.	297223.	E-536.
297194.	E-145.	297224.	E-547.
297195.	E-164.	297225.	E-559.
297196.	E-165.	297226.	E-560.
297197.	E-166.	297227.	E-561.
297198.	E-167.	297228.	E-562.
297199.	E-168.	297229.	E-563.
297200.	E-169.	297230.	E-565.
297201.	E-170.	297231.	E-566.
297202.	E-243.	297232.	E-568.
297203.	E-269.	297233.	E-900.
297204.	E-271.	297234.	E-1095.
297205.	E-272.	297235.	E-1096.
297206.	E-273.	297236.	E-1097.
297207.	E-274.	297237.	E-1157.
297208.	E-275.	297238.	E-1158.
297209.	E-276.	297239.	E-1138.
297210.	E-277.	297240.	E-1139.
297211.	E-278.	297241.	E-1140.
297212.	E-280.	297242.	E-1142.
297213.	E-281.	297243.	E-1154.
297214.	E-470.	297244.	E-1155.
297215.	E-471.	297245.	E-1156.
297216.	E-472.	297246.	E-1177.
297217.	E-477.	297247.	E-1178.
297218.	E-484.	297248.	E-1180.
297219.	E-490.	297249.	E-1181.
297220.	E-499.	297250.	E-1182.
297221.	E-507.	297251.	E-1210.
297222.	E-522.	297252.	E-1213.

297253 to 297279.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Apr. 10, 1964.

297253.	AVERRHOA CARAMBOLA L.	Oxalidaceae.	Carambola.
297254.	CANAVALIA GLADIATA (Jacq.) DC.	Leguminosae.	Swordbean.
297255.	CHRYSANTHEMUM CINERARIAEFOLIUM (Trevir.) Vis.	Compositae.	Pyrethrum.
297256 to 297275.	CICER ARIETINUM L.	Leguminosae.	Chickpea.
	The Indian common name is "Gram".		
297256.	B.R. 17.		
297257.	'Brown G-2'.		
297258.	C-1.		
297259.	C-49.		

297253 to 297279—Continued**297256 to 297275—Continued**

297260. C-104.
 297261. C-168.
 297262. C-235. Blight resistant.
 297263. 'Chafa'. Very early type.
 297264. G-24. Wilt resistant.
 297265. G-G. Green gram.
 297266. G.N.2. Green (Rajasthan).
 297267. K-3.
 297268. K-4. Kabuli (United Province).
 297269. K-5. Green and bold seeded.
 297270. N.P.28.
 297271. N.P.53.
 297272. N.P.58.
 297273. 'Punjab-7'.
 297274. R.S.10. Black (Rajasthan).
 297275. T.87. Bold seeded.
 297276. ONCOBA sp. Loganiaceae.
 297277. SARACA CAULIFLORA Baker Leguminosae.
 297278.
 297279. STERCULIA URENS Roxb. Sterculiaceae. **Bottle tree.**

297280 to 297283.

From Israel. Bulbs presented by the Hebrew University, Jerusalem. Received Apr. 15, 1964.

297280. ALLIUM ERDELLII Zucc. Liliaceae.
 297281. ALLIUM ROTHII Zucc.
 297282. ALLIUM SCHUBERTII Zucc.
 297283. ALLIUM TEL-AVIVENSE Eig.

297284 to 297287. LENS CULINARIS Medic. Leguminosae.**Lentil.**

From Argentina. Seeds presented by the American Embassy, Buenos Aires. Received Apr. 14, 1964.

Originated in the Santa Fe Province.

297284. 'Lentejas Buenas'.
 297285. 'Lentejas Especiales Granel'.
 297286. 'Lentejas Seleccionadas'.
 297287. 'Lentejas Extra Seleccionadas'.

297288 to 297299. PHASEOLUS VULGARIS L. Leguminosae.**Common bean.**

From El Salvador. Seeds presented by the Centro Nacional de Agronomica, Santa Tecla. Received Apr. 14, 1964.

297288. Porrillo No. 1. **297290. G-21-70-77.**
 297289. San Andres No. 1. **297291. Jamapa.**

297288 to 297299—Continued

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| 297292. S-182-N. | 297296. Africa 17. |
| 297293. Mex-24-N. | 297297. Rico. |
| 297294. 27-R. | 297298. 5-A vaina blanca. |
| 297295. Antioquia 6 Sangre de Toro. | 297299. Mecentral. |

297300 to 297305. PRUNUS ARMENIACA L. Rosaceae. Apricot.

From Canada. Trees presented by the Research Station, Vineland, Ontario. Received Apr. 23, 1964.

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| 297300. V. 49056. | 297303. V. 510915. |
| 297301. V. 51091. | 297304. V. 51166. |
| 297302. V. 51095. | 297305. V. 51043. |

297306 to 297315. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Japan. Tubers presented by the Shimamatsu Potato Breeding Center, Hokkaido National Agricultural Experiment Station, Eniwa, Hokkaido. Received June 10. Numbered July 9, 1964.

2n=24.

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| 297306. 'Chippewa' JSH-23. | 297311. 'Maritta' JSH-34. |
| 297307. 'Deodara' JSH-29. | 297312. 'Merkur' JSH-37. |
| 297308. 'Hachprozentige' JSH-19. | 297313. 'Parnassia' JSH-22. |
| 297309. 'Irish Cobbler' JSH-26. | 297314. 'Rankoku No. 3'. JSH-42. |
| 297310. 'Jubel' JSH-20. | 297315. 'Tuno' JSH-14. |

297316. CITRUS sp. Rutaceae.

From French Oceania. Budsticks presented by Service de l'Agriculture et des Eaux et Forêts, Papeete, Tahiti, Society Islands. Received June 11, 1964. Numbered July 9, 1964.

297317. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria, via the United States Embassy. Received May 14, 1964.

DL/64/348. No. 1203-2. A canning or paste type with resistance to *Septoria* and *Cladosporium*.

297318. VITEX PINNATA L. Verbenaceae.

From British Guiana. Seeds presented by the Botanic Gardens, Georgetown. Received May 14, 1964.

297319 to 297321.

From Sweden. Seeds presented by W. Weibull, Landskrona. Received Apr. 29, 1964.

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| 297319. TRIFOLIUM HYBRIDUM L. Leguminosae. | Alsike clover. |
| Weibull's original 'Tetra'. | |
| 297320. TRIFOLIUM PRATENSE L. | Red clover. |
| Weibull's original 'Rea'. | |
| 297321. TRIFOLIUM REPENS L. | Whiteclover. |
| Weibull's original 'Nora'. | |

297322 to 297325. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Chile. Seeds collected by W. Q. Loegering, International Rust Nursery Program, Plant Industry Station, Beltsville, Md. Received Apr. 29, 1964.

297322. 'Coutiches'.

297323. 'Heines IV'.

297324. 'Platifen'.

297325. 'Poncheau'. C-5961-3b-3b-1b-1t. Spring wheat.

297326. TRITICUM TIMONOVUM Heslot. Gramineae.

From the Union of Soviet Socialist Republics. Seeds presented by the Kansas State University, Hays, Kans. Received Apr. 29, 1964.

Via France. Spring type. An artificial polyploid, $2n=56$. Putative hybrid, one parent possibly being *T. timopheevi*. One leaf surface has exaggerated pubescence and is a black, ear-tinting mutant.

297327. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From the Netherlands. Seeds presented by the Institute of Agricultural Plant Breeding, Wageningen. Received Apr. 29, 1964.

'Orca'.

297328. PHYTOLACCA DIOICA L. Phytolaccaceae. Ombutree pokeberry.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Apr. 29, 1964.

297329. ARACHIS HYPOGAEA L. Leguminosae.

From Israel. Seeds presented by the Volcani Institute of Agricultural Research, Rehovot. Received Apr. 29, 1964.

'N.C. 2'.

297330 to 297381.

From Norway. Seeds presented by the Botanical Gardens, University of Oslo, Oslo. Received Apr. 30, 1964.

297330. *AGROSTIS TENUIS* Sibth. Gramineae. Colonial bentgrass.

297331. *ALOPECURUS ARUNDINACEUS* Poir. Gramineae.

297332. *ARABIS PROCURRENS* Waldst. & Kit. Cruciferae.

297333. *ARENARIA GOTHICA* Fries Caryophyllaceae.

297334. *ARENARIA SERPYLLIFOLIA* Linn.

Kringen by Otta, Sel, Oppland.

297335. *ASTRAGALUS CICER* L. Leguminosae.

297336. *ASTRAGALUS FALCATUS* Lam.

297337. *ASTRAGALUS GLYCYPHYLLOS* L.

The island Nesoya, Asker, Akershus.

297338. *CERASTIUM BIEBERSTEINII* DC. Caryophyllaceae. Taurus cerastium.

297339. *CERASTIUM TOMENTOSUM* L.

297340 and 297341. *DESCHAMPSIA CAESPITOSA* (L.) Beauv. Gramineae. Tufted hairgrass.

297340. No. 1. No data.

297341. No. 2. Kongsvoll, Oppdal, Sor-Trondelag.

297330 to 297381—Continued

- 297342 and 297343. *DESCHAMPSIA FLEXUOSA* (L.) Trin. Crinkled hairgrass.
297342. No. 1. No data.
297343. No. 2. Hauer seter, Ullensaker, Akershus.
- 297344 and 297345. *ELYMUS ARENARIUS* L. Gramineae. European dunegrass.
297344. No. 1. No data.
297345. No. 2. The island Oustoya, Baerum, Akershus.
297346. *FESTUCA ALTISSIMA* All. Gramineae.
297347. *FESTUCA ELATIOR* L. Meadow fescue.
The island Nesoya, Asker, Akershus.
297348. *FESTUCA GIGANTEA* (L.) Vill. Great fescue.
297349. *FESTUCA OVINA* L. Sheep fescue.
297350. *FESTUCA OVINA* var. *GLAUCA* (Lam.) Koch
297351. *FESTUCA RUBRA* L. Red fescue.
297352. *FESTUCA TRACHYPHYLLA* (Hackel) Kraj.
297353. *FESTUCA VARIA* Haenke
297354. *LATHYRUS JAPONICUS* Willd. Leguminosae.
297355. *LATHYRUS NIGER* (L.) Bernh. Black peavine.
297356. *LATHYRUS PISIFORMIS* L.
297357. *LATHYRUS SYLVESTRIS* L. Flat peavine.
The island Nesoya, Asker, Akershus.
297358. *LATHYRUS VERNUS* (L.) Bernh.
297359. *LYCIUM CHINENSE* Mill. Solanaceae. Chinese matrimony-vine.
297360. *LYCIUM VULGARE* Dun.
297361. *MISCANTHUS SACCHARIFER* Benth. Gramineae.
297362. *PHALARIS ARUNDINACEA* L. Gramineae. Reed canarygrass.
Onsoy, Ostfold.
297363. *POA COMPRESSA* L. Gramineae. Canada bluegrass.
The island Kalvoja, Baerum, Akershus.
- 297364 and 297365. *POA NEMORALIS* L. Gramineae. Wood bluegrass.
297364. No. 1. No data.
297365. No. 2. Kongsvoll, Oppdal, Sor-Trondelag.
297366. *POTENTILLA ARGYROPHYLLA* var. *ATROSANGUINEA* (Lodd.) Hook.
Rosaceae.
297367. *POTENTILLA ANDICOLA* Benth.
297368. *POTENTILLA BUCCOANA* Clem.
297369. *POTENTILLA NEPALENSIS* Hook.
297370. *POTENTILLA RECTA* L.
297371. *POTENTILLA RUPESTRIS* Linn.
297372. *SANGUISORBA OFFICINALIS* L. Rosaceae.
297373. *SEDUM AIZOON* L. Crassulaceae. Aizoon stonecrop.
297374. *SEDUM ELLACOMBIANUM* Praeger

297330 to 297381—Continued297375. *SEDUM HYBRIDUM* L.297376. *SEDUM ROSEUM* (L.) Scop.

Roseeroot stonecrop.

Kongsvoll, Oppdal, Sor-Trondelag.

297377. *SEDUM TELEPHIUM* var. *MAXIMUM* Suter

The island Bronnoya, Asker, Akershus.

297378. *SEDUM TELEPHIUM* var. *PURPURASCENS* Hort.297379. *TRIFOLIUM FRAGIFERUM* L. Leguminosae.

Strawberry clover.

297380. *TRIFOLIUM LUPINASTER* L.297381. *TRIFOLIUM MEDIUM* Huds.

Zigzag clover.

297382 and 297383. WATSONIA (hybrids). Iridaceae.

From the Republic of South Africa. Bulbs presented by the Fruit and Food Technology Research Institute, Stellenbosch. Received May 1, 1964.

297382. Pink 17-18.

297383. Salmon 59-131-D.

297384 to 297386.

From Japan. Stolons presented by the Shikoku Agricultural Experiment Station, Ministry of Agriculture and Forestry, Kagawa, Shikoku. Received May 4, 1964.

297384. *LESPEDEZA PILOSA* (Thunb.) Sieb. & Zucc. Leguminosae.297385. *LESPEDEZA SERPENS* Nakai297386. *LESPEDEZA VIRGATA* (Thunb.) DC.**297387. PINUS SYLVESTRIS** L. Pinaceae.

Scotch pine.

From Germany. Plants presented by A. Hesse, Weener. Received May 4, 1964.

'Argentea compacta'.

297388. ALHAGI PSUEDALHAGI (Bieb.) Desv. ex Skeels.

Leguminosae.

Camelthorn.

From Australia. Seeds presented by the Department of Agriculture, South Perth. Received May 6, 1964.

297389 to 297397. ARACHIS HYPOGAEA L. Leguminosae.

From Vietnam. Seeds presented by the United States Operations Mission, Saigon. Received May 4, 1964.

297389. 'Coc Già Dinh'. South Vietnam.

297390. 'Giay Bien Hoa'. South Vietnam.

297391. 'Mo Ket Bien Hoa'. South Vietnam.

297392. 'Mo Ket Tay Ninh'. South Vietnam.

297393. 'Rang Bien Hoa'. South Vietnam.

297394. 'Tainan No. 6'. From Taiwan.

297395. 'Tainan No. 7'. From Taiwan.

297396. 'Tainung No. 1'. From Taiwan.

297397. 'Tu-Quy'. South Vietnam.

297398. HIBISCUS FURCATUS Willd. Malvaceae.

From India. Seeds presented by the Botanical Survey of India, Calcutta. Received May 5, 1964.

Collected at Coimbatore.

297399 to 297406. ZEA MAYS L. Gramineae.

From the Republic of South Africa. Seeds presented by the Division of Plant and Seed Control, Department of Agricultural Technical Services, Pretoria. Received May 5, 1964.

297399. DL/64/276. G31.
 297400. DL/64/277. G 35.
 297401. DL/64/278. A 198.
 297402. DL/64/279. 'Mex 37-5'.
 297403. DL/64/280. URG 54-5.
 297404. DL/64/281. URG 54 × 'Storey'.
 297405. DL/64/282. A198 × M 37-5W × G 31 × 'Storey'.
 297406. DL/64/283. (M155 × URG 54) × (A21 × A198) G 31.

297407 to 297410. HORDEUM VULGARE L. Gramineae.

From Sweden. Seeds presented by the Weibullsholm Plant Breeding Institute, Landskrona. Received May 5, 1964.

Spring barleys.

297407. 'Balder J'. A Finnish variety.
 297408. 'Delta'. A Netherlands variety.
 297409. 'Weibull's No. 5853'.
 297410. 'Weibull's Original Arla'. No. 5673.

297411 to 297421.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 5, 1964.

297411. ISOPYRUM FUMARIOIDES L. Ranunculaceae.

Omsk region.

297412 to 297421. TARAXACUM KOK-SAGHYZ Rodin Compositae. Dandelion.

297412. No. 139. Voronez region.
 297413. No. 154. Taldy-Kurgan. Kazakhstan.
 297414. No. 183. Kiev region, the Ukraine.
 297415. No. 229. Sumy region, the Ukraine.
 297416. No. 266. Sumy region, the Ukraine.
 297417. No. 403. Kharkov region, the Ukraine.
 297418. No. 467. Chernigov region, the Ukraine.
 297419. No. 723. Tetaria.
 297420. No. 1129. Vladimir region.
 297421. No. 1230. Kazakhstan.

297422 to 297424.

From Great Britain. Seeds presented by the Royal Botanic Garden, Kew, Surrey, England. Received May 5, 1964.

297422. SAMBUCUS CANADENSIS L. Caprifoliaceae. American elder.
 No. 545.
 297423. SAMBUCUS NIGRA f. ALBA (West.) Rehder European elder.
 No. 546.
 297424. SAMBUCUS RACEMOSA L. European red elder.
 No. 548.

297425 to 297427.

From the Union of Soviet Socialist Republics. Cuttings presented by Central Asia Scientific Research Institute of Forestry through the All-Union Institute of Plant Industry, Leningrad. Received Apr. 8, 1964. Numbered May 5, 1964.

297425. ULMUS (hybrid). Ulmaceae.

No. 1. *U. pumila* var. *arborea* × *U. densa*. Seedling No. 195, resistant to *Graphium ulmi*.

297426 and 297427. ULMUS PUMILA var. ARBOREA Litv. Elm.

297426. No. 2.

297427. No. 3. Fast growing form No. 133Y.

297428 and 297429. POA PRATENSIS L. Gramineae.**Kentucky bluegrass.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Geneva, N. Y. Numbered May 5, 1964.

Via Denmark and SCS Nursery, Idaho. Seedling vigor good to excellent; plants dwarf, strong spreader, hardy in northern states; leaves short, dark green, similar to 'Merion', but seeds mature later. Tolerant to rust and powdery mildew.

297428. No. 5012-A. Seeds mature 10-14 days after 'Merion'.

297429. No. 5012-B. Seeds mature 12 days after 'Merion'.

297430. DICHANTHIUM ARISTATUM (Poir.) C. E. Hubb.

Gramineae.

Angleton grass.

From the Philippines. Seeds presented by the Central Experiment Station, Laguna. Received May 5, 1964.

'Alabang X'.

297431 to 297447.

From Brazil. Seeds presented by E. Ribas, Curitiba, Parana, via the United States Department of State. Received May 5, 1964.

297431. CAESALPINIA PELTOPHOROIDES Benth. Leguminosae.

297432. CASSIA GRANDIS L. f. Leguminosae. Pink shower.

297433. CASSIA MULTIJUGA L. C. Rich

297434. CASUARINA sp. Casuarinaceae.

297435. CEDRELA sp. Meliaceae.

297436. CHORISIA SPECIOSA St. Hil. Bombacaceae. Floss-silk tree.

297437. COLUBRINA RUFA Reiss. Rhamnaceae.

297438. COURATARI ESTRELLENSIS Raddi Myrtaceae.

297439. DELONIX REGIA (Boj.) Raf. Leguminosae. Royal poinciana.

297440. DIOSPYROS JURUENSIS A. C. Smith Ebenaceae.

297441. LAFOENSIA GLYPTOCARPA Koehne Lythraceae.

297442. LIGUSTRUM sp. Oleaceae.

297443. METRODOREA PUBESCENS St. Hil. & Tul. Rutaceae.

297444. PAIVAEA LANGSDORFFII Berg Myrtaceae.

297445. PTEROGYNE NITENS Tulasne Leguminosae.

297446. TIBOUCHINA MUTABILIS Congn. Melastomataceae.

297447. (Undetermined.)

'Bombira'.

297448 to 297454.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 6, 1964.

297448. *TRIFOLIUM STRICTUM* L. Leguminosae.

C.P.I. 14740. Annual.

297449 to 297454. *RUBUS PARVIFLORUS* Nutt. Rosaceae.

White flowering raspberry.

All are from Tasmania.

297449. No. 1. The Bluff, Devonport, north coast.

297450. No. 2. East Devonport, north coast.

297451. No. 3. Gunn's Plains, 30 miles from north coast.

297452. No. 4. Dunes near Coswell, east coast.

297453. No. 5. Pardoe, north coast.

297454. No. 6. Coswell Creek, east coast. Drupelets solitary, large; receptacle red, fleshy.

297455 to 297460.

From Spain. Seeds presented by the Institute Nacional para la Produccion de Semillas Selectos, Madrid. Received May 6, 1964.

297455. *CAPSICUM ANNUM* L. Solanaceae.

Pimento.

Large ("Largo") pepper from Reus.

297456. *CAPSICUM ANNUM* L.

Large ("Grande") pepper from Reus.

297457. *CAPSICUM ANNUM* L.

Cowshead pepper ("Morro de Vaca").

297458. *CAPSICUM ANNUM* L.

Large sweet preserving pepper from Catalana.

297459. *CAPSICUM ANNUM* L.

Large sweet preserving pepper from the Levant.

297460. *CAPSICUM ANNUM* L.

Large Valencia pepper.

297461 to 297474. *CAPSICUM ANNUM* L. Solanaceae. Pimento.

From Hungary. Seeds presented by the Orszagos Agrobotanikai, Tapioszele. Received May 6, 1964.

297461. 'Cayene'.

297462. 'Dokomlasi 640'.

297463. 'Dunajska'.

297464. 'Gogosari'.

297465. 'Kalocsai 321'.

297466. 'Paradicsomalaku Feher'.

297467. 'Paradicsomalaku Zold'.

297468. 'Plovdivski Jus'.

297469. 'Schumerski Ratund'.

297470. 'Szegedi Csipmentes 47-25'.

297471. 'Szegedi Csipmentes 47-75'.

297461 to 297474—Continued

297472. 'Szegedi Csipmentes 47-149'.

297473. 'Varszegi I'.

297474. 'Weiner Calvill'.

297475 to 297481. HELIANTHUS ANNUUS L. Compositae.**Sunflower.**

From France. Seeds presented by the Centre Technique Interprofessionnel des Oleagineux Metropolitains, Paris. Received May 6, 1964.

Seeds black.

297475. A 9345.

297479. 'Smena'.

297476. C 1957.

297480. V 8883.

297477. 'Peredovick'.

297481. V 8931.

297478. 'Tennisel'.

297482 to 297496.

From India. Seeds presented by the Karnatak Science College, Dharwar. Received May 7, 1964.

297482. CAPSICUM sp. Solanaceae.

No. 37. From Saharanpur, Orissa. Ornamental type.

297483. CAPSICUM sp.

No. 56b. From Sharanpur, Orissa. Ornamental type.

297484. CAPSICUM sp.

No. 79. From Sharanpur, Orissa. Ornamental type.

297485. CAPSICUM sp.

No. 95. From Sharanpur, Orissa. Ornamental type.

297486. CAPSICUM sp.

No. A123. From Guntur, Madras.

297487. CAPSICUM sp.

No. A-125. From Guntur, Madras.

297488. CAPSICUM sp.

No. A-126. From Guntur, Madras.

297489. CAPSICUM sp.

No. A-158. From Guntur, Madras.

297490. CAPSICUM sp.

No. C-1. From Guntur, Madras.

297491. CAPSICUM sp.

No. C-6. From Guntur, Madras.

297492. CAPSICUM sp.

No. C-20. From Guntur, Madras.

297493. CAPSICUM sp.

No. C-21. From Guntur, Madras.

297494. CAPSICUM sp.

No. C-81. From Guntur, Madras.

297495. CAPSICUM sp.

No. G-2. From Guntur, Madras.

297496. CAPSICUM sp.

No. G-3. From Guntur, Madras.

297497 to 297552. GLYCINE MAX (L.) Merrill. Leguminosae.
Soybean.

From Hungary. Seeds presented by the Orsagos Agrobotanikai Intezet,
Tapioszele. Received May 7, 1964.

- 297497. 'Amurszkaja 41'. II-2-397.
- 297498. 'Amurszkaja 154'. II-2-28.
- 297499. 'Ca-chua No. 4'. II-2-528.
- 297500. 'Charbinszkaja 111'. II-2-43.
- 297501. 'Cina 50-6268'. II-2-527.
- 297502. 'Cina 496-079'. II-2-550.
- 297503. 'Cina 6268'. II-2-618.
- 297504. 'CJzi-ti No. 3'. II-2-537.
- 297505. 'Czi-ti No. 5'. II-2-493.
- 297506. 'Czy-chua No. 1'. II-2-533.
- 297507. 'Czy-chua No. 1'. II-2-567.
- 297508. 'Cchua No. 4'. II-2-555.
- 297509. 'Czyn Juan No. 2'. II-2-536.
- 297510. 'Dchi-ti'. II-2-291.
- 297511. 'Dun-nun'. II-2-15.
- 297512. 'Harkovszkaja'. II-2-168.
- 297513. 'Hartinskaja'. II-2-19.
- 297514. 'Hei-ch'i'. II-2-68.
- 297515. 'Iregi GM/1'. II-2-480.
- 297516. 'Iregi I. Sz. 1'. II-2-409.
- 297517. 'Iregi Korona'. II-2-2.
- 297518. 'Iregi Nagyszemu Feher'. II-2-278.
- 297519. 'Iregi Szurkebarat'. II-2-1.
- 297520. 'Iregi Universal'. II-2-12.
- 297521. 'Irszuriszkaja'.
- 297522. 'Izj-hua'. II-2-17.
- 297523. 'Juanj-bao-tsinj'. II-2-241.
- 297524. 'Ke-Schuan'. II-2-234.
- 297525. 'Ke-si No. 283'. II-2-546.
- 297526. 'Keszthelyi Aprozemu Sarga'. II-2-82.
- 297527. 'Kina'. II-2-265.
- 297528. 'Kou-tchen-do'. II-2-294.
- 297529. 'Kuban'. II-2-191.
- 297530. 'Kubanszkaja 276'. II-2-84.
- 297531. 'Kujbisevszkaja'. II-2-540.
- 297532. 'Mandarin 2'. II-2-94.
- 297533. 'Man-di-czin'. II-2-552.
- 297534. 'Mandurska 1'. II-2-95.
- 297535. 'Mandurska 2'. II-2-96.
- 297536. 'Mandzus I'. II-2-270.

297563. PICEA PURPUREA Masters. Pinaceae. Norway spruce.

From France. Seeds presented by the Arboretum des Barres, Loiret. Received May 8, 1964.

297564. CARYOPTERIS DIVARICATA Maxim. Verbenaceae.

From Germany. Seeds presented by the Botanischer Garten, Munchen-Nymphenburg. Received May 8, 1964.

297565. TRIOSTEUM SINUATUM Maxim. Caprifoliaceae.

From Canada. City of Montreal Botanical Garden, Montreal. Received May 8, 1964.

297566 and 297567. PHYTOLACCA DIOICA L. Phytolaccaceae. Ombutree pokeberry.

From Argentina. Seeds presented by the Ministry of Agriculture, Buenos Aires. Received May 8, 1964.

297566. Deip 1.831.

297567. No data.

297568 to 297583. ORYZA SATIVA L. Gramineae. Rice.

From Pakistan. Seeds presented by the United States Agency for International Development, Karachi. Received May 8, 1964.

297568. D.A. 31.

297576. 'Kataktara'.

297569. 'Dharial'.

297577. 'Latisail'.

297570. 'Dular'.

297578. 'Marichbati'.

297571. 'Galema'.

297579. 'Naizersail'.

297572. 'Haleignuj Aman II'.

297580. 'Patnai 23'.

297573. 'Haleignuj Aman IV'.

297581. 'Panleira'.

297574. 'Haleignuj Aman V'.

297582. S.R. 26.

297575. 'Hashikalmi'.

297583. 'Tilakkachari'.

297584 to 297603.

From Czechoslovakia. Seeds presented by the Arboretum, Academia Scientiarum Cechoslovaca, Mlynany Sav. Received May 11, 1964.

297584. COTONEASTER ADPRESSA Bois. Rosaceae. Creeping cotoneaster.
No 54.

297585. COTONEASTER BULLATA Bois
No. 55.

297586. COTONEASTER BUXIFOLIA Wall. ex Lindl.
No. 56.

297587. COTONEASTER DIELSIANA E. Pritz. Diels cotoneaster.
No. 57.

297588. COTONEASTER DIVARICATA Rehd. & Wils. Spreading cotoneaster.
No. 58.

297589. COTONEASTER FRANCHETII Bois Franchet cotoneaster.
No. 59.

297590. COTONEASTER HENRYANA (C. Schneid.) Rehd. & Wils.
No. 60.

297591. COTONEASTER HORIZONTALIS Decaisne. Rock cotoneaster.
No. 61.

297584 to 297603—Continued

297592. *COTONEASTER LUCIDA* Schlecht.
No. 62.
297593. *COTONEASTER MELANOCARPA* Lodd.
No. 63.
297594. *COTONEASTER MICROPHYLLA* Wall. ex Lindl. **Rockspray cotoneaster.**
No. 64.
297595. *COTONEASTER MOUPINENSIS* Franch. **Mupin cotoneaster.**
No. 65.
297596. *COTONEASTER MULTIFLORA* Bunge.
No. 66.
297597. *COTONEASTER RACEMIFLORA* (Desf.) Koch
No. 67.
297598. *COTONEASTER ROTUNDIFOLIA* Wall. ex Lindl. **Roundleaf cotoneaster.**
No. 68.
297599. *COTONEASTER SALICIFOLIA* Franchot. **Willowleaf cotoneaster.**
No. 69.
297600. *COTONEASTER SIMONSII* Baker **Simons cotoneaster.**
No. 70.
297601. *COTONEASTER TOMENTOSA* (Ait.) Lindley
No. 71.
297602. *COTONEASTER ZABELI* C. Schneid.
No. 72.
297603. *SORBUS AUCUPARIA* var. *EDULIS* Dieck ex Rehder **Rosaceae.**
No. 215.

297604 to 297606.

From the Union of Soviet Socialist Republics. Seeds presented by the Nikitens Botanic Garden, Yalta, Taurica (Crimea). Received May 12, 1964.

297604. *PINUS HALEPENSIS* var. *PITYUSA* (Stev.) Gordon **Pinaceae.**
From native habitat, Cape Petzunda, Black Sea coast, Caucasus. Elevation 20–40 meters. Seeds collected December 1963.
297605. *PINUS NIGRA* var. *CARAMANICA* (Loud.) Rehd.
From native habitat, mountain forest, southern coast of Crimea. Elevation 300 meters. Seeds collected February 1964.
297606. *PINUS STANKEWICZII* (Suk.) Fom.
From native habitat, near Sudak, southern Crimea. Elevation 5–50 meters. Seeds collected January 1964.

297607 to 297623.

From Colombia. Seeds presented by the Instituto Colombiano Agropecuario, Bogota. Received May 12, 1964.

- 297607 to 297621. *PANICUM MAXIMUM* Jacq. **Gramineae.** **Guineagrass.**
297607. No. 30. 'Guinea Borinquen'. Via Puerto Rico.
297608. No. 32. 'Guinea Q 3457'. Via Australia.

297607 to 297623—Continued**297607 to 297621—Continued**

297609. No. 33. 'Guinea Regular'. Via Puerto Rico.
 297610. No. 35. 'Guinea Broadleaf Erecta'. Via Puerto Rico.
 297611. No. 36. 'Guinea Colonia'. Via Tanganika.
 297612. No. 37. 'Guinea Broadleaf Postrada'. Via Puerto Rico.
 297613. No. 40. 'Guinea Fine Leaf'. Via Puerto Rico.
 297614. No. 41. 'Guinea Africa'. Via Venezuela.
 297615. No. 42. 'Guinea Gramalote'. Via Venezuela.
 297616. No. 43. 'Guinea Gramalote'. Via Puerto Rico.
 297617. No. 44. 'Guinea Q 2956-7840'. Via Australia.
 297618. No. 45. 'Guinea Q 2958-7840'. Via Australia.
 297619. No. 46. 'Guinea Capin Murumbo'. Via Brazil.
 297620. No. 49. 'Guinea Pajarita'. Via Colombia.
 297621. No. 51. 'Guinea Saboya o India'. Via Colombia.

297622 and 297623. PANICUM MAXIMUM var. TRICHOGLUME Eyles
 Green panicgrass.

297622. No. 38. 'Guinea Q. 2966-8387'.

297623. No. 39. 'Guinea Commercial'. Via Australia.

297624 to 297738. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From Portugal. Seeds presented by the Estacio de Melhoramento de Plantas, Elvas. Received April 10, 1964. Numbered May 12, 1964.

<i>P.I. No.</i>	<i>Portuguese entry No.</i>	<i>Designation</i>
297624.	2573.	'Canoco, 0277'.
297625.	2582.	'Mestico, 0222'.
297626.	2590.	'Almadense, 09'.
297627.	2601.	'Galego Miudo'.
297628.	2616.	'Belem'.
297629.	2619.	'Barbela, 0248'.
297630.	2675.	'Argelino Ou Macho Branco 12323'.
297631.	2676.	'Almadense, 2709'.
297632.	2677.	'Almadense, 3477'.
297633.	2678.	'Bento, 10012'.
297634.	2679.	'Estacao 2727'.
297635.	2683.	'Mocho Cabecudo 9096'.
297636.	2684.	'Mocho Ou Rapado 3869'.
297637.	2786.	'San Tareno 3490'.
297638.	2687.	'Alentejano 2710'.
297639.	2695.	'Mocho de Espiga Ruiva 11576'.
297640.	2697.	'Centeio 3567'.
297641.	2698.	'Da Grecia 5492'.
297642.	2699.	'Da Grecia 5796'.
297643.	2700.	'Acares 2535'.
297644.	2701.	'Barbela A2063'.

297624 to 297738—Continued

<i>P.I. No.</i>	<i>Portuguese entry No.</i>	<i>Designation</i>
297645.	2704.	'Barbela B3439'.
297646.	2706.	'Barbela B11730'.
297647.	2708.	'Barbela C7333'.
297648.	2716.	'Bejense 2851'.
297649.	2719.	'Elvense 2722'.
297650.	2721.	'Magueija de Calmo Cheio, 3665'.
297651.	2724.	'Mole Algarvio, 9012'.
297652.	2725.	'Portugues 2095'.
297653.	2726.	'Portugues 2565'.
297654.	2731.	'Sacho, 5625'.
297655.	2732.	'Sacho, 5966'.
297656.	2733.	'Sado, 3762'.
297657.	2734.	'Transmontano, 2762'.
297658.	2738.	'Tremes de Tavira, 2610'.
297659.	2741.	'Da Grecia Ruivo, 2650'.
297660.	2742.	'Barbado, 2714'.
297661.	2745.	'Belem, 2733'.
297662.	2746.	'Belem, 2814'.
297663.	2752.	'Guaditano, 2818'.
297664.	2757.	'Liz, 2735'.
297665.	2758.	'Luso, 2740'.
297666.	2759.	'Luso, 3478'.
297667.	2760.	'Mestico, 2742'.
297668.	2761.	'Precoce, 2588'.
297669.	2762.	'Precoce, 3553'.
297670.	2763.	'Precoce, 12755'.
297671.	2764.	'Ruivo Precoce, A2204'.
297672.	2765.	'Ruivo Precoce, 2585'.
297673.	2766.	'Ruivo Precoce, 6024'.
297674.	2767.	'Ruivo Tardio, A11695'.
297675.	2768.	'Ruivo Tardio, 12559'.
297676.	2769.	'Ruivo Tardio, 12584'.
297677.	2771.	'Ruivo Tardio, 11686'.
297678.	2772.	'Ruivo, B11741'.
297679.	2773.	'Saloio, 2753'.
297680.	2774.	'Saloio, 2865'.
297681.	2775.	'Serrano, 3474'.
297682.	2779.	'Transtagano, 3780'.
297683.	2780.	'Tremes Arrocheado, 2013'.
297684.	2782.	'Tremes Ruivo, 2073'.
297685.	2783.	'Tremes Ruivo, 5991'.

297624 to 297738—Continued

<i>P. I. No.</i>	<i>Portuguese entry No.</i>	<i>Designation</i>
297686.	2784.	'Funchal, 2037'.
297687.	2785.	'Mirandes, 11623'.
297688.	2787.	'Barbaro, 2849'.
297689.	2798.	'Cascalvo, 11746'.
297690.	2802.	'Canoco, 3901'.
297691.	2805.	'Argelino, 12566'.
297692.	2806.	'Argelino, 12757'.
297693.	2807.	'Canoco de Grao Escuro, 2263'.
297694.	2808.	'Canoco de Grao Escuro, 2265'.
297695.	2821.	'Pombinho, 2283'.
297696.	2822.	'Pombinho, 2622'.
297697.	2823.	'Pombinho, 6758'.
297698.	2830.	'Asa de Corvo, 5279'.
297699.	2853.	'Pardaleiro, 13489'.
297700.	2860.	'Durazio Molar Glabro, 5486'.
297701.	2862.	'Durazio Molar Glabro, 11763'.
297702.	2870.	'Lobeiro Ruivo, 10971A'.
297703.	2887.	'Preto Algarivo, 10026'.
297704.	2896.	'Preto de Tavira, 11659'.
297705.	2911.	'Alexandre Ou Macarauco, 10991'.
297706.	2933.	'Tomarense, 2830'.
297707.	2934.	'Espanhol Mocho, 8856'.
297708.	2935.	'Espanhol Chamorro, 8195'.
297709.	2936.	'Gentil, 3565'.
297710.	2937.	'Australiano de Espiga Branca, 3456'.
297711.	3130.	'Precoce, 13504'.
297712.	3159.	'Arouca, 3828A'.
297713.	3792.	'Serodio' (Tremes).
297714.	3817.	'Mocho de Espiga Ruivo, 4312'.
297715.	3821.	'St. Vicente'.
297716.	3822.	'Da Piedade'.
297717.	3831.	'Regional Mocho'.
297718.	2958A.	'Rosario'.
297719.	2959A.	'Garrido'.
297720.	2960A.	'Varrasco'.
297721.	2972A.	'Raiano'.
297722.	2974A.	'Peninsular'.
297723.	2976A.	'Condestavel'.
297724.	2977A.	'Gil Vaz'.
297725.	2978A.	'Moreno'.
297726.	2979A.	'Sagres'.
297727.	2981A.	'Salvador'.
297728.	2985A.	'Azizah 49'.

297624 to 297738—Continued

<i>P. I. No.</i>	<i>Portuguese entry No.</i>	<i>Designation</i>
297729.	3327A.	'Roma Branco'.
297730.	3491A.	'Indiano Mocho, 6296' × 'A1s'.
297731.	3508A.	'Tremes Preto de Grao Ambarino' (V. Vivo).
297732.	3522A.	'Revez'.
297733.	3556A.	'Somora'.
297734.	3558A.	'Padeira'.
297735.	3613A.	'Rural'.
297736.	3614A.	'Cava Quinho'.
297737.	3624A.	'Mucaba-I'.
297738.	3625A.	'Mucaba-II'.

297739 to 297790. LENS CULINARIS Medic. Leguminosae.

Lentil.

From Greece. Seeds presented by the American Embassy, Athens. Received May 12, 1964.

Collected at Larissa, May 1963, unless otherwise noted.

297739 to 297755. Varieties bred at the Institute for Fodder Crops, Larissa.

297739.	F-1.	297748.	F-30.
297740.	F-15.	297749.	F-31.
297741.	F-18.	297750.	F-32.
297742.	F-21.	297751.	F-33.
297743.	F-22.	297752.	F-34.
297744.	F-24.	297753.	F-35.
297745.	F-26.	297754.	F-36.
297746.	F-28.	297755.	F-37.
297747.	F-29.		

297756. M-1956 Provencer Linze from Germany.

297757. M-3439 Local of Arahova.

297758. M-5753 Local from Larissa.

297759. M-6017 Lentil petite blanche Syrie precoce from Alger.

297760. M-6022 L. B. Redjzr from Alger.

297761. M-6110 Local from Egleuvi.

297762. M-6151 Local from Heani.

297763. M-6152 Local from Lassion-Rodopis.

297764. M-6153 Local from Paleohorion-Karditsa.

297765. M-6154 Local from Korynos-Kastorias.

297766. M-6155 Local from Lahania-Redos.

297767. M-6157 Local from Kavakli-Redopis.

297768. M-6158 Local from Evrenou-Redopis.

297769. M-6159 Local from Lahania-Redos.

297770. M-6274 Local from Pella-Giannitsa.

297771. M-6275 Local from Dara.

297799 to 297813—Continued

297772. M-6743 Local from Arfaren-Kalamen.
 297773. M-6744 Local from St. Irene-Kefallinia.
 297774. M-6745 Local from Oreskia-Serres.
 297775. M-6747 Local from Perdikovrisi-Arkadia.
 297776. M-6752 Local from Ahladini-Ilias.
 297777. M-6759 Local from Dafni-Serres.
 297778. M-7455 Local from Ptolemais.
 297779. M-8029 Local from Orecastron-Ionninon.
 297780. M-8030 Local from Pegeniani-Ionninon.
 297781. M-8039 Local from Haifa-Israel. May 1962.
 297782. M-8201 Ervum lens from Turkey.
 297783. M-8258 Ethiopian red lentil.
 297784. M-8465 Kenitra-petite verte No. 1, Mareo.
 297785. M-8466 Seuk-et-Tleta ete Safi No. 24, Mareo.
 297786. M-8752 var. nummularia from Russia.
 297787. M-8753 var. violascens from Russia.
 297788. M-8881 Medik, Pallagi kek, from Hungaria.
 297789. M-9087 Local from Pyrgi-Kefallinias.
 297790. M-9176 Local from Molle-Kefallinias.

297791 to 297796.

From Colombia. Plants presented by the Centro Nacional de Investigaciones Agrícolas, Medellín. Received May 13, 1964.

297791. TRIPSACUM sp. Gramineae.
 No. 3. Cundinamarca-Rio Dulce entre Villeta y Sasima.
 297792. TRIPSACUM sp.
 No. 5. Cundinamarca-El Armadillo.
 297793. TRIPSACUM sp.
 No. 6. Cundinamarca-Tamarindo. Mpio de Viota.
 297794. TRIPSACUM sp.
 No. 7. Huila-El Dinde-Rio Paez. La Plata.
 297795. TRIPSACUM sp.
 No. 8. Meta-Hda. Siberia-Kmtro. 192.
 297796. TRIPSACUM sp.
 No. 15. Santander Del S. Guacharacas (Guepsa-Suaita).

297797 and 297798. LENS CULINARIS Medic. Leguminosae.**Lentil.**

From Yugoslavia. Seeds presented by the Agricultural Attache, Belgrade. Received May 13, 1964.

297797. Purchased at a grocery store in Belgrade.
 297798. Purchased at the open market in Novi Sad. Grown by a farmer at Maradik, Novi Sad district.

297799 to 297813. ZEA MAYS L. Gramineae.

From Colombia. Seeds presented by the El Centro Nacional de Investigaciones Agropecuarias, Medellín. Received May 13, 1964.

297799. 'Bolivia 670-6'. TI. 62

297739 to 297790—Continued

297800. 'Bolivia 957-6'. TI. 62
 297801. 'Bolivia 1104-6'. TI. 62
 297802. 'Bolivia 310-7'. TI. 62
 297803. 'Bolivia 360-7'. TI. 62
 297804. 'Bolivia 478-7'. TI. 62
 297805. 'Bolivia 873-6'. TI. 62
 297806. 'Bolivia 972-6'. TI. 63
 297807. 'Bolivia 873-6'. TI. 63
 297808. 'Ecuador 424-8'. TI. 63
 297809. 'Ecuador 387-7'. TI. 63
 297810. 'Ecuador 598-7'. TI. 63
 297811. 'Peru 1178-6'. TI. 63
 297812. 'Peru 760-7'. TI. 63
 297813. 'Peru 808-7'. TI. 63

297814 to 297821. ORYZA SATIVA L. Gramineae. Rice.

From India. Seeds presented by the Central Rice Research Institute, Cuttack-4. Received May 13, 1964.

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|-------------------|-------------------|
| 297814. Ac. 533. | 297818. Ac. 1613. |
| 297815. Ac. 1337. | 297819. Ac. 1730. |
| 297816. Ac. 1423. | 297820. Ac. 2489. |
| 297817. Ac. 1443. | 297821. B.J. 1. |

297822 to 297825. AVENA SATIVA L. Gramineae. Common oats.

From Sweden. Seeds presented by the Weibullsholm Plant Breeding Institute, Landskrona. Received May 13, 1964.

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|--------------------------|---------------------------|
| 297822. 'Bambuhavre II'. | 297824. 'Havre Brighton'. |
| 297823. 'Diamanthavre'. | 297825. 'Penderhavre'. |

297826 and 297827. CYNODON DACTYLON (L.) Pers. Gramineae.

From Israel. Stolons collected by J. R. Harlan, Oklahoma State University, Stillwater. Received May 13, 1964.

297826. No. 29. In wadi filled with loess with sand overlay, 15 km. south of Beersheba, Negev. May 8, 1964.
 297827. No. 41. In wadi on desert floor below escarpment of Ramon erosion cirque, about 6 miles south of Mitzpe Ramon. May 8, 1964.

297828 to 297862.

From Ethiopia. Seeds collected by E. L. Smith, United States Agency for International Development, Addis Ababa. Received Apr. 29, 1964. Numbered May 14, 1964.

- 297828 and 297829. TRITICUM AESTIVUM L. Gramineae. Common wheat.
 Guddar, 140 km. west of Addis Ababa. Elevation 2,740 meters.
 297828. ELS-6304-5-A.
 297829. ELS-6304-5-B.
 297830. TRITICUM DIOCOCCUM Schrank Emmer.
 ELS-6404-9-B. Near Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters.

297828 to 297862—Continued

297831 to 297857. TRITICUM DURUM Desf. Durum wheat.

297831. ELS-6304-1. Bulk seed sample. Saka market, near Jimma. Elevation 2,375 meters.

Ambo, 115 km. west of Addis Ababa. Elevation 1,980 meters.

297832. ELS-6304-3-A. **297835.** ELS-6304-3-D.

297833. ELS-6304-3-B. **297836.** ELS-6304-3-E.

297834. ELS-6304-3-C.

Between Ambo and Addis Ababa, 60 km. west of Addis Ababa. Elevation 2,130 meters.

297837. ELS-6304-4-A.

297838. ELS-6304-4-B.

Near Akaki, 20 km. southeast of Addis Ababa. Elevation 2,285 meters.

297839. ELS-6304-6-A.

297840. ELS-6304-6-B.

297841. ELS-6304-6-C.

Near Dukem, 30 km. southeast of Addis Ababa. Elevation 1,980 meters.

297842. ELS-6304-7-A. **297846.** ELS-6304-7-E.

297843. ELS-6304-7-B. **297847.** ELS-6304-7-F.

297844. ELS-6304-7-C. **297848.** ELS-6304-7-G.

297845. ELS-6304-7-D.

Near Akaki, 15 km. southeast of Addis Ababa. Elevation 2,375 meters.

297849. ELS-6304-8-A. **297852.** ELS-6304-8-D.

297850. ELS-6304-8-B. **297853.** ELS-6304-8-E.

297851. ELS-6304-8-C.

Modjo, 70 km. southeast of Addis Ababa. Elevation 1,675 meters.

297854. ELS-6404-2-A.

297855. ELS-6404-2-B.

Near Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters.

297856. ELS-6404-9-A.

297857. ELS-6404-9-C.

297858 to 297862. TRITICUM TURGIDUM L. Poulard wheat.

297858. ELS-6304-3-F. Ambo, 115 km. west of Addis Ababa. Elevation 1,980 meters.

297859. ELS-6304-6-D. Near Akaki, 20 km. southeast of Addis Ababa. Elevation 2,285 meters.

Near Akaki, 15 km. southeast of Addis Ababa. Elevation 2,375 meters.

297860. ELS-6304-8-F.

297861. ELS-6304-8-G.

297862. ELS-6304-8-H.

297863. CYNODON DACTYLON (L.) Pers. Gramineae.

From Israel. Stolons collected by J. R. Harlan, Oklahoma State University, Stillwater, Okla. Received May 14, 1964.

No. 34. Ancient terraces of Dr. Evenari's Farm at Avdat. Negev type. Collected May 8, 1964.

297864 to 297866.

From Israel. Bulbs presented by the Hebrew University, Jerusalem. Received May 14, 1964.

297864 and 297865. ALLIUM DUMETORUM Feindr. & Szelub. Liliaceae.

297864. Collected at Mt. Carmel. Mar. 24, 1964.

297865. Collected at Yagur, Mt. Carmel. Mar. 25, 1964.

297866. ALLIUM TEL-AVIVENSE Eig.

Collected at Tel Baruch, near Tel-Aviv. Apr. 15, 1964.

297867 to 298016.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 15, 1964.

297867. AESCHYNOMENE AMERICANA L. Leguminosae.

C.P.I. 18648.

297868. AGROPYRON CANINUM (L.) Beauv. Gramineae.

Awned wheatgrass.

C.P.I. 28473.

297869 and 297870. AGROPYRON CRISTATUM (L.) Gaertn. Gramineae.

Crested wheatgrass.

297869. C.P.I. 26029.

297870. C.P.I. 28474.

297871. AGROPYRON ELONGATUM (Host) Beauv.

Tall wheatgrass.

C.P.I. 27103.

297872. AGROPYRON TRICHOPHORUM (Link) Richt.

Stiffhair wheatgrass.

C.P.I. 24625.

297873. AGROPYRON JUNCEUM (L.) Beauv.

C.P.I. 27779.

297874. AGROPYRON PECTINIFORME Roem. & Schult.

C.P.I. 24626.

297875. AGROPYRON SCABRIFOLIUM (Doell) Parodi

C.P.I. 27603.

297876. AGROPYRON TRICHOPHORUM (Link) Richt.

Stiffhair wheatgrass.

C.P.I. 24629.

297877. ALOPECURUS SERAVSCHANICUS Ovczinn. Gramineae.

C.P.I. 24993.

297878. ANTHYLLIS TETROPHYLLA L. Leguminosae.

C.P.I. 14904.

297879. ANTHYLLIS RUBICUNDA Wender.

C.P.I. 22757.

297880. BOTHRIOCHLOA INSCULPTA (Hochst.) A. Camus. Gramineae.

C.P.I. 23720.

297881. BOTHRIOCHLOA ISCHAEMUM (L.) Keng **King's Ranch bluestem.**

C.P.I. 11408.

297882. BOTHRIOCHLOA PERTUSA (L.) A. Camus.

C.P.I. 13230.

297867 to 298016—Continued

297883. BRACHIARIA BRIZANTHA (Hochst.) Stapf Gramineae.
Palisade signalgrass.
C.P.I. 15890.
297884. BRACHIARIA SOLUTA Stapf
C.P.I. 17091.
- 297885 and 297886. BROMUS DANTHONIAE (Desf.) Trin. Gramineae.
297885. C.P.I. 24140.
297886. C.P.I. 24681.
- 297887 to 297889. BROMUS RIPARIUS Rehm.
297887. C.P.I. 22293.
297888. C.P.I. 28645.
297889. C.P.I. 28646.
297890. DESMODIUM SANDWICENSE E. Mey. Leguminosae.
C.P.I. 11740.
- 297891 to 297893. DOLICHOS BIFLORUS L. Leguminosae.
Twinflower dolichos.
297891. C.P.I. 8329.
297892. C.P.I. 8342.
297893. C.P.I. 14629.
- 297894 and 297895. ECHINOCHLOA PYRAMIDALIS (Lam.) Hitchc. & Chase
Gramineae.
297894. C.P.I. 15377.
297895. C.P.I. 17102.
297896. AGROPYRON sp. Gramineae.
C.P.I. 25752.
297897. ELYMUS EUROPAEUS Presl. Gramineae. Wildrye.
C.P.I. 27526.
297898. ELYMUS PATAGONICUS Speg.
C.P.I. 22077.
297899. ELYMUS VILLOSUS Muhl. ex. Willd.
C.P.I. 27529.
- 297900 to 297909. FESTUCA ARUNDINACEA Schreb Gramineae. Tall fescue.
297900. C.P.I. 26296. 297905. C.P.I. 28295.
297901. C.P.I. 26523. 297906. C.P.I. 28354.
297902. C.P.I. 27154. 297907. C.P.I. 28355.
297903. C.P.I. 27477. 297908. C.P.I. 28356.
297904. C.P.I. 27530. 297909. C.P.I. 28852.
- 297910 to 297912. GLYCINE JAVANICA L. Leguminosae.
297910. C.P.I. 13300.
297911. C.P.I. 17673.
297912. C.P.I. 28320.
- 297913 to 297917. HOSACKIA SUBPINNATA G. Don Leguminosae.
297913. C.P.I. 25560. 297916. C.P.I. 25564.
297914. C.P.I. 25562. 297917. C.P.I. 25565.
297915. C.P.I. 25563.

297867 to 298016—Continued

- 297918 to 297920. *HYPARRHENIA RUFA* (Nees) Stapf. Gramineae.
Jaragua grass.
297918. C.P.I. 17155.
 297919. C.P.I. 19927.
 297920. C.P.I. 20131.
297921. *ONOBRYCHIS ARENARIA* DC. Leguminosae. **Sandy esparcet.**
 C.P.I. 27457.
297922. *ONOBRYCHIS CHORASSANICA* Bunge
 C.P.I. 24186.
297923. *ONOBRYCHIS GRANDIS* Lipsky
 C.P.I. 27458.
- 297924 to 297926. *ONOBRYCHIS PETRAEA* Desv.
 297924. C.P.I. 27432.
 297925. C.P.I. 27460.
 297926. C.P.I. 28436.
297927. *ONOBRYCHIS RADIATA* Fisch.
 C.P.I. 27159.
- 297928 to 297941. *ONOBRYCHIS VICIFOLIA* Scop. **Sainfoin.**
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|-----------------------|-----------------------|
| 297928. C.P.I. 4312. | 297935. C.P.I. 28071. |
| 297929. C.P.I. 15809. | 297936. C.P.I. 28073. |
| 297930. C.P.I. 18681. | 297937. C.P.I. 28074. |
| 297931. C.P.I. 23855. | 297938. C.P.I. 28075. |
| 297932. C.P.I. 27148. | 297939. C.P.I. 28076. |
| 297933. C.P.I. 27461. | 297940. C.P.I. 28077. |
| 297934. C.P.I. 28070. | 297941. C.P.I. 28078. |
297942. *ONOBRYCHIS VICIFOLIA* var. *MONTANA* (DC.) Burn.
 C.P.I. 27459.
- 297943 and 297944. *PASPALUM NOTATUM* Fluegge Gramineae. **Bahiagrass.**
297943. C.P.I. 11818.
 297944. C.P.I. 11819.
- 297945 and 297946. *PASPALUM NOTATUM* var. *LATIFLORUM* Doell
297945. C.P.I. 11863.
 297946. C.P.I. 11864.
- 297947 and 297948. *POTERIUM POLYGAMUM* Waldst. & Kit. Rosaceae.
297947. C.P.I. 24648.
 297948. C.P.I. 28178.
297949. *SANGUISORBA AGRIMONIOIDES* Cont. Rosaceae.
 C.P.I. 10711.
- 297950 to 297955. *SANGUISORBA MINOR* Scop. **Small burnet.**
- | | |
|-----------------------|-----------------------|
| 297950. C.P.I. 1510. | 297953. C.P.I. 23355. |
| 297951. C.P.I. 14266. | 297954. C.P.I. 23356. |
| 297952. C.P.I. 18617. | 297955. C.P.I. 27268. |

297867 to 298016—Continued

- 297956 and 297957. SANGUISORBA POLYGAMA Nyland
 297956. C.P.I. 23990.
 297957. C.P.I. 23991.
297958. SANGUISORBA TENUIFOLIA Fisch. ex Link **Burnet.**
 C.P.I. 22347.
297959. SANGUISORBA sp.
 C.P.I. 12194.
297960. SANGUISORBA OFFICINALIS L.
 C.P.I. 23152.
297961. SANGUISORBA MURICATA (Spach) Aschers. & Graebn.
 C.P.I. 13597.
- 297962 to 297964. SECALE MONTANUM Guss. Gramineae. **Mountain rye.**
 297962. C.P.I. 22200.
 297963. C.P.I. 25941.
 297964. C.P.I. 25943.
- 297965 and 297966. STIPA BRACHYCHAETA Godr. Gramineae.
 297965. C.P.I. 22791.
 297966. C.P.I. 25816.
297967. STIPA CLARAZII Ball
 C.P.I. 22792.
297968. STIPA GYNERIOIDES R. A. Phil.
 C.P.I. 22793.
297969. STIPA HYALINA Nees
 C.P.I. 25801.
- 297970 and 297971. STIPA MEGAPOTAMICA Trin.
 297970. C.P.I. 9730.
 297971. C.P.I. 25802.
297972. STIPA NUTANS Hackel
 C.P.I. 25803.
- 297973 to 297975. STIPA PAPPOSA Nees.
 297973. C.P.I. 25805.
 297974. C.P.I. 25806.
 297975. C.P.I. 25807.
297976. STIPA TENUIS R. A. Phil.
 C.P.I. 22079.
297977. STIPA TENACISSIMA Jusl. **Esparto needlegrass.**
 C.P.I. 22794.
297978. STIPA sp.
 C.P.I. 22320.
- 297979 and 297980. TRIFOLIUM AMBIGUUM Bieb. Leguminosae. **Kura clover.**
 297979. C.P.I. 24118.
 297980. C.P.I. 27598.

297867 to 298016—Continued

- 297981 and 297982. *TRIFOLIUM CHERLERI* L.
 297981. C.P.I. 27374. Annual.
 297982. C.P.I. 27820. Annual.
- 297983 to 297986. *TRIFOLIUM FRAGIFERUM* L. Strawberry clover.
 297983. C.P.I. 21963. 297985. C.P.I. 25097.
 297984. C.P.I. 23369. 297986. C.P.I. 25709.
- 297987 to 297992. *TRIFOLIUM MEGALANTHUM* Steud.
 297987. C.P.I. 25874. 297990. C.P.I. 25882.
 297988. C.P.I. 25876. 297991. C.P.I. 25885.
 297989. C.P.I. 25878. 297992. C.P.I. 25887.
- 297993 to 297996. *TRIFOLIUM NIGRESCENS* Viv. Ball clover.
 297993. C.P.I. 14452. Annual. 297995. C.P.I. 14557. Annual.
 297994. C.P.I. 14554. Annual. 297996. C.P.I. 15161. Annual.
297997. *TRIFOLIUM PATENS* Schreb.
 C.P.I. 22744.
297998. *TRIFOLIUM TRICHOCEPHALUM* Bieb.
 C.P.I. 22336.
- 297999 to 298016. *VICIA BENGHALENSIS* L. Leguminosae. Purple vetch.
 297999. C.P.I. 10117. 298008. C.P.I. 16626.
 298000. C.P.I. 10374. 298009. C.P.I. 16627.
 298001. C.P.I. 10376. 298010. C.P.I. 16628.
 298002. C.P.I. 10398. 298011. C.P.I. 16629.
 298003. C.P.I. 10485. 298012. C.P.I. 16630.
 298004. C.P.I. 11432. 298013. C.P.I. 16631.
 298005. C.P.I. 15495. 298014. C.P.I. 16632.
 298006. C.P.I. 15821. 298015. C.P.I. 25903.
 298007. C.P.I. 16377. 298016. C.P.I. 26697.
298017. *CANNA EDULIS* Ker. Cannaceae. Edible canna.
 From Peru. Tubers collected by Daniel W. Gade, Naihwa, Province of Paruro, Department of Cuzco. Received May 18, 1964.
 Local name Achira. Plants to 6 feet high. Planted in August and harvested in May.
298018. *SOLANUM TUBEROSUM* L. Solanaceae. Potato.
 From Argentina. Tubers presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received May 18, 1964.
 'San Luis-Inta'. Putative 'Pontiac' mutation. Skin red.
- 298019 to 298029. *LENS CULINARIS* Medic. Leguminosae. Lentil.
 From Turkey. Seeds presented by the United States Embassy, Ankara. Received May 18, 1964.
 From Bitki Yetistirme ve Islahi Kursusu Kiraat Fakultesi, Ankara.
 298019. 'Erythrocarpa'. Turkish Entry No. 60/75a. Source: Eregli, Konya. Local name: Buyuk sultani mercimek.

298019 to 298029—Continued

298020. 'Erythrocarpa'. Turkish Entry No. 60/92a. Source: Nigde. Local name: Buyuk sultani mercimek.
298021. 'Erythrocarpa'. Turkish Entry No. 170. Source: Merzifon, Amasya. Local name: Buyuk sultani mercimek.
298022. 'Erythrocarpa'. Turkish Entry No. 179. Source: Ankara. Local name: Buyuk sultani mercimek.
298023. 'Subnummularia'. Turkish Entry No. 60/40b. Source: Erbaa, Tokat. Local name: Kucuk sultani mercimek.
298024. 'Subnummularia'. Turkish Entry No. 60/42a. Source: Susehri, Sivas. Local name: Kucuk sultani mercimek.
298025. 'Subnummularia'. Turkish Entry No. 1688. Source: Erzurum. Local name: Kucuk sultani mercimek.
298026. 'Vulgaris'. Turkish Entry No. 60/11b. Source: Cihadiya, Adana. Local name: Kucuk yesil mercimek. Seeds small.
298027. 'Vulgaris'. Turkish Entry No. 60/26b. Source: Ilgin, Konya. Local name: Kirmizi mercimek. Seeds small.
298028. 'Vulgaris'. Turkish Entry No. 60/28a. Source: Kutahya. Local name: Kucuk yesil mercimek. Seeds small.
298029. 'Vulgaris'. Turkish Entry No. 60/73a. Source: Bolvadin, Afyon. Local name: Kucuk yesil mercimek. Seeds small.

298030. OLEA EUROPAEA L. Oleaceae. Common olive.

From Bermuda. Cuttings presented by the Department of Agriculture, Agricultural Station. Received May 19, 1964.

Pembroke Rectory, Langton Hill. Trees long established; fruits annually.

298031. ILEX MITIS Radlk. Aquifoliaceae.

From the Republic of South Africa. Plants purchased from the Bloem Erf Nurseries, Stellenbosch, Cape Province. Received May 19, 1964.

298032. STYRAX PLATANIFOLIA Engelm. Styracaceae.

From the United States. Cuttings collected by C. E. Smith, Jr., agricultural explorer, Crops Research Division, Beltsville, Md. Numbered May 19, 1964.

Moist woodland, among limestone boulders, Curry Creek stream canyon, Edge Falls, Kendall County, Tex. Rare shrub or small tree; foliage and leaves considered beautiful.

298033 to 298052.

From Austria. Seeds presented by the Botanical Garden, Vienna. Received May 20, 1964.

298033. *ACTINIDIA POLYGAMA* (Sieb. & Zucc.) Maxim. Dilleniaceae. **Silvervine.**
298034. *BUNIUM* sp. Umbelliferae.
298035. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**
298036. *CUCURBITA MOSCHATA* Duchesne ex Poir. Cucurbitaceae. **Cushaw.**
298037. *CYPHOMANDRA CRASSIFOLIA* Macbride Solanaceae.
298038. *EUCALYPTUS GUNNII* Hook. f. Myrtaceae. **Cider gum.**
298039. *EUCALYPTUS* sp.
- Via Transvaal, Republic of South Africa.
298040. *LUPINUS* sp. Leguminosae.
298041. *MORUS ALBA* var. *CONSTANTINOPOLITANA* Loud. Moraceae.

298033 to 298052—Continued

298042. PHORMIUM TENAX Forst. Liliaceae. New Zealand flaxlily.
 298043. PINUS PINEA L. Pinaceae. Italian stone pine.
 298044. PRIONIUM PALMITA E. Mey. Juncaceae.
 Rare species.
 298045. RHEUM EMODIUM Wall. ex Nees Polygonaceae.
 298046. RUMEX ALPINUS L. Polygonaceae. Dock.
 298047. RUPPIA sp. Potamogetonaceae.
 298048. TAXUS BACCATA L. Taxaceae. English yew.
 Flesh reportedly edible.
 298049. VACCINIUM DELICIOSUM Piper. Ericaceae.
 298050. VACCINIUM HIRSUTUM Thunb.
 298051. VIGNA SINENSIS (Torner) Savi. Leguminosae.
 298052. VOANDZEIA SUBTERRANEA (L.) Thouars Leguminosae.

298053 to 298063.

From Japan. Seeds presented by H. Kubota Nikko, Tochigi Prefecture, Honshu. Received May 20, 1964.

298053. EUONYMUS ALATUS (Thunb.) Rupr. Celastraceae. Winged euonymus.
 298054. EUONYMUS OXYPHYLLUS Miquel
 298055. EUONYMUS PLANIPES Koehne
 298056. EUONYMUS SIEBOLDIANA Blume
 298057. HEMEROCALLIS (hybrid). Liliaceae. Daylily.
H. middendorfi × *H. minor*.
 298058. HEMEROCALLIS MIDDENDORFFII var. ESCULENTA (Koidz.) Ohwi Daylily.
 298059. LEUCOTHOE KEISKEI Miquel Ericaceae.
 298060. RHODODENDRON PENTAPHYLLUM var. NIKOENSE (Komatsu) Nakai Ericaceae.
 298061. RHODODENDRON QUINQUEFOLIUM Biss. & Moore. Cook azalea.
 298062. STEWARTIA MONADELPHA Sieb. & Zucc. Theaceae.
 Seeds look like Stewartia, but are unusually large for monadelpha.
 298063. STEWARTIA PSEUDO-CAMELLIA Maxim. Japanese stewartia.

298064 to 298075. NICOTIANA TABACUM L. Solanaceae. Tobacco.

From Bulgaria. Seeds from the Tobacco Institute, Plovdiv, presented by the Bulgarian Legation, Washington, D. C. Received May 20, 1964.

"Oriental type(s) for cigarettes. In comparison with large leaves they are scarcely affected by blight."

298064. 'Harmanliska Basma 163'.
 298065. 'Kozarsko 541'.
 298066. 'Kulsko'.
 298067. 'Mandrensko'.
 298068. 'Nevrokop 5'.
 298069. 'Rila 9'.

298084 to 298099—Continued**298095 to 298098—Continued**

298097. IV-89-5. 'Keszthelyi 3/56'.

298098. IV-89-6. G-22.

298099. TRIFOLIUM INCARNATUM L. Leguminosae. **Crimson clover.**

III-19-1. 'Lovaszpatonai'. Annual.

298100 and 298101. CYNODON DACTYLON (L.) Pers. Gramineae.

From Israel. Stolons collected by J. R. Harlan, Oklahoma State University, Stillwater, Okla. Received May 26, 1964.

298100. No. 7. Tel Mond, Plain of Sharron. May 5, 1964.

298101. No. 11. North of the Sea of Galilee. Robust type.

298102 and 298103.

From the Union of Soviet Socialist Republics. Cuttings and seed presented by the Institute of Plant Industry, Leningrad. Received May 26, 1964.

298102. ZIZYPHUS JUJUBA Mill. Rhamnaceae. **Jujube.**

'Ta-jan-czao'. (Cuttings).

298103. JUGLANS REGIA L. Juglandaceae. **Persian walnut.**

'Ideal'. (Seed).

298104 to 298114. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received May 28, 1964.

298104. 'Bico Ouro R.P.'. Seeds squarish, flattish, light tan with orange-colored ring around hilum.

298105. 'Chumbinko 79'. Seeds squarish, flattish, dark tan.

298106. 'Chumbinko 1451'. Seeds ovoid, medium tan with darker tan ring around hilum.

298107. 'Creme'. Seeds very light tan, ovoid.

298108. 'H 2-Bico de Ouro'. Seeds reniform, flattish, medium tan with orange-colored ring around hilum.

298109. 'Jalo-90'. Seeds medium tan, reniform to ovoid.

298110. 'Pintado'. Seeds purple mottled on tan, ovoid.

298111. 'Preto-147'. Seeds black, reniform, flattish.

298112. 'Rosinha 1277'. Seeds medium tan with reddish ring around hilum, flattish.

298113. 'Rosinha 1454-9'. Seeds medium tan with darker ring about hilum.

298114. 'Roxinho Minas'. Seeds dark purple, ovoid.

298115 to 298120. ARACHIS HYPOGAEA L. Leguminosae.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received May 28, 1964.

298115. No. 1. Line 136. 1963-685-6.

298116. No. 2. 'White Velencia'.

298117. No. 3. 'W. Sparior'.

298118. No. 4. 'White Natal'.

298119. No. 5. 'White Kongwa'. 1963-525-1.

298120. No. 6.

298121 and 298122. LENS CULINARIS Medic. Leguminosae. Lentil.

From France. Seeds presented by the United States Embassy, Paris. Received June 1, 1964.

298121. Seeds brown. Champagne area.

298122. Seeds mottled, greenish brown. Beauce area.

298123 and 298124.

From France. Seeds presented by the Station de Botanique et de Pathologie Vegetale, Antibes. Received June 1, 1964.

298123. ASPARAGUS ASPARAGOIDES (L.) W. F. Wight Liliaceae.
Smilax asparagus.

298124. ASPARAGUS SPRENGERI Regel. Sprenger asparagus.

298125 to 298302.

From Israel. Seeds collected by H. C. Murphy, Crops Research Division, Beltsville, Md., and the National and University Institute, Rehovoth, under Public Law 480. Received June 1, 1964.

298125. AVENA BARBATA var. WIESTII (Steud.) Hausskn. Gramineae.

No. 8-29. Bet Kama. Bulk seeds.

298126 and 298127. AVENA BYZANTINA Koch.

298126. No. 10-37. Yachini Road.

298127. No. 10-38. Yachini Road.

298128. AVENA LONGIGLUMIS Dur.

No. 9-2. Even-yehuda.

298129 to 298302. AVENA STERILIS L. Animated oats.

298129. No. 6-703. Susceptible to crown rust, *Puccinia coronata*.

298130. No. 6-704. Susceptible to crown rust, *Puccinia coronata*.

298131. No. 6-705. Susceptible to crown rust, *Puccinia coronata*.

298132. No. 6-706. Eshel-Hanasi. Bulk seeds.

298133. No. 6-707. Eshel-Hanasi.

298134. No. 6-708. Eshel-Hanasi.

298135. No. 6-709. Eshel-Hanasi.

298136. No. 6-710. Eshel-Hanasi.

298137. No. 6-711. Eshel-Hanasi.

298138. No. 6-712. Démona.

298139. No. 6-713. Démona.

298140. No. 6-714. Démona.

298141. No. 6-715. Démona.

298142. No. 6-716. Démona.

298143. No. 6-717. Démona.

298144. No. 6-718. Démona.

298145. No. 6-719. Démona.

298146. No. 6-720. Démona.

298147. No. 6-721. Kefar Yeroham. Bulk.

298148. No. 6-722. Yeruham.

298149. No. 6-723. Yeruham.

298125 to 298302—Continued**298129 to 298302—Continued**

298150. No. 6-724. Yeruham.
 298151. No. 6-725. Yeruham.
 298152. No. 6-726. Kefar Yeroham. Disease suspected.
 298153. No. 6-727. Kefar Yeroham. Seeds from one plant.
 298154. No. 6-728. Yeruham.
 298155. No. 6-729. Yeruham.
 298156. No. 6-730. Yeruham.
 298157. No. 6-731. Yeruham.
 298158. No. 6-732. Irish Bridge near Yeruham.
 298159. No. 6-733. Irish Bridge near Yeruham.
 298160. No. 6-734. May be crown rust resistant.
 298161. No. 6-735. Irish Bridge near Yeruham.
 298162. No. 6-736. Irish Bridge near Yeruham.
 298163. No. 6-737. Beersheba trip.
 298164. No. 6-738. Beersheba trip.
 298165. No. 6-739. Beersheba trip. May be crown rust resistant.
 298166. No. 6-740. Beersheba trip.
 298167. No. 6-741. Beersheba trip.
 298168. No. 6-742. Beersheba trip.
 298169. No. 6-743. Beersheba trip.
 298170. No. 6-744. Beersheba trip.
 298171. No. 6-745. Beersheba trip.
 298172. No. 6-746. Beersheba trip.
 298173. No. 6-747. Beersheba trip.
 298174. No. 6-748. Beersheba trip.
 298175. No. 6-749. Road to Revivim, 20 km. south of Beersheba.
 298176. No. 6-750. Road to Revivim, 20 km. south of Beersheba.
 298177. No. 6-751. Road to Revivim, 20 km. south of Beersheba.
 298178. No. 6-752. Road to Revivim, 20 km. south of Beersheba.
 298179. No. 6-753. Road to Revivim, 20 km. south of Beersheba.
 298180. No. 6-754. Yachini Road.
 298181. No. 6-755. Yachini Road.
 298182. No. 6-756. Yachini Road.
 298183. No. 6-757.
 298184. No. 6-758.
 298185. No. 6-759.
 298186. No. 6-760.
 298187. No. 6-761.
 298188. No. 6-762.
 298189. No. 6-763.
 298190. No. 6-764. Gevim.

298125 to 298302—Continued**298129 to 298302—Continued**

298191. No. 6-765. Gevim.
298192. No. 6-766. Gevim.
298193. No. 6-767. Gevim.
298194. No. 6-768. Gevim.
298195. No. 6-769. Gevim.
298196. No. 6-770. Gevim.
298197. No. 6-771. Gevim.
298198. No. 6-772. Gevim.
298199. No. 6-773. Matsuba.
298200. No. 6-774. Matsuba.
298201. No. 6-775. Matsuba.
298202. No. 6-776. Matsuba.
298203. No. 6-777. Matsuba.
298204. No. 6-778. Matsuba.
298205. No. 6-779. Matsuba.
298206. No. 6-780. Matsuba.
298207. No. 6-781. Matsuba.
298208. No. 6-782. Matsuba.
298209. No. 6-783. Matsuba.
298210. No. 6-784. Matsuba.
298211. No. 6-785. Matsuba.
298212. No. 6-786. Matsuba.
298213. No. 6-787. Matsuba.
298214. No. 6-788. Matsuba.
298215. No. 6-789. Matsuba.
298216. No. 6-790. Matsuba.
298217. No. 6-791. Matsuba.
298218. No. 6-792. Even Menahem.
298219. No. 6-793. Avivim.
298220. No. 6-794. Avivim.
298221. No. 6-795. Avivim.
298222. No. 6-796. Avivim.
298223. No. 6-797. Avivim.
298224. No. 6-798. Avivim.
298225. No. 6-799. Ramot Naphtaly.
298226. No. 6-800. Ramot Naphtaly.
298227. No. 6-801. Ramot Naphtaly.
298228. No. 6-802. Ramot Naphtaly.
298229. No. 6-803. Ramot Naphtaly.
298230. No. 6-804. Ramot Naphtaly.
298231. No. 6-805. Ramot Naphtaly.

298125 to 298302—Continued**298129 to 298302—Continued**

- 298232. No. 6-806. Ramot Naphtaly.
- 298233. No. 6-807. Ramot Naphtaly.
- 298234. No. 6-808. Ramot Naphtaly.
- 298235. No. 6-809. Ramot Naphtaly.
- 298236. No. 6-810. Ramot Naphtaly.
- 298237. No. 6-811. Tel-Hazor.
- 298238. No. 6-812. Tel-Hazor.
- 298239. No. 6-813. Tel-Hazor.
- 298240. No. 6-814. Tel-Hazor.
- 298241. No. 6-815. Tel-Hazor.
- 298242. No. 6-816. Amiad.
- 298243. No. 6-817. Amiad.
- 298244. No. 6-818. Amiad.
- 298245. No. 6-819. Amiad.
- 298246. No. 6-820. Amiad.
- 298247. No. 6-821. Amiad.
- 298248. No. 6-822. Amiad.
- 298249. No. 6-823. Amiad.
- 298250. No. 6-824. Amiad.
- 298251. No. 6-825. Amiad.
- 298252. No. 6-826. Amiad.
- 298253. No. 6-827. Amiad.
- 298254. No. 6-828. Amiad.
- 298255. No. 6-829. Amiad.
- 298256. No. 6-830. Amiad.
- 298257. No. 6-831. Amiad.
- 298258. No. 6-832. Amiad.
- 298259. No. 6-833. Amiad.
- 298260. No. 6-834. Amiad.
- 298261. No. 6-835. Amiad.
- 298262. No. 6-836. Amiad.
- 298263. No. 6-837. Amiad.
- 298264. No. 6-838. Kefar-Nahum.
- 298265. No. 6-839. Kefar-Nahum.
- 298266. No. 6-840. Tiberias.
- 298267. No. 6-841. Tiberias.
- 298268. No. 6-842. Tiberias.
- 298269. No. 6-843. Tiberias.
- 298270. No. 6-844. Mivhor.
- 298271. No. 6-845. Mivhor.
- 298272. No. 6-846. Km. 29, Bet Guvrin Road.

298125 to 298302—Continued**298129 to 298302—Continued**

298273. No. 6-847. Km. 29, Bet Guvrin Road.
 298274. No. 6-848. Km. 29, Bet Guvrin Road.
 298275. No. 6-849. Km. 29, Bet Guvrin Road.
 298276. No. 6-850. Km. 29, Bet Guvrin Road.
 298277. No. 6-851. Bet Guvrin (Rhamus).
 298278. No. 6-852. Bet Guvrin (Rhamus).
 298279. No. 6-853. Bet Guvrin (Rhamus).
 298280. No. 6-854. Bet Guvrin (Rhamus).
 298281. No. 6-855. Bet Guvrin (Rhamus).
 298282. No. 6-856. Tsafririm.
 298283. No. 6-857. Tsafririm.
 298284. No. 6-858. Tsafririm.
 298285. No. 6-859. Netiv Halamed-He.
 298286. No. 6-860. Netiv Halamed-He.
 298287. No. 6-861. Netiv Halamed-He.
 298288. No. 6-862. Netiv Halamed-He.
 298289. No. 6-863. Netiv Halamed-He.
 298290. No. 6-864. Netiv Halamed-He.
 298291. No. 6-865. Netiv Halamed-He.
 298292. No. 6-866. Jerusalem.
 298293. No. 6-867. Jerusalem.
 298294. No. 6-868. Jerusalem.
 298295. No. 6-869. Jerusalem.
 298296. No. 6-870. Jerusalem.
 298297. No. 6-871. Jerusalem.
 298298. No. 6-872. Jerusalem.
 298299. No. 6-873. Validor Hotel.
 298300. No. 6-874. Validor Hotel.
 298301. No. 6-875. Validor Hotel.
 298302. No. 6-876. Validor Hotel.

298303 to 298356.

From Ethiopia. Seeds collected by E. L. Smith, United States Agency for International Development, Debre Zeit. Received June 1, 1964.

298303 to 298309. HORDEUM DEFICIENS Steud. Gramineae.**Deficient barley.**

298303. ELS 6302-226. Chercher Highlands, 100 km. west of Dire Dawa. Elevation 2,130 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
 298304. ELS 6302-230. Ambo road, 17 km. west of Addis Ababa. Elevation 2,375 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
 298305. ELS 6302-232. Ambo road, 17 km. west of Addis Ababa. Elevation 2,375 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298303 to 298356—Continued

298303 to 298309—Continued

298306. ELS 6302-235. Ambo road, 17 km. west of Addis Ababa. Elevation 2,375 meters. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.
298307. ELS 6402-246. Awash River headwaters flood plains, 47 km. southwest of Addis Ababa. Elevation 2,440 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298308. ELS 6402-249. Awash River headwaters flood plains, 47 km. southwest of Addis Ababa. Elevation 2,440 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298309. ELS 6402-263. Two km. east of Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.

298310 and 298311. HORDEUM DISTICHON L.

298310. ELS 6302-220. Near Simba, six km. north of Assella, 160 km. southeast of Addis Ababa. Elevation 2,375 meters. Kernels white; awns rough; caryopsis naked; rachilla hairs short.
298311. ELS 6302-237. Ambo road, 25 km. west of Addis Ababa. Elevation 2,375 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.

298312 to 298330. HORDEUM IRREGULARE Aberg & Wiebe

298312. ELS 6302-231. Ambo road, 17 km. west of Addis Ababa. Elevation 2,375 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298313. ELS 6302-233. Ambo road, 17 km. west of Addis Ababa. Elevation 2,375 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298314. ELS 6302-234. Ambo road, 17 km. west of Addis Ababa. Elevation 2,375 meters. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.
298315. ELS 6302-236. Ambo road, 17 km. west of Addis Ababa. Elevation 2,375 meters. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.
298316. ELS 6302-239. Ambo road, 25 km. west of Addis Ababa. Elevation 2,375 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298317. ELS 6302-240. Ambo road, 25 km. west of Addis Ababa. Elevation 2,375 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298318. ELS 6302-242. Ambo road, 25 km. west of Addis Ababa. Elevation 2,375 meters. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298319. ELS 6302-243. Ambo road, 25 km. west of Addis Ababa. Elevation 2,375 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298320. ELS 6302-244. Ambo road, 25 km. west of Addis Ababa. Elevation 2,375 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298321. ELS 6402-247. Awash River headwaters flood plains, 47 km. southwest of Addis Ababa. Elevation 2,430 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298322. ELS 6402-248. Awash River headwaters flood plains, 47 km. southwest of Addis Ababa. Elevation 2,430 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.

298303 to 298356—Continued**298312 to 298330—Continued**

- 298323.** ELS 6402-250. Awash River headwaters flood plains, 47 km. southwest of Addis Ababa. Elevation 2,430 meters. Kernels black; awns rough; caryopsis covered; rachilla hairs long.
- 298324.** ELS 6402-261. Two km. east of Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
- 298325.** ELS 6402-262. Two km. east of Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
- 298326.** ELS 6402-264. Two km. east of Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
- 298327.** ELS 6402-265. Two km. east of Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
- 298328.** ELS 6402-266. Five km. east of Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
- 298329.** ELS 6402-267. Five km. east of Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
- 298330.** ELS 6402-268. Five km. east of Goba, 400 km. southeast of Addis Ababa. Elevation 2,900 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs long.

298331 to 298354. HORDEUM VULGARE L.

Six-rowed barleys.

- 298331.** ELS 6302-215. Near Shenno (Debre Berhan), 120 km. north-east of Addis Ababa. Elevation 3,000 meters. Bulk seed sample.
- 298332.** ELS 6302-216. Near Shenno (Debre Berhan), 120 km. north-east of Addis Ababa. Elevation 3,000 meters. Bulk seed sample.
- 298333.** ELS 6302-217. Near Shenno (Debre Berhan), 120 km. north-east of Addis Ababa. Elevation 3,000 meters. Bulk seed sample.
- 298334.** ELS 6302-218. Near Egdu (Debre Berhan), 120 km. north-east of Addis Ababa. Elevation 3,000 meters. Bulk seed sample.
- 298335.** ELS 6302-219. Near Egdu (Debre Berhan), 120 km. north-east of Addis Ababa. Elevation 3,000 meters. Bulk seed sample.
- 298336.** ELS 6302-221. Chercher Highlands, 100 km. west of Dire Dawa. Elevation 2,130 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
- 298337.** ELS 6302-222. Chercher Highlands, 100 km. west of Dire Dawa. Elevation 2,130 meters. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
- 298338.** ELS 6302-223. Chercher Highlands, 100 km. west of Dire Dawa. Elevation 2,130 meters. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
- 298339.** ELS 6302-224. Chercher Highlands, 100 km. west of Dire Dawa. Elevation 2,130 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
- 298340.** ELS 6302-225. Chercher Highlands, 100 km. west of Dire Dawa. Elevation 2,130 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs long.

298303 to 298356—Continued**298331 to 298354—Continued**

- 298341.** ELS 6302-227. Chercher Highlands, 100 km. west of Dire Dawa. Elevation 2,130 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
- 298342.** ELS 6302-228. Chercher Highlands, 100 km. west of Dire Dawa. Elevation 2,130 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
- 298343.** ELS 6302-229. Chercher Highlands, 100 km. west of Dire Dawa. Elevation 2,130 meters. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
- 298344.** ELS 6302-241. Ambo road, 25 km. west of Addis Ababa. Elevation 2,375 meters. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
- 298345.** ELS 6402-251. Local name: Sinde Mena, "The Best" (literally: wheat is unnecessary). Southern slope of Mount Yerrer, 40 km. south-east of Addis Ababa. Elevation 3,000-3,350 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
- 298346.** ELS 6402-252. Local name: Sinde Mena, "The Best" (literally: wheat is unnecessary). Southern slope of Mount Yerrer, 40 km. south-east of Addis Ababa. Elevation 3,000-3,350 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
- 298347.** ELS 6402-253. Local name: Ferenjo, "Foreign" (white) barley. Southern slope of Mount Yerrer, 40 km. southeast of Addis Ababa. Elevation 3,000-3,350 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
- 298348.** ELS 6402-254. Local name: Keselle, "Deep Black". Southern slope of Mount Yerrer, 40 km. southeast of Addis Ababa. Elevation 3,000-3,350 meters. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
- 298349.** ELS 6402-255. Local name: Keselle, "Deep Black". Southern slope of Mount Yerrer, 40 km. southeast of Addis Ababa. Elevation 3,000-3,350 meters. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
- 298350.** ELS 6402-256. Southern slope of Mount Yerrer, 40 km. south-east of Addis Ababa. Elevation 3,000-3,350 meters. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.
- 298351.** ELS 6402-257. Southern slope of Mount Yerrer, 40 km. south-east of Addis Ababa. Elevation 3,000-3,350 meters. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.
- 298352.** ELS 6402-258. Southern slope of Mount Yerrer, 40 km. south-east of Addis Ababa. Elevation 3,000-3,350 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
- 298353.** ELS 6402-259. Southern slope of Mount Yerrer, 40 km. south-east of Addis Ababa. Elevation 3,000-3,350 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
- 298354.** ELS 6402-260. Local name: Gansber, "Pot Breaker" (during fermentation it swells so fast it breaks the pot). Southern slope of Mount Yerrer, 40 km. southeast of Addis Ababa. Elevation 3,300-3,350 meters. Bulk seed sample.
- 298355.** HORDEUM sp.
ELS 6302-238. Ambo road, 25 km. west of Addis Ababa. Elevation 2,375 meters. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
- 298356.** HORDEUM sp.
ELS 6302-245. Ambo road, 25 km. west of Addis Ababa. Elevation 2,375 meters. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298357. LENS CULINARIS Medic. Leguminosae. Lentil.

From the United Arab Republic (Egypt). Seeds presented by the United States Embassy, Cairo. Received July 7, 1964.

'Giza'.

298358 to 298370.

From Brazil. Seeds presented by Instituto Agronomico do Estado de Sao Paulo, Campinas. Received June 2, 1964.

298358 to 298363. ARACHIS GLABRATA Benth. Leguminosae.

298358. V. 85. 298361. V. 361-pl 52.

298359. V. 128. 298362. V. 362-pl 53.

298360. V. 361-pl 51. 298363. V. 787.

298364 and 298365. ARACHIS MONTICOLA Krapovickas & Rigoni.

298364. V. 819.

298365. V. 820.

298366. ARACHIS REPENS Handro

V. 305.

298367. ARACHIS VILLOSA Benth.

V. 359.

298368. ARACHIS sp.

V. 776.

298369. ARACHIS sp.

V. 788.

298370. ARACHIS sp.

V. 793.

298371 to 298373.

From the Union of Soviet Socialist Republics. Plants presented by the Institute of Plant Industry, Leningrad. Received May 21, 1964. Numbered June 3, 1964.

298371. ACTINIDIA sp. Dilleniaceae.

B.P.I. No. 1 (1).

298372. ACTINIDIA sp.

Suckers (2).

298373. ACTINIDIA sp.

Male plant (1).

298374 to 298386.

From Germany. Seeds presented by the State Institute for General Botany and Botanical Garden, Hamburg. Collected in South Africa by H. D. Ihlenfeldt. Received June 3, 1964.

298374 and 298375. CERATOTHECA TRILOBA E. Mey. ex Bernh. Pedaliaceae.

298374. No. 2118. Transvaal.

298375. No. 2179. Transvaal.

298376. ROGERIA ADENOPHYLLA J. Gay. Pedaliaceae.

No. 3264. South West Africa.

298377. ROGERIA BIGIBBOSA Engl.

No. 3008. South West Africa.

298374 to 298386—Continued

- 298378 and 298379.** *ROGERIA LONGIFLORA* J. Gay
298378. No. 1845a. South West Africa.
298379. No. 1846a. South West Africa.
- 298380.** *SESAMUM ALATUM* Thonn. Pedaliaceae.
 No. 1988a. South West Africa.
- 298381 and 298382.** *SESAMUM CAPENSE* Burm. f.
298381. No. 1774. South West Africa.
298382. No. 3260. South West Africa.
- 298383.** *SESAMUM MARLOTHII* Engl.
 No. 3259. South West Africa.
- 298384.** *SESAMUM SCHINZIANUM* Aschers.
 No. 3256. South West Africa.
- 298385.** *SESAMUM TRIPHYLLUM* Welw. ex Aschers.
 No. 3001. South West Africa.
- 298386.** *SESAMUM TRIPHYLLUM* Welw. ex Aschers, var. *TRIPHYLLUM*
 No. 1966a. South West Africa.

298387 to 298398. *GLYCINE JAVANICA* L. Leguminosae.

From the Republic of South Africa. Seeds presented by the Department of Agriculture, Pretoria. Received June 3, 1964.

- 298387.** No. 153. Rietvlei.
298388. B/58/116. Port Elizabeth.
298389. B/62/1. Dohne.
298390. U/50/186. Mazoe, S.R.
298391. U/55/31. Choma strain. N. Rhodesia.
298392. U/61/139. Tanganyika.
298393. U/61/140. Tanganyika.
298394. U/61/141. Tanganyika.
298395. U/61/146. S. Rhodesia, Grasslands selection.
298396. U/61/147. S. Rhodesia, ex Melsetter.
298397. U/61/148. S. Rhodesia, Norvals special.
298398. U/61/149. S. Rhodesia.

298399 to 298413. *TRITICUM AESTIVUM* L. Gramineae.**Common wheat.**

From Chile. Seeds presented by the Ministry of Agricultura, Oficina de Estudios Speciales, Santiago. Received June 3, 1964.

- 298399.** 'Abondance'.
298400. 'Biofen' × 'Nord Desprez'.
298401. 'Capelle Desprez'.
298402. 'Costano Colorado'.
298403. 'Chomplein'.
298404. 'Druchamp'.
298405. 'Druchamp 1940'.
298406. 'Heines IV'.

298399 to 298413—Continued

298407. 'Orofen'.
 298408. 'Orofen 60'.
 298409. 'Pratifen'.
 298410. 'Rulofen'.
 298411. 'Vilmorin 29'.
 298412. 'Vilmorin 53'.
 298413. Y53-Nor 10/B 26 × LR 2 M-7920-9r-1m-2r.

298414 to 298421.

From Turkey. Seeds obtained from the University of Ankara, Ankara, under Public Law 480. Received June 4, 1964.

298414. DAUCUS sp. Umbelliferae.

Col. No. 1325. Plants uncultivated in fields, Izmir. Plants branched; stems erect, to 100 cm. high; flowers white.

298415. DAUCUS sp.

Col. No. 1330. Roadside, Izmir, Kemalposo. Erect annual to 2 meters high.

298416. LOLIUM RIGIDUM Gaud. Gramineae. **Wimmera grass.**

Col. No. 1420. Roadside between Mardin and Nusaybin. Plants to 40 cm. high; roots bearing clusters of sterile leaves; leaves linear.

298417. LOLIUM TEMULENTUM L. **Darnel.**

Col. No. 1382. Roadside between Silifke and Anamus. Annual to 1 meter high; leaves firm, flat, linear, to 10 mm. broad; spikelets 3-8 flowered, as long as internodes or longer.

298418. MEDICAGO RIGIDULA (L.) All. Leguminosae.

Col. No. 1434. Fields between Karaman and Mut. Stems decumbent, to 60 cm. long; fruits long toothed.

298419. TRIFOLIUM sp. Leguminosae.

Col. No. 1383. Roadside between Urfa and Viransehir. Annual; stems erect, to 30 cm. high; leaflets long; flowers purple.

298420. TRIFOLIUM sp.

Col. No. 1385. In wild, on slopes between Gemlik and Iznik. Annual; stems decumbent, to 30 cm. long.

298421. TRIFOLIUM sp.

Col. No. 1389. Wild, in fields between Gemlik and Iznik. Stems decumbent, hirsute.

298422. COIX LACHRYMA-JOBI L. Gramineae. **Jobs-tears.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas. Received June 4, 1964.

A dwarf variety.

298423. ARACHIS HYPOGAEA L. Leguminosae.

From Spain. Seeds presented by the National Institute of Agricultural Research, Madrid. Received June 4, 1964.

Nuts have 3 or 4 seeds each.

298424 and 298425.

From the Union of Soviet Socialist Republics. Cuttings presented by the All-Union Institute of Plant Industry, Leningrad. Received May 26, 1964. Numbered June 4, 1964.

298424 to 298425—Continued

298424. *ACTINIDIA* sp. Dilleniaceae.

'Klara Chetkin'. (No. 1).

298425. *ACTINIDIA* sp.

'Michurin Pineapple'. (No. 2).

298426 to 298441.

From Israel. Seeds obtained from the Hebrew University, Jerusalem, under Public Law 480. Received June 4, 1964.

298426 and 298427. *TRIFOLIUM ALEXANDRINUM* L. Leguminosae.

Berseem clover.

298426. No. 1. Philistaeen Plain near Beith Dagon.

298427. No. 8. Hatsbani banks, upper Galilee.

298428 and 298429. *TRIFOLIUM BERYTHEUM* Boiss. & Blanche

298428. No. 2. Plain of Qishon near Mishmar Haemek.

298429. No. 3. Heavy soil, Dan Valley, near Gonen.

298430. *TRIFOLIUM BULLATUM* Boiss. & Haussk ex Boiss.

No. 4. University campus, Jerusalem.

298431. *TRIFOLIUM CHERLERI* L.

No. 5. Near Mrar, lower Galilee. Annual.

298432. *TRIFOLIUM CLYPEATUM* L.

No. 7. Shomron, Mt. Gilboa.

298433. *TRIFOLIUM FORMOSUM* D'Urv.

No. 9. Shefela, Kefar Bilu.

298434. *TRIFOLIUM PALAESTINUM* Boiss.

No. 10. Sharon Plain, Natanya.

298435 and 298436. *TRIFOLIUM RESUPINATUM* L.

Persian clover.

Annual clover.

298435. No. 6. Philistaeen Plain near Nabi Rubin.

298436. No. 11. Philistaeen Plain near Nahal Rubin.

298437. *TRIFOLIUM SCABRUM* L.

No. 12. Near Mrar, lower Galilee.

Rough clover.

298438. *TRIFOLIUM SCUTATUM* Boiss.

No. 13. University campus, Jerusalem.

298439. *TRIFOLIUM STELLATUM* L.

No. 14. Near Mishmar Hajarden, upper Galilee.

298440. *TRIFOLIUM TOMENTOSUM* L. var. *TOMENTOSUM*.

Woolly clover.

No. 15. Giv'ath Hamore, lower Galilee.

298441. *TRIFOLIUM VAVILOVI* Eig

No. 16. Arbel Valley, lower Galilee.

298442 and 298443. *ALLIUM SATIVUM* L. Liliaceae.

Garlic.

From Peru. Bulbs presented by the Universidad Agraria, La. Molina, Lima. Received June 5, 1964.

298442. 'Arequipeno'. Purple. Grown in Arequipa. Collected at market. Elevation 2,500 meters above sea level.

298442 and 298443—Continued

298443. 'Mazzone'. White. Collected from a commercial field in La Molina, Lima.

298444 to 298508.

From Israel. Seeds obtained from the National and University Institute of Agriculture, Rehovot, under Public Law 480. Received June 4, 1964.

298444 to 298446. TRIFOLIUM ALEXANDRINUM L. Leguminosae.

Berseem clover.

298444. Col. No. 14-55. Roadside ditch near Haifa. Annual rainfall 600 mm.

298445. Col. No. 50-55. Heavy alluvial soil, Be'er Tuvia.

298446. Col. No. 63-55. Be'er Tuvia.

298447 and 298448. TRIFOLIUM CAMPESTRE Schreb.

Large hop clover.

Annual clover.

298447. Col. No. 19-55. Wadi Beera.

298448. Col. No. 43-55. West of Hertzlia.

298449 to 298451. TRIFOLIUM CHERLERI L.

Annual clover.

298449. Col. No. 8-55. Kukar hill, road to Mavkiim. Annual rainfall 200 mm.

298450. Col. No. 26-55. Terra rossa, road to Ilabun. Annual rainfall 700 mm.

298451. Col. No. 55-55. Near Erez road.

298452 and 298453. TRIFOLIUM CLYPEATUM L.

298452. Col. No. 10-55. Three km. south of Beit Alpha. Annual rainfall 350 mm.

298453. Col. No. 56-55. Mt. Gilboa.

298454 to 298462. TRIFOLIUM CURVISEPALUM Taeckh.

298454. Col. No. 16-55. Edge of dune, north of Ashkelon.

298455. Col. No. 17-55. Heavy, sand covered soil, near Ashkelon. Annual rainfall 500 mm.

298456. Col. No. 22-55. Near Mt. Gilboa (Nurit).

298457. Col. No. 23-55. Terra rossa, Mt. Gilboa.

298458. Col. No. 24-55. Tantura.

298459. Col. No. 48-55. Peak of Givat Hamore.

298460. Col. No. 51-55. Two km. from Gesher.

298461. Col. No. 53-55. Gesher.

298462. Col. No. 61-55. East of Acre.

298463. TRIFOLIUM FORMOSUM D'Urv.

Col. No. 21-55. Yardena.

298464 and 298465. TRIFOLIUM FRAGIFERUM L.

Strawberry clover.

298464. Col. No. 37-55. Swamp, Maagan Michael.

298465. Col. No. 44-55. Saline soil, Nachal Alexander.

298466 to 298472. TRIFOLIUM LAPPACEUM L.

Lappa clover.

Annual clover.

298466. Col. No. 11-55. North of Achziv. Annual rainfall 800 mm.

298444 to 298508—Continued**298466 to 298472—Continued**

298467. Col. No. 27-55. Hasohrir riverbed, northwest of Orot.
 298468. Col. No. 30-55. Heavy soil, Wadi Rubin. Annual rainfall 500 mm.
 298469. Col. No. 31-55. East of Kfar Masaryk.
 298470. Col. No. 32-55. Nachal Rubin. Annual rainfall 500 mm.
 298471. Col. No. 52-55. East of Acre.
 298472. Col. No. 98-54. Nachal Alexander. Annual rainfall 550 mm.

298473 to 298478. TRIFOLIUM MENEGHINIANUM Clem.

298473. Col. No. 15-55. Heavy soil, Hertzlia. Annual rainfall 500 mm.
 298474. Col. No. 18-55. Salty marsh near Acre.
 298475. Col. No. 34-55. Near Nachal Alexander.
 298476. Col. No. 45-55. Heavy soil west of Hertzlia.
 298477. Col. No. 47-55. Swampy wadi, Chadera.
 298478. Col. No. 62-55. Nachal Alexander.

298479 to 298481. TRIFOLIUM PALAESTINUM Boiss.

298479. Col. No. 5-55. Natania dunes. Annual rainfall 450 mm.
 298480. Col. No. 13-55. Heavy saline, sand covered marsh near Lake Kishon.
 298481. Col. No. 40-55. Light soil north of Michmoret.

298482. TRIFOLIUM PILULARE Boiss.

- Col. No. 60-55. Medium loam soil.

298483 and 298484. TRIFOLIUM PURPUREUM Loisel.

298483. Col. No. 12-55. Givat Hamore.
 298484. Col. No. 28-55. Near the Jordan River, east of Yardena.

298485. TRIFOLIUM REPENS L.**Whiteclover.**

- Col. No. 9-55. Near Kiriath Shmone. Annual rainfall 700 mm. Perennial clover.

298486 to 298489. TRIFOLIUM RESUPINATUM L.**Persian clover.**

Annual clover.

298486. Col. No. 1-55. Highly saline sand-covered swamp near Lake Kishon. Annual rainfall 500 mm.
 298487. Col. No. 2-55. Swamp west of Gonen.
 298488. Col. No. 59-55. Nachal Rubin.
 298489. Col. No. 99-54. Heavy soil, Wadi Rubin. Annual rainfall 500 mm.

298490 and 298491. TRIFOLIUM SCABRUM L.**Rough clover.**

298490. Col. No. 35-55. Rosh Pina. Annual rainfall 700 mm.
 298491. Col. No. 46-55. Light sandy loam, Chadera road.

298492 and 298493. TRIFOLIUM SPUMOSUM L.

298492. Col. No. 4-55. Wadi Beera outlet, Jordan Valley road. Annual rainfall 300 mm.
 298493. Col. No. 42-55. Carmel.

298494 to 298496. TRIFOLIUM STELLATUM L.

298494. Col. No. 29-55. Lahav.

298444 to 298508—Continued**298494 to 298496—Continued**

298495. Col. No. 36-55. Near Yardená.

298496. Col. No. 41-55. Rendzina slope east of Amatzia.

298497 and 298498. TRIFOLIUM STENOPHYLLUM Boiss.

298497. Col. No. 33-55. Sandy soil east of Ashdod.

298498. Col. No. 57-55. Sandy soil, Ashdod.

298499 to 298503. TRIFOLIUM TOMENTOSUM L.**Woolly clover.**

298499. Col. No. 7-55. Heavy soil east of Wadi Rubin. Annual rainfall 500 mm.

298500. Col. No. 25-55. Terra rossa, near Ilabun. Annual rainfall 700 mm.

298501. Col. No. 38-55. Wadi Beera outlet, Jordan Valley roadside.

298502. Col. No. 39-55. Tel-el-Kadi.

298503. Col. No. 58-55. Entrance to Wadi Beera.

298504 to 298507. TRIFOLIUM VAVILOVI Eig

298504. Col. No. 6-55. Fallow field 1 km. north of Lavi. Annual rainfall 400 mm.

298505. Col. No. 20-55. Heavy soil, Arbel Valley.

298506. Col. No. 49-55. Near Nachal Kishon.

298507. Col. No. 54-55. Raraba, Lower Galilee.

298508. TRIFOLIUM XEROCEPHALUM Fenzl.

Col. No. 3-55. Wadi Beera outlet, Jordan Valley road. Annual rainfall 300 mm.

298509 to 298540. ZEA MAYS L. Gramineae.

From Brazil. Seeds presented by the Institute of Genetics, Escola Superior de Agricultura, Piracicaba, Sao Paulo. Received June 16, 1964.

298509. 'America Central'.

298525. 'RGS VII'.

298510. 'ARG III'.

298526. 'RGS VIII'.

298511. 'Bol. I'.

298527. 'RGS IX'.

298512. 'Dente Paulista A'.

298528. 'RGS XI'.

298513. 'Dente Paul B'.

298529. 'RGS XIV'.

298514. 'Dente Paul D'.

298530. 'RGS XVI'.

298515. 'Dente Paul E'.

298531. 'SC I'.

298516. 'Lenka'.

298532. 'SP II'.

298517. 'MG I'.

298533. 'SP III'.

298518. 'MG II'.

298534. 'SP IV'.

298519. 'Parana III'.

298535. 'SP V'.

298520. 'Perolo Piraicalra'.

298536. 'SP VII'.

298521. 'Piramex'.

298537. 'SP VIII'.

298522. 'RGS II'.

298538. 'SP X'.

298523. 'RGS IV'.

298539. 'URG II'.

298524. 'RGS V'.

298540. 'URG IV'.

298541. ONOBRYCHIS VICIFOLIA Scop. Leguminosae. Sainfoin.

From Great Britain. Seeds presented by the Welsh Plant Breeding Station, Aberystwyth, Wales. Received June 17, 1964.

'Vale of Glamorgan'.

298542 to 298587. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From Ethiopia. Seeds collected by C. E. H. Thomas, Reading University, England, and presented by E. L. Smith, U.S. Agency for International Development, Addis Ababa. Received June 17, 1964.

298542. ELS 6304-10. Debre Berhan market, northeast of Addis Ababa. Elevation 9,300 feet.
298543. ELS 6304-34. Mai Chio, between Dessie and Asmara. Elevation 9,200 feet.
298544. ELS 6304-35. Debre Berhan, 84 miles northeast of Addis Ababa. Elevation 9,300 feet.
298545. ELS 6304-36. Seventy-six miles southwest of Addis Ababa, on Jimma Road. Elevation 6,600 feet.
298546. ELS 6304-37. Forty-five miles southwest of Addis Ababa, on Jimma Road. Elevation 7,200 feet.
298547. ELS 6304-38. Thirty-two miles west of Addis Ababa, on Ambo Road. Elevation 8,000 feet.
298548. ELS 6404-11. Debre Markos Market. Elevation 8,100 feet.
298549. ELS 6404-12. Debre Markos Market. Elevation 8,100 feet.
298550. ELS 6404-13. Debre Markos Market. Elevation 8,100 feet.
298551. ELS 6404-14. Ammana Market, 17 miles northwest of Debre Markos. Elevation 8,100 feet.
298552. ELS 6404-15. Southern edge of Lake Tana, 36 miles northeast of Bahr Dar. Elevation 6,200 feet.
298553. ELS 6404-16. Addis Zemen Market, 51 miles northeast of Bahr Dar. Elevation 6,600 feet.
298554. ELS 6404-17. Bahr Dar Market, southern edge of Lake Tana. Elevation 6,100 feet.
298555. ELS 6404-18. Bahr Dar Market. Elevation 6,100 feet.
298556. ELS 6404-19. Dembecho Market, 230 miles northwest of Addis Ababa. Elevation 7,000 feet.
298557. ELS 6404-20. Gonju Market, 35 miles northwest of Addis Ababa. Elevation 8,600 feet.
298558. ELS 6404-21. Gonju Market. Elevation 8,600 feet.
298559. ELS 6404-22. Natr Market, 139 miles southwest of Addis Ababa. Elevation 6,300 feet.
298560. ELS 6404-23. Sombru Market, 15 miles southwest of Jimma. Elevation 6,300 feet.
298561. ELS 6404-24. Shabe, 30 miles southwest of Jimma. Elevation 5,800 feet.
298562. ELS 6404-25. Agoro Market, near Jimma. Elevation 8,000 feet.
298563. ELS 6404-26. Village market, near Jimma. Elevation 5,900 feet.
298564. ELS 6404-27. Village market, 60 miles southwest of Addis Ababa. Elevation 8,000 feet.
298565. ELS 6404-28. Assella Market, southeast of Addis Ababa. Elevation 7,800 feet.
298566. ELS 6404-29. Adaba Market, 60 miles east of Shashamanne. Elevation 7,800 feet.
298567. ELS 6404-30. Adaba Market. Elevation 7,800 feet.
298568. ELS 6404-31. Adaba Market. Elevation 7,800 feet.

298542 to 298587—Continued

298569. ELS 6404-32. Adaba Market. Elevation 7,800 feet.
 298570. ELS 6404-33. Cojole Market, 18 miles east of Shashamanne. Elevation 8,800 feet.
 298571. ELS 6404-39. Fiche Road, 88 miles south of Debre Markos. Elevation 8,400 feet.
 298572. ELS 6404-40. Fiche Road, 77 miles northwest of Addis Ababa. Elevation 9,900 feet.
 298573. ELS 6404-41. Fiche Road, 46 miles northwest of Addis Ababa. Elevation 8,800 feet.
 298574. ELS 6404-42. Fiche Road, 41 miles northwest of Addis Ababa. Elevation 8,600 feet.
 298575. ELS 6404-43. Santamma, near Jimma. Elevation 7,900 feet.
 298576. ELS 6404-44. Near Jimma. Elevation 8,400 feet.
 298577. ELS 6404-45. Fifty-four miles southeast of Jimma. Elevation 8,500 feet.
 298578. ELS 6404-46. Fifty-four miles southeast of Jimma. Elevation 8,500 feet.
 298579. ELS 6404-47. Sixty-five miles southeast of Jimma. Elevation 7,600 feet.
 298580. ELS 6404-48. Assella Road, 95 miles southeast of Addis Ababa. Elevation 7,200 feet.
 298581. ELS 6404-49. Eighteen miles north of Assella. Elevation 7,200 feet.
 298582. ELS 6404-50. Twenty-four miles north of Assella. Elevation 6,100 feet.
 298583. ELS 6404-51. Twenty-four miles north of Assella. Elevation 6,100 feet.
 298584. ELS 6404-52. Forty-eight miles east of Shashamanne, towards Goba. Elevation 7,800 feet.
 298585. ELS 6404-53. Seventy-two miles east of Shashamanne, towards Goba. Elevation 9,300 feet.
 298586. ELS 6404-54. Seventy-five miles east of Shashamanne, towards Goba. Elevation 9,300 feet.
 298587. ELS 6404-55. Sixty-one miles east of Shashamanne, towards Ababa. Elevation 7,900 feet.

298588 to 298596. PENNISETUM SPICATUM (L.) Willd.

Gramineae.

Pearl millet.

From Nigeria. Seeds presented by the Agricultural Research Station, Kano. Received June 17, 1964.

Dauro millets.

- | | |
|----------------------|----------------------|
| 298588. Gal. | 298593. Nyango. |
| 298589. Gwang. | 298594. Riyam local. |
| 298590. Haipang. | 298595. Vivang. |
| 298591. Kevon No. 1. | 298596. Wereng. |
| 298592. Kevon No. 2. | |

298597 to 298601. RICINUS COMMUNIS L. Euphorbiaceae.**Castorbean.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received June 17, 1964.

298597 to 298601—Continued

298597. L. 3, F.7, 2-2-1-1-2-1, IAC-38 × 'Cimarron'.
 298598. L. 5, F.7, 3-2-2-1-1-1, IAC-38 × 'Cimarron'.
 298599. L. 16, F.7, 10-1-1-1-5-1, IAC-38 × 'Cimarron'.
 298600. L. 22, F.7, 10-1-1-5-1-1, IAC-38 × 'Cimarron'.
 298601. L. 38, F.7, 10-1-4-6-5-1, IAC-38 × 'Cimarron'.

298602. LYCOPERSICON ESCULENTUM Mill. Solanaceae.**Tomato.**

From India. Seeds presented by L. R. Caskey, New Delhi. Received June 17, 1964.

'Sutton's Best of All'. Plant bears heavy crop in large bunches at short intervals; fruit sets freely, of good form and size, smooth, relatively solid with little seed, deep scarlet. Selected for freedom from cracking and green shoulders. Popular Indian variety.

298603. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From the Republic of South Africa. Seeds presented by the Agricultural Research Station, Bethlehem, Orange Free State. Received June 17, 1964.

'Betana'.

298604 to 298627.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipai, Taiwan. Received June 17, 1964.

298604. CENTROSEMA PUBESCENS Benth. Leguminosae.

C-25.

298605. CLITORIA RUBIGINOSA Juss. ex Pers. Leguminosae.

C-35.

298606. CROTALARIA SALTIANA Andrews Leguminosae.

E-21.

298607 and 298608. DESMODIUM INTORTUM (Mill.) Urb. Leguminosae.

298607. C-18.

298608. C-41.

298609. DESMODIUM OVALIFOLIUM Guill. & Perr. Leguminosae.

C-34.

298610. DESMODIUM UNCINATUM (Jacq.) DC.

C-67.

298611 to 298616. GLYCINE JAVANICA L. Leguminosae.

298611. C-47.

298614. C-74.

298612. C-53.

298615. C-77.

298613. C-70.

298616. C-78.

298617. INDIGOFERA ENDECAPHYLLA Jacq. Leguminosae. Creeping indigo.

C-27.

298618 to 298623. LEUCAENA LEUCOCEPHALA (Lam.) de Wit Leguminosae. Leadtree.

298618. C-60.

298621. C-63.

298619. C-61.

298622. C-64.

298620. C-62.

298623. C-65.

298604 to 298627—Continued

298624. PHASEOLUS ATROPURPUREUS DC. Leguminosae.

C-155.

298625. PHASEOLUS CALCARATUS Roxb.

Rice bean.

E-12.

298626. SESBANIA SESBAN (L.) Merr. Leguminosae.

C-37.

298627. STYLOSANTHES GRACILIS H.B.K. Leguminosae.

C-45.

298628. RUBUS RIGIDUS DC. Rosaceae.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria, via the United States Embassy. Received June 17, 1964.

DL/64/406.

298629 and 298630. SESAMUM INDICUM L. Pedaliaceae.

Sesame.

From the United Arab Republic (Egypt). Seeds presented by the Ministry of Agriculture, Cairo. Received June 17, 1964.

298629. 'Giza 23', "white".

298630. 'Giza 24', "red".

298631. LENS CULINARIS Medic. Leguminosae.

Lentil.

From Peru. Seeds presented by the United States Embassy, Lima. Received June 17, 1964.

Pampas District, Tayacaja Province, Huancavelica Department, Highlands Zone.

298632. HELIANTHUS ANNUUS L. Compositae.

Sunflower.

From the Union of Soviet Socialist Republics. Seeds presented by the Saratov Scientific Research Institute, Saratov, via the All-Union Institute of Plant Industry, Leningrad and E. F. Morley, Sunnymead, Calif. Received June 17, 1964.

'Saratovski'. Seeds black, large.

298633. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Breeding, Leningrad. Received June 17, 1964.

'Pioner 2761'. Moscow region. "Frost resistant".

298634 to 298638.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received June 17, 1964.

298634 and 298635. ARACHIS VILLOSA var. CORRENTINA Burkart

Leguminosae.

298634. No. 2. Manfredi collection. Herbarium No. 7830, Krapov. From Arroyo Riachuelo—Route 12, Corrientes.

298635. No. 3. Manfredi collection. Herbarium No. 7897, Krapov. Ten km. west of Ituzaingo, Route 6, Corrientes.

298636. ARACHIS VILLOSA Benth. var. VILLOSA

No. 8. Manfredi collection. Herbarium No. 22.585, Burkart. Federacion-Santa Ana-Entre Rios area.

298634 to 298638—Continued**298637. ARACHIS sp.**

No. 105. Manfredi collection. Herbarium No. 7910, Krapov. Frente Hotel, San Ignacio, Misiones.

298638. ARACHIS sp.

No. 106. Manfredi collection. Herbarium No. 7934, Krapov. From Arroyo Pindapoy, Misiones.

298639. ARACHIS sp. Leguminosae.

From Bolivia. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires, Argentina. Received June 17, 1964.

No. 29, Manfredi collection. Herbarium No. 9484, Krapov. From Rio Parapeti.

298640 and 298641.

From Brazil. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires, Argentina. Received June 17, 1964.

298640. ARACHIS sp. Leguminosae.

No. 145, Manfredi collection. Herbarium No. 9650, Greg.-Krapov.-Pietr. Mato Grosso, 20–25 km. from Bela Vista, Paraguayan border.

298641. ARACHIS sp.

No. 162, Manfredi collection. Herbarium No. 9637, Greg.-Krapov.-Pietr. Mato Grosso, 10 km. from Colonia Penzo, between Ponta Pora and Bela Vista.

298642. ARACHIS sp. Leguminosae.

From Paraguay. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires, Argentina. Received June 17, 1964.

No. 141, Manfredi collection. Herbarium No. 9606, Greg.-Krapov.-Pietr. Pastoreo, along Route 2, north.

298643. ARACHIS HYPOGAEA L. Leguminosae.

From El Salvador. Seeds presented by Amish Mennonite Aid, Sitio del Nino. Received June 18, 1964.

298644 and 298645. LENS CULINARIS Medic. Leguminosae.**Lentil.**

From Spain. Seeds presented by the United States Embassy, Madrid. Received June 18, 1964.

298644. Cuenca ecotype.

298645. Toledo ecotype.

298646 to 298654. CAPSICUM ANNUM L. Solanaceae. Pimento.

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received June 18, 1964.

298646. 'Paprika Pepper'.

298647. 'Pimiento Bola'.

298648. 'Pimiento Cuerno de Cabia'.

298649. 'Pimiento deCristal'.

298650. 'Pimiento Largo Grueso'. Mature fruits purplish to red.

298651. 'Pimiento Morro de Vaca'. Mature fruit red.

298652. 'Pimiento Morron'. Canning type.

298653. 'Pimiento Morron de Conserva'. Fruits red, conical, thick fleshed, sweet; used for canning.

298646 to 298654—Continued

298654. 'Pimiento Morron de Conserva'. No data.

298655. HORDEUM VULGARE L. Gramineae.

From Jordan. Seeds collected by C. E. H. Thomas, Redding University, England, and presented by E. L. Smith, U.S. Agency for International Development, Debre Zeit, Ethiopia. Received June 18, 1964.

CEHT-7. Jerusalem market.

298656 to 298817—Continued

From Ethiopia. Seeds collected by C. E. H. Thomas, Redding University, England, and presented by E. L. Smith, United States for International Development, Debre Zeit. Received June 18, 1964.

298656 to 298689. HORDEUM DEFICIENS Steud. Gramineae.**Deficient barley.**

298656. ELS 6402-269. Danghila, south of Lake Tana. Elevation 6,400 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298657. ELS 6402-270. Danghila, south of Lake Tana. Elevation 6,400 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
298658. ELS 6402-287. Fiche Road, 87 miles northwest of Addis Ababa. Elevation 9,600 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298659. ELS 6402-306. Twenty-seven miles southwest of Jimma, towards Shabe. Elevation 6,800 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
298660. ELS 6402-307. Twenty-seven miles southwest of Jimma, towards Shabe. Elevation 6,800 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
298661. ELS 6402-308. Twenty-seven miles southwest of Jimma, towards Shabe. Elevation 6,800 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
298662. ELS 6402-310. Northwest of Jimma, towards Santamma. Elevation 7,700 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298663. ELS 6402-311. Northwest of Jimma, towards Santamma. Elevation 7,700 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298664. ELS 6402-312. Northwest of Jimma, towards Santamma. Elevation 7,700 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298665. ELS 6402-313. Northwest of Jimma, towards Santamma. Elevation 7,700 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298666. ELS 6402-319. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,000 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298667. ELS 6402-320. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,000 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs long.
298668. ELS 6402-326. Old Olmo Road, 63 miles southeast of Jimma. Elevation 8,100 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298669. ELS 6402-327. Old Olmo Road, 63 miles southeast of Jimma. Elevation 8,100 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs long.

298656 to 298817.

298656 to 298689—Continued

298670. ELS 6402-330. Fifty-two miles southeast of Jimma. Elevation 8,000 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298671. ELS 6402-331. Fifty-two miles southeast of Jimma. Elevation 8,000 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
298672. ELS 6402-337. Sixty-two miles southeast of Jimma. Elevation 8,700 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298673. ELS 6402-345. Sixty-one miles southeast of Jimma. Elevation 8,800 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298674. ELS 6402-349. Assella Road, 80 miles south of Addis Ababa. Elevation 5,700 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298675. ELS 6402-350. Assella Road, 80 miles south of Addis Ababa. Elevation 5,700 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298676. ELS 6402-352. Assella Road, 95 miles south of Addis Ababa. Elevation 7,200 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298677. ELS 6402-355. Assella Road, 95 miles south of Addis Ababa. Elevation 7,200 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298678. ELS 6402-356. Assella Road, 95 miles south of Addis Ababa. Elevation 7,200 miles. Kernels black; awns rough; caryopsis covered; rachilla hairs long.
298679. ELS 6402-357. Two miles north of Assella. Elevation 7,500 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298680. ELS 6402-359. Two miles north of Assella. Elevation 7,500 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
298681. ELS 6402-360. Two miles north of Assella. Elevation 7,500 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298682. ELS 6402-361. Two miles north of Assella. Elevation 7,500 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
298683. ELS 6402-362. Two miles north of Assella. Elevation 7,500 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298684. ELS 6402-365. Eighteen miles north of Assella. Elevation 7,200 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298685. ELS 6402-366. Eighteen miles north of Assella. Elevation 7,200 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
298686. ELS 6402-368. Thirty-four miles north of Assella. Elevation 5,400 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298687. ELS 6402-369. Thirty-four miles north of Assella. Elevation 5,400 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298688. ELS 6402-384. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.

298656 to 298817—Continued**298656 to 298689—Continued**

298689. ELS 6402-392. Nine miles east of Shashamanne, towards Ababa. Elevation 8,100 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.

298690 and 298691. HORDEUM DISTICHON L.

298690. ELS 6402-374. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.

298691. ELS 6402-385. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels white; awns rough; caryopsis unknown; rachilla hairs short.

298692 to 298734. HORDEUM IRREGULARE Aberg & Wiebe Gramineae.**Barley.**

298692. ELS 6402-271. Near Debre Markos. Elevation 8,300 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.

298693. ELS 6402-272. Near Debre Markos. Elevation 8,300 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.

298694. ELS 6402-273. Fiche Road, 88 miles south of Debre Markos. Elevation 8,400 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298695. ELS 6402-274. Fiche Road, 88 miles south of Debre Markos. Elevation 8,400 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298696. ELS 6402-275. Fiche Road, 96 miles south of Debre Markos. Elevation 10,000 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.

298697. ELS 6402-278. Fiche Road, 100 miles south of Debre Markos. Elevation 10,100 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298698. ELS 6402-279. Fiche Road, 100 miles south of Debre Markos. Elevation 10,100 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.

298699. ELS 6402-280. Fiche Road, 100 miles south of Debre Markos. Elevation 10,100 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298700. ELS 6402-288. Fiche Road, 87 miles northwest of Addis Ababa. Elevation 9,600 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298701. ELS 6402-289. Fiche Road, 87 miles northwest of Addis Ababa. Elevation 9,600 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298702. ELS 6402-294. Fiche Road, 80 miles northwest of Addis Ababa. Elevation 10,100 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.

298703. ELS 6402-295. Fiche Road, 80 miles northwest of Addis Ababa. Elevation 10,100 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298704. ELS 6402-296. Fiche Road, 80 miles northwest of Addis Ababa. Elevation 10,100 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.

298705. ELS 6402-300. Fiche Road, 19 miles northwest of Addis Ababa. Elevation 8,600 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.

298656 to 298817—Continued

298692 to 298734—Continued

298706. ELS 6402-309. Twenty-seven miles southwest of Jimma towards Shabe. Elevation 6,800 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298707. ELS 6402-316. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,400 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298708. ELS 6402-317. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,400 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298709. ELS 6402-318. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,400 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298710. ELS 6402-321. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,000 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298711. ELS 6402-322. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,000 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298712. ELS 6402-323. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,000 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298713. ELS 6402-324. Old Olmo Road, 63 miles southeast of Jimma. Elevation 8,100 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs long.
298714. ELS 6402-329. Old Olmo Road, 63 miles southeast of Jimma. Elevation 8,100 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs long.
298715. ELS 6402-332. Fifty-two miles southeast of Jimma. Elevation 8,000 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298716. ELS 6402-333. Fifty-two miles southeast of Jimma. Elevation 8,000 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298717. ELS 6402-334. Fifty-four miles southeast of Jimma. Elevation 8,500 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298718. ELS 6402-335. Fifty-four miles southeast of Jimma. Elevation 8,500 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298719. ELS 6402-338. Sixty-two miles southeast of Jimma. Elevation 8,700 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298720. ELS 6402-339. Sixty-two miles southeast of Jimma. Elevation 8,700 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298721. ELS 6402-346. Sixty-one miles southeast of Jimma. Elevation 8,800 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298722. ELS 6402-348. Sixty-one miles southeast of Jimma. Elevation 8,800 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298723. ELS 6402-351. Assella Road, 80 miles south of Addis Ababa. Elevation 5,700 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.

298656 to 298817—Continued

298692 to 298734—Continued

298724. ELS 6402-353. Assella Road, 95 miles south of Addis Ababa. Elevation 7,200 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298725. ELS 6402-354. Assella Road, 95 miles south of Addis Ababa. Elevation 7,200 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298726. ELS 6402-358. Two miles north of Assella. Elevation 7,500 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298727. ELS 6402-363. Two miles north of Assella. Elevation 7,500 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298728. ELS 6402-364. Two miles north of Assella. Elevation 7,500 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298729. ELS 6402-367. Eighteen miles north of Assella. Elevation 7,200 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.
298730. ELS 6402-370. Six miles east of Shashamanne, towards Goba. Elevation 7,600 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298731. ELS 6402-387. Seventy-nine miles east of Shashamanne, towards Goba. Elevation 11,200 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298732. ELS 6402-388. Seventy-nine miles east of Shashamanne, towards Goba. Elevation 11,200 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298733. ELS 6402-391. Nine miles east of Shashamanne, toward Goba. Elevation 8,100 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298734. ELS 6402-394. Six miles northeast of Debre Berhan. Elevation 9,200 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298735 to 298812. HORDEUM VULGARE L.

298735. ELS 6402-276. Fiche Road, 100 miles south of Debre Markos. Elevation 10,100 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298736. ELS 6402-277. Fiche Road, 100 miles south of Debre Markos. Elevation 10,100 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298737. ELS 6402-281. Fiche Road, 100 miles south of Debre Markos. Elevation 10,100 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298738. ELS 6402-282. Fiche Road, 100 miles south of Debre Markos. Elevation 10,100 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298739. ELS 6402-283. Fiche Road, 106 miles south of Debre Markos. Elevation 10,000 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.
298740. ELS 6402-284. Fiche Road, 106 miles south of Debre Markos. Elevation 10,000 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.
298741. ELS 6402-285. Fiche Road, 87 miles northwest of Addis Ababa. Elevation 9,600 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs long.

298656 to 298817—Continued

298735 to 298812—Continued

298742. ELS 6402-289. Fiche Road, 87 miles northwest of Addis Ababa. Elevation 9,600 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
298743. ELS 6402-290. Fiche Road, 86 miles northwest of Addis Ababa. Elevation 10,200 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298744. ELS 6402-291. Fiche Road, 86 miles northwest of Addis Ababa. Elevation 10,200 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298745. ELS 6402-292. Fiche Road, 86 miles northwest of Addis Ababa. Elevation 10,200 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
298746. ELS 6402-293. Fiche Road, 84 miles northwest of Addis Ababa. Elevation 10,200 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298747. ELS 6402-297. Fiche Road, 80 miles northwest of Addis Ababa. Elevation 10,100 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298748. ELS 6402-298. Fiche Road, 77 miles northwest of Addis Ababa. Elevation 9,900 feet. Kernels blue; awns rough; caryopsis naked; rachilla hairs short.
298749. ELS 6402-299. Fiche Road, 77 miles northwest of Addis Ababa. Elevation 9,900 feet. Kernels white; awns rough; caryopsis naked; rachilla hairs short.
298750. ELS 6402-301. Fiche Road, 19 miles northwest of Addis Ababa. Elevation 8,600 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298751. ELS 6402-302. Sixteen miles south of Jimma. Elevation 7,400 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298752. ELS 6402-303. Sixteen miles south of Jimma. Elevation 7,400 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298753. ELS 6402-304. Fifteen miles south of Jimma. Elevation 7,600 feet. Kernels white; awns rough; caryopsis naked; rachilla hairs short.
298754. ELS 6402-305. Fifteen miles south of Jimma. Elevation 7,600 feet. Kernels white; awns rough; caryopsis naked; rachilla hairs short.
298755. ELS 6402-314. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,400 feet. Kernels white; awns rough; caryopsis naked; rachilla hairs short.
298756. ELS 6402-315. Three miles northwest of Santamma (northwest of Jimma). Elevation 8,400 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298757. ELS 6402-336. Fifty-four miles southeast of Jimma. Elevation 8,500 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298758. ELS 6402-340. Sixty-two miles southeast of Jimma. Elevation 8,700 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298759. ELS 6402-341. Sixty-two miles southeast of Jimma. Elevation 8,700 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs long.
298760. ELS 6402-342. Sixty-two miles southeast of Jimma. Elevation 8,700 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.

298656 to 298817—Continued

298735 to 298812—Continued

298761. ELS 6402-343. Sixty-two miles southeast of Jimma. Elevation 8,700 feet. Kernels white; awns rough; caryopsis naked; rachilla hairs short.
298762. ELS 6402-344. Sixty-two miles southeast of Jimma. Elevation 8,700 feet. Kernels blue; awns rough; caryopsis naked; rachilla hairs short.
298763. ELS 6402-347. Sixty-one miles southeast of Jimma. Elevation 8,800 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298764. ELS 6402-371. Six miles east of Shashamanne, towards Goba. Elevation 7,600 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298765. ELS 6402-375. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298766. ELS 6402-376. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298767. ELS 6402-377. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298768. ELS 6402-378. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298769. ELS 6402-379. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298770. ELS 6402-380. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.
298771. ELS 6402-381. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298772. ELS 6402-382. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298773. ELS 6402-386. Seventy-nine miles east of Shashamanne, towards Goba. Elevation 11,200 feet. Kernels purple; awns rough; caryopsis covered; rachilla hairs short.
298774. ELS 6402-389. Nine miles east of Shashamanne, towards Adaba. Elevation 8,100 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.
298775. ELS 6402-390. Nine miles east of Shashamanne, towards Adaba. Elevation 8,100 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.
298776. ELS 6302-393. Six miles northeast of Debre Berhan. Elevation 9,200 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs short.
298777. ELS 6302-395. Near Debre Berhan, 77 miles northeast of Addis Ababa. Elevation 9,400 feet. Kernels blue; awns rough; caryopsis naked; rachilla hairs short.
298778. ELS 6302-396. Near Debre Berhan, 77 miles northeast of Addis Ababa. Elevation 9,400 feet. Kernels white; awns rough; caryopsis naked; rachilla hairs short.

298656 to 298817—Continued**298735 to 298812—Continued**

298807. ELS 6402-425. Adaba market, near Shashamanne. Elevation 7,700 feet.
298808. ELS 6402-426. Dembacha market, 230 miles northwest of Addis Ababa. Elevation 7,000 feet.
298809. ELS 6402-427. Sheki market, near Jimma. Elevation 7,000 feet.
298810. ELS 6402-428. Natr market, near Jimma. Elevation 6,300 feet.
298811. ELS 6402-429. Debre Berhan market, northeast of Addis Ababa.
298812. ELS 6402-430. Santamma market, Jimma area. Elevation 7,900 feet.

298813. HORDEUM sp.

ELS 6402-325. Old Omo Road, 63 miles southeast of Jimma. Elevation 8,100 feet. Kernels black; awns rough; caryopsis covered; rachilla hairs long.

298814. HORDEUM sp.

ELS 6402-328. Old Omo Road, 63 miles southeast of Jimma. Elevation 8,100 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs long.

298815. HORDEUM sp.

ELS 6402-372. Six miles east of Shashamanne, towards Goba. Elevation 7,600 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.

298816. HORDEUM sp.

ELS 6402-373. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels white; awns rough; caryopsis covered; rachilla hairs short.

298817. HORDEUM sp.

ELS 6402-383. Eighty-one miles east of Shashamanne, towards Goba. Elevation 11,500 feet. Kernels blue; awns rough; caryopsis covered; rachilla hairs short.

298818 to 298825.

From Peru. Seeds presented by the Universidad Agraria, Departamento de Horticultura, La Molina, Lima. Received June 22, 1964.

298818. CUCURBITA MAXIMA Duchesne. Cucurbitaceae. Squash.

'Zapallo Macre'. Planted 12-18 feet apart, growing period 6-7 months; fruits 40-80 lbs; skin variously colored; flesh soft, dark orange or yellow green, good quality.

298819 to 298824. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

All seeds are ovoid, ranging from light tan to a dark purplish brown. Some are mottled. Their peculiarity is in their use. Fried in oil they pop like popcorn. Growing period 6 months in the north central Andes of Peru, under fall conditions (conditions probably similar to our early spring).

- | | |
|-------------------|-------------------|
| 298819. 'Nuna 1'. | 298822. 'Nuna 4'. |
| 298820. 'Nuna 2'. | 298823. 'Nuna 5'. |
| 298821. 'Nuna 3'. | 298824. 'Nuna 6'. |

298825. ZEA MAYS L. Gramineae.

'Pardo'. Kernels large, flat, nearly white. Used as sweet corn.

298826 to 298881. ARACHIS HYPOGAEA L. Leguminosae.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria, via the United States Embassy. Received June 22, 1964.

- 298826. P. 699. 'Ant Barbados'. Pods large, 2 seeded.
- 298827. P. 700. 'Bourbon'. Pods large, 2 seeded.
- 298828. P. 938. 'Maritius'. Pods small, 2 seeded.
- 298829. P. 1203. 'Tjina'. Pods small, 2 seeded.
- 298830. P. 1251. H.G.I. Pods large, 2 seeded.
- 298831. P. 1424. 'Punjab'. Pods small, 2 seeded.
- 298832. P. 1427. 'Punjab'. Pods medium, 2 seeded.
- 298833. P. 1429. 'Lyallpur Punjab'. Pods medium, 2 seeded.
- 298834. P. 1781. 'Sekelembwe'. Pods medium, 2 and 3 seeded.
- 298835. P. 1782. 'Yanona'. Pods medium, kernels large.
- 298836. P. 1786. 'Chikumó'. Pods medium, 2 seeded.
- 298837. P. 1790. 'Petauke Zakayowa'. Pods medium, 2 seeded.
- 298838. P. 1816. 'Amendoim-60'. From Brazil. Pods large, 2 seeded.
- 298839. P. 1817. 'Amendoim-61'. From Brazil. Pods large, 2 seeded.
- 298840. P. 2276. 'Baladi Runner'. Pods small, 2 seeded.
- 298841. P. 2653. 'Amendiom Gete'. Pods medium, 2 seeded.
- 298842. P. 2659. 'Machagan'. Pods large, 2 seeded.
- 298843. P. 2671. 'Guatemala'. Pods large, 2 seeded.
- 298844. P. 2719. 'Chine'. Pods large, 2 seeded.
- 298845. P. 4080. 'Virginia Giant'. Pods extra large, 2 seeded.
- 298846. P. 4146. 'Virginia Runner'. Pods large, 2 seeded.
- 298847. P. 4190. C 12. From Israel. Pods large, 2 seeded.
- 298848. P. 4210. 'Tachi'. Pods large, 2 seeded.
- 298849. P. 4215. 'Egyptian Runner'. Pods large, 2 seeded.
- 298850. P. 4285. V.A. 36. Pods medium, 3 seeded.
- 298851. P. 4569. 'Paraquassi'. Pods large, 3 seeded.
- 298852. P. 4578. 'Medium Runner'. Pods large, 2 seeded.
- 298853. P. 4754. 'Somali'. Pods medium, 2 seeded.
- 298854. P. 4815. 'Jumbo Runner'. Pods large, 2 seeded.
- 298855. P. 4832. 'Brazil Bunch'. Pods small, 2 seeded.
- 298856. P. 4847. 'India Runner'. Pods small, 2 seeded.
- 298857. P. 4942. 'Mgongo'. Pods large, 3 seeded.
- 298858. P. 4955. 'Basse'. Pods small, 2 seeded.
- 298859. P. 4956. 'Chuper'. Pods medium, 2 seeded.
- 298860. P. 4962. 'G 11 Chuper'. From Gambia. Pods small, 2 seeded.
- 298861. P. 4964. 'Philippine Pink'. Pods medium, 2 seeded.
- 298862. P. 4965. 'Samatigo'. Pods large, 2 seeded.
- 298863. P. 5149. From Gambia. Pods very small, 2 seeded.
- 298864. P. 5151. From Gambia. Pods very small, 2 seeded.
- 298865. P. 5154. 'Chitanga Spreading'. Pods extra large, 2 seeded.

298826 to 298881—Continued

298866. P. 5160. 'Volta 1041'. Pods medium, 2 seeded.
 298867. P. 5162. 'Volta 1047'. Pods small, 2 seeded.
 298868. P. 5163. 'Volta 1172'. Pods small, 2 seeded.
 298869. P. 5181. P.G. 52. Pods large, 2 seeded.
 298870. 42 G 105. Pods medium, 2 and 3 seeded.
 298871. 43 G 68. Pods large, 3 seeded.
 298872. 43 G 90A. Pods large, 2 seeded.
 298873. 43 G 348. Pods medium, 2 seeded.
 298874. 44 G 346. Pods large, 3 seeded.
 298875. 51 G 6E. Pods large, 2 seeded.
 298876. 51 G 51D. Pods small, 2 seeded.
 298877. 51 G 348. Pods medium, 2 seeded.
 298878. 52 G 25. Pods large, 2 seeded.
 298879. 52 G 120C. Pods large, 2 seeded.
 298880. 52 G 130B. Pods large, 1 and 2 seeded.
 298881. 875. 'Boal'. Pods small, 2 seeded.

298882 and 298883.

From Argentina. Seeds presented by the Estacion Experimental Agricola, Tucuman. Received June 24, 1964.

298882. *PASSIFLORA* sp. Passifloraceae.

Near water furrow in relatively dry area with autumn-winter rains, cold, frequently frosty winters, and hot dry summers, "Las Vertientes", Department of Guemes, Province of Salta. Petioles smooth; leaves trifid, entire; flowers white; fruit conical, to 4 cm. long, green when immature, yellow when fully ripe; pulp orange colored.

298883. *PASSIFLORA* sp.

On fence, in wild, Chalican, Department of Ledesma, Province of Jujuy, 70 km. north of Guemes. Petioles and tendrils smooth; leaves palmate, 5 lobed, serrate; flowers purple; fruit globose, about 5 cm. diameter, yellow when mature; pulp uncolored.

298884 and 298885.

From the Republic of South Africa. Plants purchased from G. McNeil, Ofcolaca, North Transvaal. Received June 24, 1964.

298884. *CLIVIA CAULESCENS* R. A. Dyer Amaryllidaceae.

298885. *CLIVIA MINIATA* (Lindl.) Regel Scarlet kafirily.

298886. *OLEA EUROPAEA* L. Oleaceae. Common olive.

From Bermuda. Cuttings presented by the Department of Agriculture, Paget. Received June 29, 1964.

From tree located at King Edward VII Memorial Hospital, Paget. Fruits annually.

298887 to 298907.

From the United States. Seeds held in storage at the United States Regional Plant Introduction Station, Ames, Iowa. Numbered June 29, 1964.

298887 to 298889. *AEGILOPS CAUDATA* L. Gramineae.

298887. Component of *A. triaristata*, P.I. 170214, Turkey.

298888. Component of *A. triaristata*, P.I. 178821, Turkey.

298889. Component of *A. triaristata*, P.I. 179160, Turkey.

298887 to 298907—Continued**298890.** AEGILOPS TRIARISTATA Willd.Component of *A. triuncialis*, P.I. 219868, Iraq.**298891.** AEGILOPS CAUDATA L.Component of *A. squarrosa*, P.I. 220642, Afghanistan.**298892.** AEGILOPS CRASSA Boiss.Component of *A. squarrosa*, P.I. 220641, Afghanistan.**298893.** AEGILOPS CYLINDRICA Host.**Jointed goatgrass.**Component of *A. triuncialis*, P.I. 220330, Afghanistan.**298894 to 298898.** AEGILOPS TRIARISTATA Willd.**298894.** Component of *A. triuncialis*, P.I. 170211, Turkey.**298895.** Component of *A. triuncialis*, P.I. 219797, Iraq.**298896.** Component of *A. triuncialis*, P.I. 219865, Iraq.**298897.** Component of *A. triuncialis*, P.I. 219866, Iraq.**298898.** Component of *A. triuncialis*, P.I. 219867, Iraq.**298899 to 298904.** AEGILOPS TRIUNCIALIS L.**Barb goatgrass.****298899.** Component of *A. triaristata*, P.I. 170201, Turkey.**298900.** Component of *A. ovata*, P.I. 170205, Turkey.**298901.** Component of *A. triaristata*, P.I. 170214, Turkey.**298902.** Component of *A. triaristata*, P.I. 173614, Turkey.**298903.** Component of *A. triaristata*, P.I. 173616, Turkey.**298904.** Component of *A. triaristata*, P.I. 178821, Turkey.**298905 to 298907.** AEGILOPS UMBELLULATA Zhuk.**298905.** Component of *A. triaristata*, P.I. 170191, Turkey.**298906.** Component of *A. triuncialis*, P.I. 219864, Iraq.**298907.** Component of *A. triuncialis*, P.I. 219865, Iraq.**298908.** CHAMAELAUCIUM UNCINATUM Schauer. Myrtaceae.

From Australia. Cuttings presented by the King's Park and Botanic Garden, Perth. Received July 1, 1964.

Geraldton Waxflower.

298909 and 298910.

From Australia. Seeds presented by the Oklahoma State University, Stillwater, Okla. Numbered July 2, 1964.

298909. PHASEOLUS ATROPURPUREUS DC. Leguminosae.

Okla. No. M-751. C.P.I. 4030. Tobacco Expt. Sta., Marreba, Queensland, Australia.

298910. PHASEOLUS MUNGO L.**Urd.**

Okla. No. M-752. C.P.I. 5979. Tobacco Expt. Sta., Marreba, Queensland, Australia.

298911 to 298915. PHASEOLUS AUREUS Roxb. Leguminosae.**Mung bean.**

From China. Seeds presented by the Oklahoma State University, Stillwater, Okla. Numbered July 2, 1964.

298911. Okla. No. 651. 'Luh Tou'. Taiwan seed dealer.**298912.** Okla. No. 725. 'Heh-co'. Taiwan Agricultural Research Institute.

298911 to 298915—Continued

298913. Okla. No. 726. 'Tsai-lie-chun'. Taiwan Agricultural Research Institute.

298914. Okla. No. 727. 'Bir-chia-yu-pi'. Taiwan Agricultural Research Institute.

298915. Okla. No. 728. 'Chih-co'. Taiwan Agricultural Research Institute.

298916. PHASEOLUS sp. Leguminosae.

From Peru. Seeds presented by the Oklahoma State University, Stillwater, Okla. Numbered July 2, 1964.

Okla. No. M-767. 'Peru'. Camara de Comerico Agricultural Ind. de la Provincia, de Pacasmayo.

298917 to 298920.

From the United States. Seeds presented by the University of Oklahoma, Stillwater. Numbered July 2, 1964.

298917 and 298918. PHASEOLUS AUREUS Roxb. Leguminosae. **Mung bean.**

298917. Okla. No. M-768. Palecek Mills, Enid.

298918. Okla. No. M-769. Palecek Mills, Enid.

298919. PHASEOLUS MUNGO L.

Urd.

Okla. No. M-770. Palecek Mills, Enid.

298920. PHASEOLUS sp.

Okla. No. M-833. M. Turinsk, Route 1, Mounds.

298921 to 298924. LENS CULINARIS Medic. Leguminosae.

Lentil.

From Italy. Seeds presented by the Federazione Italiana dei Consorzi Agrari, Rome. Received July 2, 1964.

298921. 'Altamura'. No. 0. Seeds large.

298922. 'Tipo Castelluccio Piccole'. Seeds small.

298923. 'Tipo Turche No. 1'. Seeds large.

298924. 'Tipo Turche No. 2'. Seeds large.

298925 and 298926. LOLIUM PERENNE L. Gramineae.

Perennial ryegrass.

From Hungary. Seeds presented by the Orszagos Agrobotanikai Intezet, Tapioszele. Received July 2, 1964.

298925. IV-51-27.

298926. IV-51-43.

298927 and 298928. CEPHAELIS IPECACUANHA (Brot.) A. Rich.

Rubiaceae.

Ipecac.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas. Received July 2, 1964.

298927. No. 1.

298928. No. 2.

298929 and 298930.

From Texas. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 2, 1964.

298929. AGAVE GRACILIPES Trel. Amaryllidaceae.

No. 20631. Small scattered population 12 miles north of Allamose, Hudspeth County. Elevation 5,500 feet. Leaves glaucous gray, stiff, sharply awned; panicles to 5 meters high with 10 to 15 small laterals; flowers yellow or flushed with russet; ovary green; flowers and leaves variable.

298930. AGAVE HARVARDIANA Trelease

No. 20630. No field note.

298931. COIX LACHRYMA-JOBI L. Gramineae. **Jobs-tears.**

From Hungary. Seeds presented by the Research Institute for Irrigation and Rice Production, Szarvas, via the National Institute for Agrobotany, Tapioszele. Received July 2, 1964.

Originally from China.

298932. RHODODENDRON UNGERNII Trautv. Ericaceae.

From Great Britain. Seeds presented by Hiller & Sons, Winchester, England. Received July 2, 1964.

298933 to 298944. LYCOPERSICON (hybrids). Solanaceae.

From Poland. Seeds presented by the Institute of Genetics, Polish Academy of Science, Skierniewice. Received July 2, 1964.

There was no data on the species involved in any one of the below accessions, although *L. esculentum* and *L. minutum* were mentioned. Some degenerate plants occur among BC₁ and F₂ of *L. esculentum* × *L. minutum* due to two or more lethal or semi-lethal genetic factors.

298933. No. 1. L. 106 Self. Seeds small.

298934. No. 2. L. 470.

298935. No. 3. L. 82 Self. Seeds not hairy.

298936. No. 4. L. 137.

298937. No. 5. 372/11 Self. Seeds not hairy.

298938. No. 6. 372/17 Self.

298939. No. 7. 372/20 Self.

298940. No. 8. L. 308.

298941. No. 9. L. 310.

298942. No. 10. L. 312.

298943. No. 11. L. 315.

298944. No. 12. L. 471.

298945 to 298950. SACCHARUM (hybrid). Gramineae.**Sugarcane.**

From the Dominican Republic. Cuttings presented by the Central Romana Corporation, La Romana. Received July 6, 1964.

298945. Romana Category I Strain A B 43337-Sample No. 1.

298946. Romana Category II Strain B B 43337-Sample No. 2.

298947. Romana Category II Strain B B 43337-Sample No. 3.

298948. Romana Category IV Strain E B 43337-Sample No. 4.

298949. Romana Category IV Strain E B 43337-Sample No. 5.

298950. Romana Category III Strain D B 37161-Sample No. 6.

298951. SOLANUM (hybrid). Solanaceae.

From the Netherlands. Tubers presented by the Institute of Plantensiektenkundig Onderzoek, Wageningen. Received July 6, 1964.

A6-Test plant *S. demissum* × *S. tuberosum*.

298952. MAGNOLIA SPRENGERI Pampanini. Magnoliaceae.

From the United States. Plant purchased from W. B. Clarke and Company, San Jose, Calif. Numbered July 27, 1964.

'Diva'. U. S. National Arboretum No. 4268. Deciduous tree to 40 feet high; leaves obovate, to 6 inches long; flower buds hardy to Zone 7-b; flowers precocious; late March-early April, cup-shaped, upright, to 8 inches across; tepals 12, rose pink outside, white to pink inside. Native to western Honan, western Hupeh and eastern Szechwan, China.

298953. ORYZA SATIVA L. Gramineae.**Rice.**

From El Salvador. Seeds presented by the Centro Nacional de Agronomia, Santa Tecla. Received July 7, 1964.

Selection IIE.

298954 to 298970. ORYZA SATIVA L. Gramineae.**Rice.**

From Australia. Seeds from the Yance Agricultural Research Station, New South Wales, presented by The International Rice Research Institute Los Banos, Laguna, Philippine Islands. Received July 7, 1964.

All are 'Bluebonnet 50' × 'Calrose' cross selections.

298954. XB-1.	298963. 1-7-4-2-1.
298955. XB-2.	298964. 1-7-4-5.
298956. XB-3.	298965. 1-7-18-3-2.
298957. XB-5.	298966. 1-7-24-1-2.
298958. XB-6.	298967. 1-14-1-2-3.
298959. XB-7.	298968. 1-14-1-3-4.
298960. 1-1-6-3-2.	298969. 1-14-4-1-4.
298961. 1-1-11-3-1.	298970. 1-14-4-3-4.
298962. 1-7-1-1-2.	

298971 to 299000.

From Rhodesia. Seeds presented by the Department of Research and Specialist Services, Salisbury. Received July 7, 1964.

298971 to 298975. BRACHIARIA BRIZANTHA (Hochst.) Stapf Gramineae.

Palisade signalgrass.

298971. Br. B. 2 (K52312).	298974. Br. B. 5 (K52316).
298972. Br. B. 3 (K52313).	298975. Br. B. 6 (K52509).
298973. Br. B. 4 (K52314).	

298976 to 298980. CENCHRUS CILIARIS L. Gramineae.

Buffelgrass.

298976. C. C. 1 (Sebungwe).	298979. C. C. 8 (Lake Manyara).
298977. C. C. 6 (Selous).	298980. C. C. 12 ("D" strain).
298978. C. C. 7 (Makarikari).	

298981 to 298984. CHLORIS GAYANA Kunth Gramineae.

Rhodesgrass.

298981. Ch. G. 6 (Bandai).	298983. Ch. G. 10 (Hunters).
298982. Ch. G. 9 (Nakuru).	298984. Ch. G. 18 (Domo).

298971 to 299000—Continued

298985 and 298986. ERAGROSTIS CURVULA (Schrad.) Nees Gramineae.
Weeping lovegrass.

298985. Eg. C. 2 (Ermelo).

298986. Eg. C. 4 (Cullinan).

298987 to 298989. PANICUM COLORATUM L. Gramineae. Panicgrass.

298987. P. C. 3 (Kabulabula).

298988. P. C. 4 (Devuli).

298989. P. C. 5 (Sebungwe).

298990 to 298999. PANICUM MAXIMUM Jacq. Guineagrass.

298990. P.M. 1 (Nyasaland). 298995. P.M. 7.

298991. P.M. 3 (Katerere). 298996. P.M. 8 (Nata Panicum).

298992. P.M. 4 (Green Panic). 298997. P.M. 9 (Tuli Panicum).

298993. P.M. 5. 298998. P.M. 10 (Victoria Falls).

298994. P.M. 6 (Tabora Panicum). 298999. P.M. 14 (Shashi).

299000. PANICUM MEYERIANUM Nees

P. Me. 2.

299001. AVENA (hybrid). Gramineae.

From Australia. Seeds presented by the Agricultural Research Station, Glen Innes, New South Wales. Received July 7, 1964. Bulk F₂. *A. fatua* × ('Fulgham' × 'Garry' (W4605)).

N.S.W. No. 6206G63.

299002 to 299015.

From the Netherlands. Rooted cuttings presented by the Laboratory of Tropical Agriculture, Wageningen. Numbered July 7, 1964.

299002. COFFEA. Rubiaceae.

Miami No. 19055. 'Conuga', *C. congensis* × *C. canephora*. Originally from Indonesia.

299003 to 299015. COFFEA ARABICA L. Arabian coffee.

299003. Miami No. 19056. 'Kaffa Badabuna'. Ethiopia, 1,800 meters elevation.

Hemileia resistant selections from the Coffee Rust Research Center, Oeiras, Portugal.

299004. Miami No. 19057. Dalecho 68₃U1.

299005. Miami No. 19058. 87₆.

299006. Miami No. 19059. 110₂80.

299007. Miami No. 19060. 134₄163.

299008. Miami No. 19061. 33₁41.

299009. Miami No. 19062. 34₃.

299010. Miami No. 19063. 32₁69.

299011. Miami No. 19064. 32₁71.

299012. Miami No. 19065. 32₁68.

299013. Miami No. 19066. 32₁29.

299014. Miami No. 19067. 134₄212.

299015. Miami No. 19068. 134₄208.

299016. ARACHIS HYPOGAEA L. Leguminosae.

From Argentina. Seeds presented by the Facultad de Agronomia, Corrientes. Received July 9, 1964.

White testa, Spanish variety from San Luis del Palmer, Corrientes Province. Peanuts 3 and 4 seeded.

299017 and 299018.

From the Republic of South Africa. Rhizomes presented by the Durban Municipal Nursery, Botanic Gardens, Durban. Received July 7, 1964.

299017. CANNA sp. Cannaceae.

'Banner'.

299018. CANNA sp.

'King Midas'.

299019 to 299024.

From Italy. Seeds presented by the Food and Agricultural Organization, United Nations, Rome. Received July 7, 1964.

299019 to 299022. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

From Quito, Ecuador.

299019. 'Amarillo'. FAO No. 10.112.

299020. 'Bajo'. FAO No. 10.115.

299021. 'Blanco de Bajio'. FAO No. 10.113.

299022. 'Rosado'. FAO No. 10.114.

299023 and 299024. PISUM SATIVUM L. Leguminosae.

Pea.

From the Fodder Plant Research Institute, Larissa, Greece.

299023. Pisum M 10. FAO No. 12.676.

299024. Pisum M 129. FAO No. 12.675.

299025 and 299026. DAUCUS CAROTA L. Umbelliferae. Carrot.

From Sweden. Seeds presented by the Botanical Garden, Lund. Received July 9, 1964.

299025. No. 1065.

299026. No. 1066.

299027 to 299044.

From Rhodesia. Vegetative material presented by the Grasslands Research Station, Marandellas. Numbered July 9, 1964.

299027. ANDROPOGON GAYANUS var. SQUAMULATUS (Hochst.) Stapf.
Gramineae.

An. G. 1.

299028. BRACHIARIA BRIZANTHA (Hochst.) Stapf Gramineae.

Palisade signalgrass.

Br. B. 1.

299029 and 299030. BRACHIARIA HUMIDICOLA (Rendle) Schweick.

299029. Br. H. 1.

299030. Br. H. 2.

299031. BRACHIARIA LATIFOLIA Stapf

Br. L. 1.

299032. BRACHIARIA MUTICA (Forsk.) Stapf

Br. M. 1.

299027 to 299044—Continued

- 299033 and 299034.** BRACHIARIA RUZIZIENSIS Germain & Evrard.
 299033. Br. R. 2.
 299034. Br. R. 4.
- 299035.** DIGITARIA DIVERSINERVIS (Nees) Stapf Gramineae.
 D. D. 1.
- 299036.** DIGITARIA LONGIFLORA (Retz.) Pers.
 D. L. 1.
- 299037.** DIGITARIA VESTITA Fig. & DeNot.
 D. V. 1.
- 299038.** ERAGROSTIS ATHERSTONEI Stapf Gramineae.
 Eg. A. 1.
- 299039.** HEMARTHRIA ALTISSIMA (Poir.) Stapf & Hubb. Gramineae.
 H. A. 1.
- 299040.** PANICUM DEUSTUM Thunb. Gramineae.
 P. D. 1.
- 299041.** PASPALUM COMMERSONII Lam. Gramineae.
 Pas. C. 2.
- 299042.** PASPALUM VAGINATUM Swartz
 Pas. V. 1.
- 299043.** SETARIA (hybrid.) Gramineae.
 S. X. 1.
- 299044.** SETARIA PHANEROCOCCA Stapf
 S. P. 3.

299045 to 299055.

From the United States. Seeds presented by the University of Minnesota, St. Paul, now held at the Regional Plant Introduction Station, Ames, Iowa. Numbered July 9, 1964.

- 299045 and 299046.** MEDICAGO COERULEA Ledeb. Leguminosae.
 299045. No. 50–110. From Michigan State University, from No. 12821, All-Union Institute of Plant Industry, Leningrad, U.S.S.R. $2n=16$.
299046. No. 59–111. From Michigan State University, from No. 12821, All-Union Institute of Plant Industry, Leningrad, U.S.S.R. $2n=16$.
- 299047.** MEDICAGO FALCATA L. **Yellow-flowered alfalfa.**
 No. 65–151. S-914. Ottawa No. 1291. $2n=16$. Perennial.
- 299048.** MEDICAGO HEMICYCLA Grossh.
 No. 59–112. From Michigan State University, from No. 16650, All-Union Institute of Plant Industry Leningrad, U.S.S.R. $2n=32$.
- 299049.** MEDICAGO MESOPOTAMICA Vassilez.
 No. 59–119. From Canada, from Tashkent. $2n=32$.
- 299050.** MEDICAGO POLYCHROA Grossheim
 No. 59–117. From Canada, from Tiflis, Georgia, U.S.S.R. $2n=32$.
- 299051.** MEDICAGO SATIVA L. **Alfalfa.**
 Col. No. 56–161. S-2128, from Erovan, U.S.S.R. $2n=16$.

299045 to 299055—Continued

299052 and 299053. *MEDICAGO SATIVA* var. *GLUTINOSA* (Bieb.) Urban

299052. No. 59-113. Michigan State University, from 21560 All-Union Institute of Plant Industry, Leningrad, U.S.S.R. 2n=32.

299053. No. 59-114. From Michigan State University, from 29003 All-Union Institute of Plant Industry, Leningrad, U.S.S.R. 2n=32.

299054. *MEDICAGO SUFFRUTICOSA* Ramond ex DC.

No. 56-144. 2n=16.

299055. *MEDICAGO* sp.

No. 59-118. From Canada, from mid-Asia. 2n=32.

299056 to 299081.

From Rhodesia. Seeds presented by the Grasslands Research Station, Marandellas. Received July 9, 1964.

299056 and 299057. *BRACHIARIA RUZIZIENSIS* Germain & Evrard. Gramineae.

299056. Br. R. 1 (K52320).

299057. Br. R. 3 (K55253 A).

299058 to 299061. *DIGITARIA MILANJIANA* (Rendle) Stapf Gramineae.

299058. D.M. 1 (Shamva).

299059. D.M. 2 (Zambesi).

299060. D.M. 3 (Lake Manyara).

299061. D.M. 4 (Junction).

299062. *DIGITARIA SETIVALVA* Stent

D.S. 1 (Bechuanaland).

299063. *DIGITARIA SMUTSII* Stent.

D.S.M. 1.

299064 and 299065. *ERAGROSTIS RIGIDOR* Pilger Gramineae.

299064. Eg. R. 1.

299065. Eg. R. 2.

299066 to 299070. *PASPALUM PLICATULUM* Michx. Gramineae.

Brownseed paspalum.

299066. Pas. P. 1 (C.P.I. 2741).

299067. Pas. P. 2 (C.P.I. 11826).

299068. Pas. P. 3 (C.P.I. 21377).

299069. Pas. P. 4 (C.P.I. 21381).

299070. Pas. P. 5 (C.P.I. 21382).

299071. *PASPALUM POLYSTACHYUM* R. Br.

Pas. Po. 1 (Pungwe).

299072. *SETARIA PHANEROCOCCA* Stapf Gramineae.

S.P. 1.

299073 to 299081. *SETARIA SPHACELATA* (Schum.) Stapf & Hupbb. ex M. B. Moss Millet.

299073. S. Sp. 1 (Grasslands).

299074. S. Sp. 2 (Bua River).

299075. S. Sp. 4 (Kazungula No. 2).

299056 to 299081—Continued**299073 to 299081—Continued**

299076. S. Sp. 5 (Kazungula No. 3).
 299077. S. Sp. 6 (Kafue Bridge).
 299078. S. Sp. 7 (Chisambo).
 299079. S. Sp. 8 (Chambesi).
 299080. S. Sp. 9 (Nandi).
 299081. S. Sp. 10.

299082 to 299109.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 13, 1964.

299082. *AESCHYNOMENE AMERICANA* L. Leguminosae.
 No. 22682.
299083. *AESCHYNOMENE INDICA* L.
 No. 26709.
299084. *ANDROPOGON LATERALIS* Nees Gramineae.
 No. 11768.
299085. *BOTHRIOCHLOA LAGUROIDES* (DC.) Herter Gramineae.
 No. 28283.
299086. *BRACHIARIA RUZIZLENSIS* Germain & Evrard. Gramineae.
 No. 18116.
299087. *DESMODIUM CANUM* (Gmel.) Schinz & Thell. Leguminosae.
Kaimi-clover.
 No. 18687.
299088. *DESMODIUM DISTORTUM* (Aubl.) Macbride
 No. 15288.
299089. *DESMODIUM INTORTUM* (Mill.) Urb.
 No. 18009. 'Greenleaf'.
299090. *DESMODIUM PURPUREUM* Fawcett & Rendle
 No. 24973.
- 299091 to 299094. *DESMODIUM SANDWICENSE* E. Mey.
 299091. No. 18013.
 299092. No. 18160.
 299093. No. 18163.
 299094. No. 18277.
299095. *DESMODIUM UNCINATUM* (Jacq.) DC.
 No. 19677.
299096. *DESMODIUM* sp.
 No. 30011.
- 299097 to 299099. *GLYCINE JAVANICA* L. Leguminosae.
 299097. No. 16830.
 299098. No. 15918.
 299099. No. 25920.
299100. *HYPARRHENIA CLAESSENSII* Robyns Gramineae.
 No. 17267.

299082 to 299109—Continued

299101. *HYPARRHENIA RUFA* (Nees) Stapf. **Jaragua grass.**
No. 16045.
299102. *INDIGOFERA ECHINATA* Willd. Leguminosae.
No. 17183.
299103. *INDIGOFERA SPICATA* Forsk.
No. 28827.
299104. *LOTONONIS BAINESII* Baker. Leguminosae.
No. 24130.
299105. *PANICUM ANTIDOTALE* Retz. Gramineae. **Blue panicgrass.**
No. 25446.
- 299106 to 299109. *PASPALUM NOTATUM* Fluegge Gramineae. **Bahigrass.**
299106. No. 24933. 299108. No. 27673.
299107. No. 27666. 299109. No. 27675.

299110 to 299113.

From Chile. Seeds presented by the Experiment Station, Pirque, through the United States Embassy, Santiago. Received Apr. 2, 1964. Numbered July 13, 1964.

- 299110 to 299112. *AVENA BARBATA* var. *WIESTII* (Steud.) Hausskn. Grami-
neae.
299110. No. 1.
299111. No. 2. Near Maipo river.
299112. No. 3.
299113. *AVENA FATUA* L. **Wild oats.**
- 299114 to 299127. *LENS CULINARIS* Medic. Leguminosae. **Lentil.**

From Mexico. Seeds presented by the United States Embassy, Mexico City. Received July 13, 1964.

All are RINV-63-64.

- | | |
|-------------------|-------------------|
| 299114. Parc 127. | 299121. Parc 207. |
| 299115. Parc 147. | 299122. Parc 212. |
| 299116. Parc 160. | 299123. Parc 248. |
| 299117. Parc 172. | 299124. Parc 284. |
| 299118. Parc 181. | 299125. Parc 293. |
| 299119. Parc 201. | 299126. Parc 299. |
| 299120. Parc 203. | 299127. Parc 326. |

- 299128 to 299131. *BRASSICA OLERACEA* var. *VIRIDIS* L.
Cruciferae. **Kale.**

From Great Britain. Seeds purchased from Thompson and Morgan, Ipswich, England. Received July 13, 1964.

Ornamental kale.

299128. Leaves variegated purple.
299129. Leaves variegated red.
299130. Leaves variegated silver.
299131. Leaves variegated white.

299132. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Australia. Seeds presented by the Department of Agriculture, Sydney. Received July 13, 1964.

'Stockade'.

299133. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Spain. Seeds presented by the Estacion Experimental Aula Dei, Zaragoza. Received July 13, 1964.

'Aragon 03'.

299134 to 299138. CITRUS SINENSIS (L.) Osbeck Rutaceae. Orange.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received July 15, 1964.

299134. 'Barao Folha Fina'.

299135. 'Cipo'.

299136. 'Coroa do Rio'.

299137. 'Sanguinea de Mombuca'.

299138. 'Seleta de Itaborai'.

299139 to 299141.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received July 16, 1964.

299139 and 299140. ARACHIS HYPOGAEA L. Leguminosae.

299139. Variety No. 2.

299140. Variety No. 15.

299141. ARACHIS VILLOSULICARPA Hoehne

V. 44.

299142. LESQUERELLA GORDONII Wats. Cruciferae.

From the United States. Seeds presented by the Entomology Research Division, Agricultural Research Service, Tucson, Arizona. Received July 16, 1964.

Collected in the wild.

299143. VIBURNUM sp. Caprifoliaceae.

From the Netherlands. Scions presented by the Landbouwhogeschool, Wageningen. Received July 17, 1964.

299144 to 299375. LENS CULINARIS Medic. Leguminosae. Lentil.

From Chile. Seeds presented by the United States Embassy, Santiago. All collections from locality of Chillán, Ñuble Province, unless otherwise indicated. Received July 20, 1964.

P.I. No. is followed by Local No.

299144. 1001. La Ligua, Aconcagua.

299145. 1002. Catapilco, Valparaíso.

299146. 1003. Angol, Malleco.

299147. 1005. Llolleo, Santiago.

299148. 1008. Mulchen, Bío-Bío.

299149. 1009. Matanzas, Santiago.

299150. 1010. Zapallar, Aconcagua.

299144 to 299375—Continued

299151. 1012. Longotoma, Aconcagua.
299152. 1014. Coelemu, Concepción.
299153. 1016. San Carlos, Ñuble.
299154. 1017. Chanco, Maule.
299155. 1020. San Juan, Santiago.
299156. 1025. Navidad, Santiago.
299157. 1025-A. Chillán, Ñuble.
299158. 1048. San Felipe, Aconcagua.
299159. 1049. Concepción, Concepción.
299160. 1050. LP 54-12.
299161. 1051. LP 54-13.
299162. 1052. LP 54-14.
299163. 1053. LP 54-22.
299164. 1054. LP 54-34.
299165. 1055. LP 54-75.
299166. 1056. LP 54-76.
299167. 1057. LP 54-90.
299168. 1058. LP 54-92.
299169. 1059. LP 54-95.
299170. 1060. LP 54-101.
299171. 1061. LP 54-1116.
299172. 1062. LP 54-1117.
299173. 1063. LP 54-136.
299174. 1064. LP 54-80.
299175. 1065. LP 54-85.
299176. 1066. LP 54-94.
299177. 1067. LP 54-99.
299178. 1068. LP 54-115.
299179. 1069. LP 54-136.
299180. 1070. LP 54-160.
299181. 1071. LP 54-182.
299182. 1072. LP 54-195.
299183. 1073. LP 54-244.
299184. 1074. LP 54-248.
299185. 1075. LP 54-275.
299186. 1076. LP 54-276.
299187. 1077. LP 54-279.
299188. 1078. LP 54-316.
299189. 1079. LP 54-321.
299190. 1080. LP 54-1040.
299191. 1081. LP 54-341.
299192. 1082. LP 54-343.

299144 to 299375—Continued

299193. 1083. LP 54-356.
299194. 1084. LP 54-360.
299195. 1085. LP 54-364.
299196. 1086. LP 54-368.
299197. 1087. LP 54-371.
299198. 1088. LP 54-381.
299199. 1089. LP 54-386.
299200. 1090. LP 54-392.
299201. 1091. LP 54-399.
299202. 1092. LP 54-412.
299203. 1093. LP 54-423.
299204. 1094. LP 54-424.
299205. 1095. LP 54-491.
299206. 1096. LP 54-502.
299207. 1097. LP 54-520.
299208. 1098. LP 54-525.
299209. 1099. LP 54-530.
299210. 1100. LP 54-533.
299211. 1101. LP 54-555.
299212. 1102. LP 54-574.
299213. 1103. LP 54-587.
299214. 1104. LP 54-591.
299215. 1105. LP 54-608.
299216. 1106. LP 54-638.
299217. 1107. LP 54-649.
299218. 1108. LP 54-666.
299219. 1109. LP 54-683.
299220. 1110. LP 54-715.
299221. 1111. LP 54-748.
299222. 1112. LP 54-751.
299223. 1113. LP 54-818.
299224. 1114. LP 54-939.
299225. 1115. LP 54-947.
299226. 1116. LP 54-986.
299227. 1117. LP 54-1011.
299228. 1118. LP 54-1016.
299229. 1119. LP 54-1029.
299230. 1120. LP 54-1030.
299231. 1121. LP 54-1091.
299232. 1122. LP 54-1127.
299233. 1123. LP 54-1160.
299234. 1124. LP 54-1207.
299235. 1125. LP 54-1224.

299144 to 299375—Continued

299236.	1126.	LP 54-1232.
299237.	1127.	LP 54-1359.
299238.	1128.	LP 54-1363.
299239.	1129.	LP 54-1374.
299240.	1130.	LP 54-1545.
299241.	1131.	LP 54-1548.
299242.	1132.	LP 54-1579.
299243.	1133.	LP 54-1611.
299244.	1135.	LP 54-1642.
299245.	1136.	LP 54-1665.
299246.	1137.	LP 54-1688.
299247.	1138.	LP 54-1713.
299248.	1139.	LP 54-1731.
299249.	1140.	LP 54-1750.
299250.	1141.	LP 54-1815.
299251.	1142.	LP 54-1871.
299252.	1143.	LP 54-1885.
299253.	1144.	LP 54-1895.
299254.	1146.	LP 54-1932.
299255.	1147.	LP 54-1960.
299256.	1148.	LP 54-1964.
299257.	1149.	LP 54-1990.
299258.	1150.	LP 54-2130.
299259.	1151.	LP 54-2135.
299260.	1152.	LP 54-2139.
299261.	1153.	LP 54-34.
299262.	1153-A	LP 54-2156.
299263.	1154.	LP 54-2185.
299264.	1155.	LP 54-2239.
299265.	1156.	LP 54-2256.
299266.	1157.	LP 54-2273.
299267.	1158.	LP 54-2286.
299268.	1159.	LP 54-2295.
299269.	1160.	LP 54-2319.
299270.	1161.	LP 54-2323.
299271.	1162.	LP 54-2323.
299272.	1163.	LP 54-2342.
299273.	1164.	LP 54-2420.
299274.	1166.	LP 54-2427.
299275.	1167.	LP 54-2448.
299276.	1168.	LP 54-2458.
299277.	1169.	LP 54-2467.

299144 to 299375—Continued

299278. 1170. LP 54-2498.
299279. 1171. LP 54-2526.
299280. 1172. LP 54-2526.
299281. 1173. LP 54-2529.
299282. 1174. LP 54-2540.
299283. 1175. LP 54-2543.
299284. 1176. LP 54-2559.
299285. 1177. LP 54-2595.
299286. 1178. LP 54-2600.
299287. 1180. LP 54-2680.
299288. 1181. LP 54-2680.
299289. 1182. LP 54-2698.
299290. 1184. LP 54-2738.
299291. 1185. LP 54-2751.
299292. 1186. LP 54-2758.
299293. 1187. LP 54-2777.
299294. 1188. LP 54-2796.
299295. 1189. LP 54-2832.
299296. 1190. LP 54-2858.
299297. 1191. LP 54-2868.
299298. 1192. LP 54-2875.
299299. 1193. LP 54-2893.
299300. 1194. LP 54-2904.
299301. 1195. LP 54-2945.
299302. 1196. LP 54-2969.
299303. 1197. LP 54-2987.
299304. 1198. LP 54-3037.
299305. 1199. LP 54-3048.
299306. 1200. LP 54-3086.
299307. 1201. LP 54-3113.
299308. 1202. LP 54-3112.
299309. 1203. LP 54-3138.
299310. 1216. Quinteros, Valparaíso.
299311. 1218. Curepto, Talca.
299312. 1219. Licancheu, Santiago.
299313. 1220. Parral, Linares.
299314. 1225. Pupuya, Talca.
299315. 1262. No. 1/1.
299316. 1263. No. 1/2.
299317. 1264. No. 1/4.
299318. 1265. No. 1/5.
299319. 1266. No. 1/10.

299144 to 299375—Continued

299320. 1267. No. 1/14.
299321. 1268. No. 1/15.
299322. 1269. No. 1/16.
299323. 1270. No. 1/19.
299324. 1271. No. 1/20.
299325. 1272. No. 2/3.
299326. 1273. No. 2/7.
299327. 1274. No. 2/12.
299328. 1275. No. 2/18.
299329. 1276. No. 3/16.
299330. 1277. No. 3/20.
299331. 1278. No. 4/3.
299332. 1279. No. 4/4.
299333. 1280. No. 5/5.
299334. 1281. No. 5/6.
299335. 1282. No. 5/20.
299336. 1283. No. 6/2.
299337. 1284. No. 6/9.
299338. 1285. No. 7/7.
299339. 1286. No. 7/10.
299340. 1287. No. 9/14.
299341. 1288. No. 9/20.
299342. 1289. No. 10/1.
299343. 1290. No. 10/20.
299344. 1291. No. 14/20.
299345. 1292. Palquibudis, Curicó.
299346. 1296. Lora, Curicó.
299347. 2070. Tuman, Santiago.
299348. 2075. Los Molles, Valparaíso.
299349. 3001. PL 59-1110. Ministerio de Agricultura, Santiago.
299350. 3002. Mininco, Bío-Bío.
299351. 3005. Malleco.
299352. 3007. Chimbarongo, Colchagua.
299353. 3008. Renaico, Malleco.
299354. 3015. Machali, O'Higgins.
299355. 3018. Malloa, O'Higgins.
299356. 3019. Rengo, O'Higgins.
299357. 3020. Rosario, O'Higgins.
299358. 3024. Natijilla, O'Higgins.
299359. 3035. Linares, Linares.
299360. 3041. Laja, Bío-Bío.
299361. 3042. Cauquenes, Maule.

299144 to 299375—Continued

299362. 3050. Tijeral, Malleco.
 299363. 3051. Yumbel, Concepción.
 299364. 3053. Santa Fe, Bío-Bío.
 299365. 3153. Caimanes, Coquimbo.
 299366. 4014. PL 59-1209. Ministerio de Agricultura, Santiago.
 299367. 4016. PL 59-1211. Ministerio de Agricultura, Santiago.
 299368. 4017. PL 59-1218. Ministerio de Agricultura, Santiago.
 Grand Cafe.
 299369. 4018. PL 59-1219. Ministerio de Agricultura, Santiago.
 299370. 4019. PL 59-1220. Ministerio de Agricultura, Santiago.
 299371. 4020. PL 59-1223. Ministerio de Agricultura, Santiago.
 299372. 4021. PL 59-1225. Ministerio de Agricultura, Santiago.
 299373. 4023. Illapel, Coquimbo.
 299374. 4100. Portezuelo, Ñuble.
 299375. 6111. PL 59-1231. Ministerio de Agricultura, Santiago.

299376. WARSZEWICZIA COCCINEA (Vahl) Klotzsch Rubiaceae.

From the British West Indies. Plant presented by the Imperial College of Tropical Agriculture, St. Augustine, Trinidad. Received July 20, 1964.

'David Auyong'.

299377 to 299379.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria, through the United States Embassy. Received July 21, 1964.

299377. CERATOTHECA TRILOBA E. May ex Bernh. Pedaliaceae.

DL/64/488. From Koedoespoort, Pretoria.

- 299378 and 299379. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.
Watermelon.

From Elsenburg, Stellenbosch. Seeds gray.

299378. DL/64/489. "Green" cattle melon.

299379. DL/64/490. "Pale" cattle melon.

299380 to 299389.

From Brazil. Seeds presented by the Estacao Experimental de Patos de Minas, Minas Gerais. Received July 21, 1964.

299380. PHASEOLUS LUNATUS L. Leguminosae. **Lima bean.**

'Branca PAU-4'. From Mexico.

- 299381 to 299389. PHASEOLUS VULGARIS L. **Common bean.**

299381. 'Amarela'. Seeds tan, roundish.

299382. 'Amarela Pintada'. Seeds mottled, purple on tan, rounded.

299383. 'Branca Comprida'. Seeds white, somewhat cylindrical.

299384. 'Branca Redonda'. Seeds white, ovoid.

299385. 'Castro'. Seeds flat, squarish, mottled maroon on light tan.

From Ceara State.

299386. 'Mamoninha'. Seeds flat, roundish, lightly mottled maroon on light tan.

299380 to 299389—Continued**299381 to 299389—Continued**

299387. 'Preta Rajada'. Seeds flat, oval mottled black and light tan.

299388. 'Rajada'. Seeds spherical, mottled purple on off white.

299389. 'Roxa'. Seeds spherical, purplish.

299390 to 299394. BETA VULGARIS L. Chenopodiaceae.**Sugar beet.**

From Great Britain. Seeds presented by the Plant Breeding Institute, Trumpington, Cambridge, England. Received July 21, 1964.

299390. No. 1. 'Janacs III'.

299391. No. 2. KLT 70.

299392. No. 3. TN 60/5.

299393. No. 4. T 51/4.

299394. No. 5.

299395. NICOTIANA TOMENTOSA R. & P. var. LEGUIANA (Mocbr.) Goodsp.

From Bolivia. Seeds presented by the Servicio Agrícola Inter-Americano, La Paz. Received July 21, 1964.

Tropical rain forest, Caranavi-Santa Ana de Huachi highway, 10 km. east of Caranavi, Nor Yungas Province. Elevation 600 meters.

299396. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agrícolas de la Oca, Turrialba. Received June 10, 1964. Numbered July 21, 1964.

A mixture of two open-pollinated hybrids, SCA 12 × ICS 6 and SCA 12 × ICS 1.

299397 and 299398.

From Costa Rica. Seeds presented by the Ministerio de Agricultura y Ganadería, San Jose. Received July 21, 1964.

299397. TRIPSACUM LATIFOLIUM Hitch. Gramineae. **Gamagrass.**
Prodigioso grass.

299398. TRIPSACUM LAXUM Nash **Guatemala gamagrass.**

299399. ILEX MITIS Radlk. Aquifoliaceae.

From the Republic of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newlands, Cape Province. Received July 27, 1964.

299400. ARAUCARIA ARAUCANA (Molina) Koch Pinaceae.

From Chile. Seeds presented by Museo-Dillman S. Bullock, El Vergel, Angol. Received July 27, 1964.

Chilian Pine.

299401 to 299409.

From the Republic of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newlands, Cape Province. Received July 27, 1964.

299401. BIJLIA CANA N. E. Brown Aizoaceae.

299402. GIBBAEUM GIBBOSUM N. E. Brown Aizoaceae.

299403. GIBBAEUM HEATHII (N. E. Brown) L. Bolus

299404. GIBBAEUM PILOSULUM N. E. Brown

299401 to 299409—Continued

299405. *GIBBAEUM VELUTINUM* Schwantes
 299406. *POLYGALA OPPOSITIFOLIA* L. Polygalaceae.
 299407. *POLYGALA MYRTIFOLIA* L.
 299408. *POLYGALA VIRGATA* Thunb.
 299409. *SCHOTIA SPECIOSA* Jacq. Leguminosae.

299410. *SORGHUM SPLENDIDUM* (Hack.) Snowden Gramineae.

From India. Seeds presented by the Rockefeller Foundation, New Delhi. Received July 28, 1964.

IS 602.

299411. *HIBISCUS LUNARIFOLIUS* Willd. Malvaceae.

Rosemallow.

From Kenya. Seeds presented by the East African Agriculture and Forestry Research Organization, Nairobi. Received July 28, 1964.

A 64-569. Collected at Muguga, near Nairobi.

299412. *LESQUERELLA FENDLERI* Wats. Cruciferae.

From Arizona. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Beltsville, Md. Received July 28, 1964.

No. 20634. Twelve miles southwest of Benson along road to Fort Huachuca. Large sprawling, decumbent bushlet, highly ramified with prolific seedling crown.

299413. *PRUNUS AVIUM* L. Rosaceae.

Sweet cherry.

From New Zealand. Trees presented by the Fruit Research Division, Department of Scientific and Industrial Research, Auckland. Received July 30, 1964.

'Dawson'.

299414 to 299426. *TRITICUM AESTIVUM* L. Gramineae.

Common wheat.

From Czechoslovakia. Sicons presented by Ing. Jiri Kalasek, Svelta. Received July 31, 1964.

299414. 1,013 B. 1. KJ. NWVT/II/63.
 299415. 9,087.5. NWVT/III/63.
 299416. 'Bailey'. NWVT/II/63.
 299417. 'Brewster'. NWVT/II/63.
 299418. 'Fanfare'. NWVT/III/63.
 299419. 'Fronthatch'. NWVT/I/63.
 299420. 'Fury'. NWVT/III/63.
 299421. 'Gabo' deriv. NWVT/III/63.
 299422. 'Gem'. NWVT/III/63.
 299423. 'Kenya Hunter'. NWVT/II/63.
 299424. 'Kenya Page'. NWVT/I/63.
 299425. 'Morris'. NWVT/II/63.
 299426. 'Pewter'. NWVT/II/63.

299427 and 299428. PANICUM COLORATUM L. Gramineae.
Panicgrass.

From the Republic of South Africa. Seeds presented by an anonymous donor.
 Received July 31, 1964.

299427. Kabulabula strain. B/53/233.

299428. Makarikari strain. B/53/283.

299429 to 299431.

From the United States. Plants collected by G. Viehmeyer, North Platte Experiment Station, North Platte, Nebraska. Numbered Aug. 3, 1964.

299429. DIANTHUS DELTOIDES L. Caryophyllaceae. **Maiden pink.**

Col. No. V62-3. An apparent escape in a heavily grazed, dry, rocky, mountain meadow 1 mile east of Eldorado, Colorado. Plant low, spreading, semi-evergreen; flowering culms to 12 inches high; flowers bright pink, single, one-inch diameter; numerous, late May to July; seeds abundant.

299430. LIPPIA CUNEIFOLIA Steud. Verbenaceae.

Col. No. V63-179. Collected in wild. Plant to 8 inches high, stoloniferous; runners long; leaves, oblong, coarsely serrated towards distal end; flowers in dense heads on 4-inch stems, pale pink with yellow spot in throat. Possible dry site ground cover.

299431. POTENTILLA ANSERINA L. Rosaceae. **Silverweed.**

Col. No. V63-169. Collected in wild. Low herb, spreading by slender runners, strawberrylike; leaves dark green above, silver beneath; flowers bright yellow, 0.6 inch across, borne throughout summer. Attractive ground cover.

299432 to 299447.

From Hong Kong. Seeds presented by the Urban Services Department, Victoria. Received Aug. 3, 1964.

299432. ADINANDRA MILETTII Benth. & Hook. f. ex Hance Theaceae.

299433. ENKIANTHUS QUINQUEFLORUS Lour. Ericaceae.

299434. EUONYMUS CHINENSIS Lindl. Celastraceae.

299435. EURYA MACARTNEYI Champ. Theaceae.

299436. ILEX ASPRELLA Champ. ex Benth. Aquifoliaceae.

299437. ILEX CINEREA Champ.

299438. ILEX GRACILIFLORA Champ. ex Benth.

299439. ILEX MEMECYLIFOLIA Champ. ex Benth.

299440. ILEX PUBESCENS Hook. & Arn.

299441. ILEX ROTUNDA Thunb.

299442. ITEA CHINENSIS Hook. & Arn. Escalloniaceae.

299443. LITSEA GLUTINOSA C. B. Robinson Lauraceae.

299444. LITSEA ROTUNDIFOLIA Hemsl.

299445. RHODOLEIA CHAMPIONI Hook. Hamamelidaceae.

299446. SCHIMA SUPERBA Gard. & Champ. Theaceae.

299447. ZIZYPHUS MAURITIANA Lam. Rhamnaceae. **Indian jujube.**

299448 to 299451. DELPHINIUM NELSONII Greene
Ranunculaceae.

From the United States. Seeds collected by G. Viehmeyer, A. E. Dudeck and H. M. Pellett, Department of Horticulture and Forestry, University of Nebraska, Lincoln, Neb. Numbered Aug. 4, 1964.

Tuberous rooted plants collected in the wild.

299448 to 299451—Continued

299448. Col. No. V64-265. Among ponderosa pine 7 miles west of Jacob Lake, Ariz. Plants low growing; flowers dark blue.

299449. Col. No. V64-282. Pine forest 2 miles west of junction of State Highway 14 and U.S. Highway 89, Utah. Plants low growing; flowers dark blue.

299450. Col. No. V64-284. Pine forest 2 miles west of junction of State Highway 14 and U.S. Highway 89, Utah. Flowers pale blue.

299451. Col. No. V64-312. Open forest, summit of McClure Pass, west of Redstone, 53 miles west of Leadville, Colorado.

299452. MALUS SYLVESTRIS Mill. Rosaceae. Common apple.

From Denmark. Budsticks presented by the Stations Plantepathologeske Forsog, Lyngby. Received Aug. 7, 1964.

'Guldborg'.

299453. RHODODENDRON WARDII W. W. Smith Ericaceae.

From Great Britain. Cuttings presented by the Royal Botanic Garden, Edinburgh, Scotland. Received Aug. 7, 1964.

299454. PRUNUS ARMENIACA L. Rosaceae. Apricot.

From Czechoslovakia. Sicons presented by Ing. Jiri Kalasek, Svetla. Received Aug. 10, 1964.

299455 to 300194.

From the Republic of South Africa. Plant and seed material collected by A. J. Oakes, Jr., agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Collected February to April, 1964. Numbered Aug. 31, 1964.

299455 and 299456. ACACIA CYCLOPS A. Cunn ex Don Leguminosae.

Cyclops acacia.

299455. Col. No. 675. Local name: Port Jackson willow. Port Elizabeth, Cape Province dunes. Shrub or small tree; leaves whorled, narrow, to 3 inches long, $\frac{1}{2}$ inch wide; seed pods in clusters in leaf axils; curled when immature and mature, 4 to 7 seeded, septate, flat, to 3 inches long, $\frac{1}{2}$ inch wide; seeds small, flat, black, surrounded by orange aril. Used for dune stabilization, but is potential weed. Seeds.

299456. Col. No. 692. Dunes near south mouth of Kaffirkuis River, Stilbaai, Cape Province. Shrub or tree to 20 feet high. A potential weed. Seeds.

299457 to 299459. AGROPYRON DISTICHUM (Thunb.) Beauv. Gramineae.

299457. Col. No. 664. Local name: Sea wheat. Dunes near mouth of Sundays River, 30 miles east of Port Elizabeth, Cape Province. Elevation 17 feet. Rhizomatous perennial used for dune stabilization. Seeds.

299458. Col. No. 665. Steep dunes near mouth of Sundays River, Cape Province. Seeds.

299459. Col. No. 693. Local name: Sea wheat. Forest Station, Stilbaai, Cape Province. Seeds sown at low tide are disburbed by the incoming tide. Seeds.

299460. AGROSTIS ERIANTHA Hack. Gramineae.

Col. No. 304. Light shade, open grassland, rocky soil, Mount Anderson, 10 miles east of Lydenburg, Transvaal. Elevation 7,000 feet. Rhizomatous perennial; basal leaves few; inflorescence diffuse; heads to 18 inches high. Seeds.

299455 to 300194—Continued

299461. AGROSTIS LACHNANTHA Nees.

Col. No. 301. Local name: South African bentgrass. Hard soil, open rocky pasture, Mount Anderson, 7 miles east of Lydenburg, Transvaal. Elevation 6,700 feet. Perennial bunchgrass forming small clumps; leaf height 12 inches, head height 24 inches. Seeds.

299462. ANDROPOGON APPENDICULATUS Nees Gramineae.

Col. No. 542. Heavy soil, Glen, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Slightly stoloniferous leafy perennial. Good grazing grass. Seeds.

299463 and 299464. ANTHEPHORA PUBESCENS Nees Gramineae.

299463. Col. No. 541. Glen Agricultural College, Glen, Orange Free State. Tufted perennial. Seeds.

299464. Col. No. 549. Level terrain 10 miles northwest of Bloemfontein, Orange Free State. Highway N-8. Elevation 4,200 feet. Annual rainfall 19 inches. Palatable perennial bunchgrass; leaf height 12 inches. Adapted to sandy soils in 10- to 20-inch rainfall belt. Seeds.

299465 and 299466. SCHMIDTIA BULBOSA Stapf. Gramineae.

299465. Col. No. 339. Local name: Kalahari sandquick Vaalgrass. Sandy soil in scrub timber, level terrain, Naphe Road, Kruger National Park. Elevation 1,050 feet. Annual rainfall 20 inches. Perennial bunchgrass; leaves few, to 15 inches high; seeds abundant. Drought tolerant. Seeds.

299466. Col. No. 555. Local name: Kalahari sandquick. Vaalgrass. Shallow rocky soil, quartz rock, level rangeland, 10 miles west of Kimberley, Cape Province, Highway S-5. Elevation 4,000 feet. Annual rainfall 15 inches. Perennial bunchgrass to 4 inches high. Seeds.

299467 to 299471. ARACHIS HYPOGAEA L. Leguminosae.

299467. Col. No. 361. Cultivated field, 5 miles east of Sabie, Transvaal. Plants with large 'Virginia Runner' type leaves; nuts in small cluster near top of soil, Spanish type. All nuts remained on plant when pulled from wet clay soil. Seeds.

299468. Col. No. 471. Cultivated field, level sandy soil, 2 miles south of Jozini Damon Pongola River, Natal. 'Virginia Runner' type but nuts clustered near soil surface like Spanish type. Seeds from two plants with white testa growing among plants with pink testa. All nuts remained on the plant when pulled from the soil. Seeds.

299469. Col. No. 478. Cultivated field, sandy soil, 2 miles south of Jozini Dam on Pongola River, Natal. 'Virginia Runner' type with Spanish fruiting habit. Pink testa plants growing among white testa plants. Seeds.

299470. Col. No. 538. 'Natal Common'. Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Seeds.

299471. Col. No. 539. 'Mambeleo'. Glen Agricultural College. P 4934 breeding line. Elevation 4,200 feet. Annual rainfall 20 inches. Seeds.

299472. ARACHIS sp.

Col. No. 241. Rietondale Research Station, Pretoria. No. B 61-165. Rhizomatous perennial. Rhizomes.

299473. ARACHIS sp.

Col. No. 242. Rietondale Research Station, Pretoria. No. B 61-164. Aggressive rhizomatous perennial. Rhizomes.

299474. ARACHIS sp.

Col. No. 243. Rietondale Research Station, Pretoria. No. B 61-163. Rhizomatous perennial. Rhizomes.

299455 to 300194—Continued

299475. ARISTIDA CURVATA Nees Gramineae.

Col. No. 263. Local name: Stickgrass. Disturbed site on Nyl River, 47 miles south of Pietersburg, Transvaal, Highway N-1. Elevation 4,700 feet. Erect annual bunchgrass to 24 inches high. Seeds.

299476. ARISTIDA DIFFUSA Trin.

Col. No. 570. Level, disturbed clay loam rangeland, 5 miles north of Middelburg, Cape Province, Highway N-1. Elevation 4,300 feet. Annual rainfall 13 inches. Perennial bunchgrass; leaf height 6 inches; head height 20 inches. Seeds.

299477. ARISTIDA JUNCIFORMIS Trin. & Rupr.

Col. No. 424. Level, rocky, disturbed site 12 miles north of Muden, Natal. Elevation 2,000 feet. Annual rainfall 21 inches. Wiry perennial bunchgrass in clumps to 10 inches in diameter; leaf height 12 inches; head height 24 inches. Seeds.

299478. ARISTIDA OBTUSA Delile

Col. No. 578. Grootfontein Agricultural College, Middelburg, Cape Province. Perennial bunchgrass. Seeds.

299479. ARISTIDA VESTITA Thunb.

Col. No. 556. Shallow rocky soil, open, level rangeland, 10 miles west of Kimberley, Cape Province, Highway S-5. Elevation 4,000 feet. Annual rainfall 15 inches. Perennial bunchgrass; leaf height 6 inches. Seeds.

299480. ASPARAGUS BURCHELLII Baker Liliaceae.

Col. No. 667. Grazed rocky clay hillside, 5 miles east of Uitenhage, Cape Province. Semivine to 24 inches high; stems triacanthate at nodes; mature fruits black. Seeds.

299481. ASPARAGUS LARICINUS Burchell

Col. No. 526. Local name: Wild asparagus. Low, wet, shady site, level terrain, Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Plant semivine, to 6 feet high; thorns short. Seeds.

299482. ASPARAGUS MULTIFLORUS Baker

Col. No. 611. Disturbed site, 5 miles east of Bedford, on Adelaide road, Cape Province. Plant semivine, to 6 feet high, nonspiny; fruits green. Seeds.

299483. ASPARAGUS RACEMOSUS Willd.

Col. No. 630. Open, rolling pasture, 50 miles southwest of East London, Cape Province. Elevation 500 feet. Annual rainfall 25 inches. Plants to 18 inches high. Seeds.

299484. ASPARAGUS SPRENGERI Regel

Sprenger asparagus.

Col. No. 678. Sandy limestone soil, shaded site along stream, Port Elizabeth, Cape Province. Plants semiviny, to 6 feet high; spines short, curved; fruit clusters arise at leaf bases; mature fruits red. Seeds.

299485. ASPARAGUS sp.

Col. No. 511-A. Plants growing as ornamental near farm house 21 miles southwest of Harrismith, Orange Free State. Mountainous terrain; elevation 5,500 feet. Berries red. Seeds.

299486. ASPARAGUS sp.

Col. No. 568. Local name: Wild asparagus. Level, open pasture, one mile east of Petrusburg, Orange Free State. Elevation 4,000 feet. Annual rainfall 16 inches. Plants in large clumps to 6 feet high, semiviny, with thorns; fruits 0.12 inch diameter, bright red when mature. Seeds.

299455 to 300194—Continued

299487. *ASPARAGUS* sp.

Col. No. 666. Rocky clay pasture 5 miles east of Uitenhage, Cape Province. Plants semiviny to 24 inches high; stems triacanthate at nodes; mature fruits black. Seeds.

299488 and 299489. *ATRIPLEX SEMIBACCATA* R. Br. Chenopodiaceae.

Australian saltbush.

299488. Col. No. 596. Mountain pasture, 26 miles southwest of Cradock, Cape Province. Elevation 4,000 feet. Annual rainfall 17 inches. Palatable, prostrate, woody perennial; crown spreads to 4 feet; prolific seeder; yellow seeds. Seeds.

299489. Col. No. 597. Mountain pasture, 26 miles southwest of Cradock, Cape Province. Elevation 4,000 feet. Annual rainfall 17 inches. Prostrate woody perennial; crown spreads to 4 feet; seeds red. Seeds.

299490 and 299491. *BOTHRIOCHLOA INSCULPTA* (Hochst.) A. Camus Gramineae.

299490. Col. No. 334. Local name: Pinhole grass. Clay-loam pasture, Komati River plain, 17 miles south of Komatipoort, Transvaal, Highway N-4. Elevation 1,050. Unpalatable semi-erect perennial. Seeds.

299491. Col. No. 415. Sandy clay wasteland, Mooi River Valley, 8 miles north of Muden, Natal. Elevation 2,800 feet. Annual rainfall 20 inches. Aggressive stoloniferous perennial, rooting at nodes; stems coarse; leaf height 6 inches. Stolons.

299492 to 299495. *BRACHIARIA BRIZANTHA* (Hochst.) Stapf Gramineae.

Palisade signalgrass.

299492. Col. No. 234. Rietondale Research Station, Pretoria. Plot 128. From Uganda. Robust perennial bunchgrass; heads to 24 inches high. Drought tolerant. Seeds.

299493. Col. No. 235. Rietondale Research Station. Plot 126. Leafy, robust, perennial bunchgrass; leaves broad; heads to 36 inches high. Drought tolerant. Seeds.

299494. Col. No. 237. Rietondale Research Station. Plot 122. From Rustenburg. Perennial bunchgrass; heads to 36 inches high; seed prolific. Seeds.

299495. Col. No. 257. Local name: Breadgrass. Sandy clay soil, open grassland, Nye River plain, 13 miles north of Nylstroom, Highway N-1. Elevation 4,500 feet. Leafy perennial bunchgrass; heads to 48 inches high. Seeds.

299496. *BRACHIARIA DEFLEXA* (Schum.) C. E. Hubbard ex Robyas

Col. No. 281. Local name: False panicum. Clay loam wasteland, Duiwelskloof, Transvaal. Elevation 2,750 feet. Erect annual bunchgrass; leaves to 18 inches high. Seeds.

299497. *BRACHIARIA* sp.

Col. No. 236. Rietondale Research Station, Pretoria. Plot 124. From Zululand. Plant stoloniferous; leaves to 3 inches high. Stolons.

299498. *BRACHIARIA* sp.

Col. No. 238. Rietondale Research Station, Pretoria. Plot 119. From Swaziland. Plant stoloniferous; leaves broad, to 3 inches high; seed heads small. Stolons.

299499. *BRACHIARIA* sp.

Col. No. 378. Local name: Tannergrass. Estcourt Research Farm, Estcourt, Natal. Elevation 3,800 feet. Annual rainfall 29 inches; not frost-free. Stoloniferous sodgrass; leaves broad, to 12 inches high; used on pond banks; stems float. Stolons.

299455 to 300194—Continued

- 299500.** *BROMUS WILLDENOWII* Kunth Gramineae. **Rescuegrass.**
Col. No. 492. Disturbed dark grey sandy loam roadside, Highway N-5; rolling terrain 7 miles east of Bethlehem, Orange Free State. Elevation 5,600 feet. Annual rainfall 26 inches. Bunchgrass; leaves to 14 inches high; heads to 30 inches high. Seeds.
- 299501.** *CASSIA DIDYMOBOTRYA* Fres. Leguminosae.
Col. No. 685. Wilderness Hotel, 8 miles east of George, Cape Province, Highway N-2. Elevation 90 feet. Annual rainfall 22 inches. Ornamental shrub to 20 feet high; leaves compound; flowers bright yellow, in clusters; pods flat, septate, to 5 inches long and 1 inch wide. Seeds.
- 299502 and 299503.** *CASSIA OCCIDENTALIS* L.
299502. Col. No. 457. Sandy wasteland, Pongola River bank, Natal. Elevation 400 feet. Annual rainfall 25 inches. Erect, branching shrub. Seeds.
299503. Col. No. 465. Edge of cultivated sandy field, 2 miles south of Jozini Dam, Pongola River, Natal. Erect, branching shrub to 6 feet high; seeds profuse. Seeds.
- 299504 to 299546.** *CENCHRUS CILIARIS* L. Gramineae. **Buffelgrass.**
299504. Col. No. 319. Local name: Blue buffalograss. Level terrain, black clay loam, Lowveld Research Station, Barberton, Transvaal. Elevation 2,300 feet. Leafy perennial bunchgrass; leaves to 24 inches high; seeds profusely. Seeds.
299505. Col. No. 320. Local name: Blue buffalograss. Level terrain, black clay loam, Lowveld Research Station. Elevation 2,300 feet. Leafy perennial bunchgrass; leaves to 24 inches high. Seeds.
299506. Col. No. 449. Level ungrazed pasture, 3 miles north of Mkuze, Natal, Highway N-14, Mkuze River valley. Elevation 500 feet. Annual rainfall 24 inches. Perennial bunchgrass to 26 inches high. Seeds.
299507. Col. No. 473. Disturbed roadside clay, 1 mile southwest of Mkuze, Natal. Perennial bunchgrass; leaves to 12 inches high. Seeds.
299508. Col. No. 546. Disturbed shallow clay loam, railroad right-of-way, 10 miles south of Kimberley, Cape Province. Elevation 4,000 feet. Annual rainfall 16 inches. Leafy perennial bunchgrass in large clumps; leaves to 14 inches high. Seeds.
299509. Col. No. 584. Grootfontein Agricultural College, Middelburg, Cape Province. Irrigated perennial bunchgrass; leaves to 24 inches high, dark green. Seeds.
299510. Col. No. 601. Disturbed shallow rocky soil, 5 miles south of Graaf-Reinet, Cape Province, on Pearston road. Elevation 2,000 feet. Annual rainfall 12 inches. Perennial bunchgrass forming large clumps; leaves to 10 inches high. Seeds.
299511. Col. No. 644. Reddish clay soil, Bathurst Agricultural Research Station, Bathurst, Cape Province. Elevation 850 feet. Annual rainfall 27 inches. From Molopo River. Leafy perennial bunchgrass; leaves blue green, to 30 inches high. Seeds.
299512. Col. No. 645. Reddish clay soil, Bathurst Agricultural Research Station. Elevation 850 feet. Annual rainfall 27 inches. Kohly. Leafy perennial bunchgrass; leaves to 24 inches high. Seeds.
299513. Col. No. 647. Clay loam, 10 miles north of Bathurst, Cape Province. Perennial bunchgrass. Seeds.
299514. Col. No. 697. Rolling waste ground, R.versdale, Cape Province. Elevation 400 feet. Annual rainfall 16 inches. Leafy perennial bunchgrass; leaves to 18 inches high. Area has irrigation. Seeds.

299455 to 300194—Continued

- 299515 to 299546. Seeds from the Rietondale Research Station, Pretoria.
299515. Col. No. 732. Foliage blue green.
299516. Col. No. 733. Thabizimbi strain.
299517. Col. No. 734. Molopo. Foliage blue green.
299518. Col. No. 735. Cradock. Foliage green.
299519. Col. No. 736. Foliage erect, green.
299520. Col. No. 737. Rietondale No. B/61/176.
299521. Col. No. 738. Rietondale No. B/61/178.
299522. Col. No. 739. Rietondale No. B/61/170.
299523. Col. No. 740. Rietondale No. B/61/174.
299524. Col. No. 741. Rietondale No. B/61/175.
299525. Col. No. 742. Rietondale No. B/61/177.
299526. Col. No. 743. Rietondale No. B/61/172.
299527. Col. No. 744. Rietondale No. B/61/171.
299528. Col. No. 745. Rietondale No. B/61/173.
299529. Col. No. 746. Chipinga strain. Foliage blue green.
299530. Col. No. 747. Biloela strain.
299531. Col. No. 748. Rietondale No. U/57/217.
299532. Col. No. 749. Rietondale No. U/57/216.
299533. Col. No. 754. Marico, Transvaal. Foliage. blue green.
299534. Col. No. 755. Tsotsoroga Pan, Kalahari. Foliage green.
299535. Col. No. 756. Rustenburg, Transvaal. Foliage blue green.
299536. Col. No. 757. East Africa. Foliage blue green.
299537. Col. No. 758. Roedtan, Transvaal. Foliage green.
299538. Col. No. 759. Brits, Transvaal. Foliage green.
299539. Col. No. 760. Merrdam, Cape Province. Foliage green.
299540. Col. No. 761. East Africa. Foliage green.
299541. Col. No. 762. Lyana, Kenya. Plants large; foliage green.
299542. Col. No. 763. Kenya. Foliage green.
299543. Col. No. 764. West Messina. Foliage green.
299544. Col. No. 765. Waterval Whitbank, Transvaal. Foliage green.
299545. Col. No. 766. Vryburg, Cape Province. Foliage blue green.
299546. Col. No. 769. Large perennial bunchgrass; foliage blue green.
- 299547 to 299556. CHLORIS GAYANA Kunth Gramineae. **Rhodesgrass.**
299547. Col. No. 308. Citrus Research Station, Nelspruit, Transvaal. Elevation 3,200 feet. Perennial; without stolons; heads to 36 inches high. Seeds.
299548. Col. No. 337. Level terrain, sandy soil, partial shade, Naphe road, Kruger National Park. Elevation 1,100 feet. Annual rainfall 22 inches. Perennial bunchgrass. Seeds.
299549. Col. No. 400. Commercial seed from the Estcourt Research Farm, Estcourt, Natal.
299550. Col. No. 427. Hard clay disturbed site, hilly terrain, 10 miles west of Pietermaritzburg, Natal. Elevation 2,800 feet. Annual rainfall 30 inches. Plants stoloniferous; heads to 30 inches high. Seeds.

299455 to 300194—Continued

299547 to 299556—Continued

299551. Col. No. 445. Level terrain, open grassland, 1 mile northeast of Hluhluwe Game Reserve, Natal. Elevation 600 feet. Annual rainfall 37 inches. Stoloniferous weed in sorghum field. Stolons.
299552. Col. No. 532. Sandy soil, bank of Modder River, Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Stoloniferous perennial with few stolons; leaves to 12 inches high. Seeds.
299553. Col. No. 583. South Rhodesia. Grootfontein Agricultural College, Middelburg, Cape Province. Stoloniferous perennial with long, strong stolons. Seeds.
299554. Col. No. 614. Sandy waste ground, East London, Cape Province. Elevation 29 feet. Annual rainfall 30 inches. Plant stoloniferous; leaves to 24 inches high; prolific seeder. Seeds.
299555. Col. No. 686. Waste land, Outiniqua Agricultural Research Station, George, Cape Province. Stoloniferous perennial. Seeds.
299556. Col. No. 698. Hilly, ungrazed pasture, 7 miles west of Riversdale, Cape Province. Elevation 400 feet. Annual rainfall 16 inches. Stoloniferous perennial, forms good ground cover. Seeds.
299557. *CHLORIS MYRIOSTACHYA* Hochst.
Col. No. 358. Shallow clay loam, level terrain, open grassland, Hippo Pool Road, Kruger National Park. Elevation 1,050 feet. Annual rainfall 21 inches. Perennial bunchgrass; leaves to 20 inches high; heads to 28 inches high; seeds profusely. Seeds.
299558. *CHLOROPHYTUM* sp. Liliaceae.
Col. No. 552. Ornamental viviparous vine. From Dealesville, Orange Free State. Stolons.
299559. *CIENFUEGOSIA HILDEBRANDTHII* Garcke Malvaceae.
Col. No. 483. Sandy soil, Umfolozi Game Reserve, Natal. Erect shrub to 24 inches high; leaves not distinctly lobed; flowers yellow, purple petal spot; style extruded; pollen orange; capsules small 3 to 5 carpellate; seeds small, brown, fuzzy. Seeds.
299560. *CISSUS QUADRANGULARIS* L. Vitaceae. **Winged treebine.**
Col. No. 267. Local name: Wild grape. Rocky, shallow soil, open bushland, 22 miles north of Pietersburg, Transvaal, Highway N-1. Elevation 4,100 feet. Annual rainfall 22 inches. Plants viney; fruits small, bright red, in clusters along stem. Cuttings.
299561. *CISSUS* sp.
Col. No. 365. Red clay, hilly terrain, 10 miles west of Nelspruit, Transvaal, Highway N-4. Decumbent vine on brush and weeds. Cuttings.
299562. *CISSUS* sp.
Col. No. 366. Waste ground, Nelspruit, Transvaal. Fleshy vine. Cuttings.
299563. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**
Col. No. 466. 'Amakeba'. Cultivated south of Jozini Dam, Pongola River. Melon round, about 8 inches in diameter, skin light green mottled; flesh white; seeds brown, smallish. Seeds.
299564. *CORTADERIA SELLOANA* (Schult.) Aschers. & Graebn. Gramineae. **Pampasgrass.**
Col. No. 511. Public park, Harrismith, Orange Free State. Ornamental perennial bunchgrass to 8 feet high. Seeds.

299455 to 300194—Continued

299565. *COTYLEDON ORBICULATA* L. Crassulaceae.

Col. No. 694. Stoloniferous decumbent succulent to 12 inches high. Used in dune stabilization. Forest Station, Stilbaai, Cape Province. Seeds.

299566. *CRINUM MACOWANII* Baker Amaryllidaceae.

Col. No. 345. Level terrain, open grassland near Loop Road, Kruger National Park. Elevation 1,050 feet. Annual rainfall 21 inches. Erect bulbous plants to 30 inches high; bulbs large; leaves straplike, broad; flowers large, white with pink stripe; seed capsules inflated. Seeds.

299567. *CROTALARIA JUNCEA* L. Leguminosae. **Sunn-hemp.**

Col. No. 362. Office of Technical Services, Nelspruit, Transvaal. Seeds.

299568. *CUCUMIS MYRIOCARPUS* Naud. Cucurbitaceae. **Gooseberry gourd.**

Col. No. 328. Local name: Wild cucumber. Rocky, sandy soil, level terrain waste ground near railroad crossing, one mile north of Highway N-4, Malelane, Transvaal. Elevation 1,300 feet. Annual rainfall 20 inches. Prostrate vine; fruits variegated green when immature, yellow when ripe, 1 by 1.25 inches, bitter. Seeds.

299569 to 299572. *CUCUMIS ZEYHERI* Sond.

299569. Col. No. 244. Local name: Wild cucumber, bitter cucumber. Rocky, gravelly soil, open grassland roadside, 5 miles north of Pretoria, Highway N-1. Elevation 4,850 feet. Fruits bicolored when immature, light yellow when ripe, 1.5 by 2 inches; spines short, dull. Seeds.

299570. Col. No. 416. Hard dry clay wasteland, Mooi River valley, 8 miles north of Muden, Natal. Elevation 2,800 feet. Annual rainfall 20 inches. Prostrate vine; fruits spiny, variable green when immature, yellow when ripe. Seeds.

299571. Col. No. 563. Level terrain, disturbed roadside 5 miles east of Barkley West, Orange Free State, Highway S-5. Elevation 4,000 feet. Annual rainfall 15 inches. Fruits variable green when immature, yellow when ripe, 1.5 by 2.5 inches. Seeds.

299572. Col. No. 605. Level, ungrazed rangeland, 12 miles southeast of Jasenville, Cape Province on Pearston road. Elevation 1,600 feet. Annual rainfall 8 inches. Vine; fruits bicolored when immature, yellow when ripe, 1.5 by 2 inches; spines short. Seeds.

299573. *CUCURBITA MAXIMA* Duchesne. Cucurbitaceae. **Squash.**

Col. No. 367. Commercial seeds from Cyclops Seeds, Pretoria. An unnamed variety developed in South Africa.

299574. *CUCURBITA MOSCHATA* Duchesne ex Poir. **Cushaw.**

Col. No. 615. 'Marrow'. Fruits shape and size variable, with distinctive knobs, mottled green when immature, deep orange when ripe, pumpkin shaped, about 7 inches in diameter. South Africa's most popular variety. Seeds.

299575. *CUCURBITA PEPO* L. **Pumpkin.**

Col. No. 368. 'Little Gem'. Commercial variety from Cyclops Seeds, Pretoria. Seeds.

299576 to 299579. *CYNODON DACTYLON* (L.) Pers. Gramineae.

299576. Col. No. 202. Local name: Outeniqua. Horticultural Research Institute, Pretoria, Plot 6. From Cape Province. Cold tolerant stoloniferous lawngrass. Stolons.

299577. Col. No. 419. Clay loam, irrigation ditch bank, Muden, Natal. Elevation 2,800 feet. Annual rainfall 20 inches. Stoloniferous perennial forming good ground cover. Stolons.

299455 to 300194—Continued

299576 to 299579—Continued

299578. Col. No. 567. Clay loam, Riet River bank, 3 miles south of Jacobsdal, Orange Free State. Elevation 4,000 feet. Annual rainfall 15 inches. Stoliferous perennial forming complete cover when grazed; stems large. Stolons.

299579. Col. No. 751. Local name: Harrismith Fine. Horticultural Research Institute, Pretoria. Stoliferous perennial lawngrass. Stolons.

299580. *CYNODON DACTYLON* var. *DENSUS* Hurcombe

Col. No. 200. Horticultural Research Institute, Pretoria. Germiston golf course, Transvaal. Stoliferous perennial lawngrass. Stolons.

299581. *CYNODON HIRSUTUS* Stent

Col. No. 554. Local name: Hairy couchgrass. Dry, rocky, clay range-land, Highway N-8, 20 miles east of Kimberley, Cape Province. Elevation 4,000 feet. Annual rainfall 16 inches. Plants prostrate, low, grow well in shade. Stolons.

299582. *CYNODON INCOMPLETUS* Nees

Col. No. 663. Ungrazed pasture 1 mile northeast of Uitenhage, Cape Province. Prostrate stoliferous perennial; stems fine. Stolons.

299583. *CYNODON MAGENNISII* Hurcombe

Col. No. 201. Local name: Magennis. Horticultural Research Institute, Pretoria, Plot 4. Stoliferous lawngrass. Stolons.

299584. *CYNODON* sp.

Col. No. 205. Local name: Reitz. Horticultural Research Institute, Pretoria, Plot 16. Cold tolerant, prostrate, stoliferous lawngrass. Stolons.

299585. *CYNODON* sp.

Col. No. 206. Local name: Damascus. Horticultural Research Institute, Pretoria, Plot "B". From Damascus. Prostrate, stoliferous, lawngrass. Stolons.

299586. *DACTYLOCTENIUM AEGYPTIUM* (L.) Beauv. Gramineae.**Durban crowfootgrass.**

Col. No. 343. Local name: Crowfootgrass. Rocky outcrop in full sun on Nahpe Road, Kruger National Park. Elevation 1,100 feet level terrain, annual rainfall 20 inches. Erect annual; leaf height 4 inches; head height 8 inches. Seeds.

299587 and 299588. *DACTYLOCTENIUM AUSTRALE* Steud.

299587. Col. No. 438. Local name: Durbangrass. Sandy, disturbed site, Hluhluwe Game Reserve, Natal. Elevation 600 feet. Annual rainfall 37 inches. Aggressive, prostrate stoliferous perennial. A shady site lawngrass in frostfree areas. Stolons.

299588. Col. No. 613. Exposed to salt spray, sandy seaside park, East London, Cape Province. Elevation 22 feet. Annual rainfall 30 inches. Stoliferous perennial. Seeds.

299589. *DIERAMA PULCHERRIMA* (Hook. f.) Baker Iridaceae.

Col. No. 752. Kirstenbosch Botanic Gardens, Newlands, Cape Province. Cultivated ornamental. Seeds.

299590. *DESMODIUM CAFFRUM* (Meyer) Druce. Leguminosae.

Col. No. 443. Open, hilly grassland, sandy soil, Hluhluwe Game Reserve, Natal. Elevation 825 feet. Erect shrub to 18 inches high; seed pods terminal. Seeds.

299591. *DACTYLOCTENIUM GEMINATUM* Hack. Gramineae.

Col. No. 354. Open grassland, shallow sand, near Skukuza rest camp, Kruger National Park. Elevation 1,050 feet. Annual rainfall 21 inches. Stoliferous perennial; stolons large, brittle, rooting at nodes. Stolons.

299455 to 300194—Continued

299592 to 299594. *DIGITARIA ARGYROGRAPTA* (Nees) Stapf Gramineae.

299592. Col. No. 571. Clay soil, Grootfontein Agricultural College, Middelburg, Cape Province. Elevation 4,300 feet. Annual rainfall 13 inches. Perennial bunchgrass; leaves to 6 inches high; seed heads to 24 inches high. Seeds.

299593. Col. No. 581. Grootfontein Agricultural College, Middelburg, Cape Province. Rhizomatous perennial bunchgrass; leaves to 14 inches high; heads to 30 inches high. Seeds.

299594. Col. No. 609. Ungrazed clay loam pasture, 10 miles southeast of Somerset East, Cape Province. Elevation 2,500 feet. Annual rainfall 20 inches. Perennial bunchgrass; leaves to 15 inches high; heads to 36 inches high. Seeds.

299595. *DIGITARIA CHEVALIERI* Stapf ex Prain

Col. No. 223. Rietondale Research Station, Pretoria, Plot 548. Suk Reserve, Kenya. Plant stoloniferous; stolons reddish; leaves few. Stolons.

299596. *DIGITARIA DEBILIS* (Desf.) Willd.

Col. No. 314. Cutover timber land, rocky soil, Spitskop Plantation, mountain plateau 21 miles northwest of town of White River, Transvaal. Elevation 5,450 feet. Annual, decumbent at base, rooting at lower nodes; stems fine; leaves to 20 inches high; heads to 24 inches high. Stolons.

299597 to 299600. *DIGITARIA DECUMBENS* Stent **Pangolagrass.**

From the Rietondale Research Station, Pretoria, as stolons.

299597. Col. No. 105. Plot 409. Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 17 inches high.

299598. Col. No. 106. Plot 408. Bechuanaland. Plant stoloniferous; stems moderately coarse; leaves to 13 inches high.

299599. Col. No. 127. Plot 769. Plant stoloniferous; stems fine; leaves blue green, to 15 inches high.

299600. Col. No. 173. Plot 666. Belfast, Transvaal. Plant stoloniferous; stems fine; leaves to 14 inches high.

299601. *DIGITARIA* cf. *DECUMBENS* Stent

Col. No. 210. Plot 605. From the Rietondale Research Station, Pretoria, as stolons. Between Nelspruit and White River, Transvaal. Plants stoloniferous, forming good ground cover; stems fine; leaves to 9 inches high.

299602 to 299608. *DIGITARIA DECUMBENS* Stent **Pangolagrass.**

299602. Col. No. 316. Sandy soil, railroad right-of-way, Alkmaar, near Crocodile River, 11 miles west of Nelspruit, Transvaal, Highway N-4. Stoloniferous perennial; forms excellent ground cover, stolons long; leaves to 12 inches high; seeds heads few. Stolons.

299603. Col. No. 317. Clay loam, Lowveld Research Station, Barberton, Transvaal. Elevation 2,300 feet. Stoloniferous perennial; stolons few; stems small, glabrous; leaves to 12 inches high; heads to 30 inches high; racemes short. Stolons.

299604. Col. No. 324. Sandy gravel ungrazed pasture, one mile west of Tonetti, Transvaal, Highway N-4. Elevation 2,840 feet. Stoloniferous perennial; stolons few, hirsute; leaves to 10 inches high. Stolons.

299605. Col. No. 330. Sandy ungrazed pasture, Hectorspruit, Transvaal, Highway N-4, Crocodile River plain. Elevation 1,250 feet. Annual rainfall 20 inches. Stoloniferous perennial; stolons few; stems fine; leaves to 8 inches high. Stolons.

299606. Col. No. 458. Disturbed dry sand, south bank of Pongola River, Highway N-14, 10 miles north of Mkuze, Natal. Elevation 500 feet. Annual rainfall 24 inches. Stoloniferous perennial; stolons few, long; stems fine, hirsute, light green. Stolons.

299455 to 300194—Continued**299602 to 299608—Continued**

299607. Col. No. 459. Seeds of P.I. No. 299606.

299608. Col. No. 472. Sand, 1 mile east of Pongola River, Tongaland, Natal. Elevation 400 feet. Annual rainfall 21 inches. Stoloniferous perennial; stems fine, hirsute; leaves to 6 inches high; heads to 24 inches high. Stolons.

299609. DIGITARIA DIAGONALIS (Nees) Stapf

Col. No. 286. Leached lateritic clay loam, railroad right-of-way, Westfalia Estate, Duiwelskloof, Transvaal. Elevation 3,000 feet. Perennial bunchgrass. Seeds.

299610 to 299613. DIGITARIA DIVERSINERVIS (Nees) Stapf

299610. Col. No. 204. Local name: Richmond grass. Rietondale Research Station, Pretoria, Plot 9. Natal. Light shade and low pH (4.0) tolerant, stoloniferous lawngrass; stems fine. Does well on sandy soils. Stolons.

299611. Col. No. 428. Local name: Richmond grass. Sandy soil, Baynes Drift, Umgeni River bank, Natal. Twelve miles northeast of Pietermaritzburg, Natal. Elevation 2,100 feet. Stolons.

299612. Col. No. 435. Local name: Richmond grass. Deep shade, 32 miles north of Tugela River, Natal, Highway N-14. Elevation 500 feet. Annual rainfall 45 inches. Leafy stoloniferous perennial; stems fine; leaves to 24 inches high. Stolons.

299613. Col. No. 486. Disturbed shady, sandy, roadbank, 13 miles east of Mtubatuba, St. Lucia Road, Natal. Elevation 300 feet. Stoloniferous perennial; stems fine, hirsute at nodes. Stolons.

299614 to 299636. DIGITARIA ERIANTHA Steud.

299614 to 299631. From the Rietondale Research Station, Pretoria. Stolons, unless otherwise noted.

299614. Col. No. 107. Plot No. 404. Pitsari, Bechuanaland. Rhizomatous bunchgrass; stems moderately coarse; leaves to 9 inches high; seed heads few.

299615. Col. No. 108. Plot 403. Sehitwa, Kalahari. Rhizomatous bunchgrass; stems moderately coarse; leaves to 13 inches high.

299616. Col. No. 131. Plot 749. Natal. Bunchgrass; stems moderately coarse; leaves to 14 inches high.

299617. Col. No. 132. Plot 751. Zeerust. Bunchgrass; stems moderately coarse; leaves narrow, to 14 inches high.

299618. Col. No. 148. Plot 748. Stella, Cape Province. Bunchgrass; stems moderately coarse; leaves to 14 inches high; seed heads few.

299619. Col. No. 150. Plot 723. Schweizer Reneke, Cape Province. Rhizomatous bunchgrass; stems moderately coarse; leaves to 10 inches high; seed heads few.

299620. Col. No. 151. Plot 725. Schweizer Reneke, Cape Province. Aggressive rhizomatous bunchgrass; stems fine; leaves to 10 inches high; seed heads few.

299621. Col. No. 152. Plot 708. Middelburg, Transvaal. Rhizomatous bunchgrass; stems coarse; leaves to 15 inches high.

299622. Col. No. 155. Plot 715. Settlers, Transvaal. Rhizomatous bunchgrass; stems fine; leaves to 14 inches high.

299623. Col. No. 165. Plot 703. Losberg, Transvaal. Bunchgrass; stems moderately coarse; leaves to 8 inches high; seed heads few.

299624. Col. No. 167. Plot 682. Rust der Winter, Transvaal. Bunchgrass; stems fine; leaves to 16 inches high.

299455 to 300194—Continued**299614 to 299631—Continued**

299625. Col. No. 177. Plot 678. Bandolierkop, Transvaal. Bunchgrass; stems fine; leaves to 16 inches high.

299626. Col. No. 178. Plot 651. Pienaars River, Transvaal. Bunchgrass; leaves narrow, dark green, to 14 inches high; seed heads few.

299627. Col. No. 189. Plot 268. Pienaars River, Transvaal. Bunchgrass; stems coarse; leaves to 8 inches high; seed heads few.

299628. Col. No. 211. Plot 608. Col. Rietz's Farm, White River, Transvaal. Bunchgrass; stems fine; leaves to 16 inches high.

299629. Col. No. 212. Plot 587. Olifantshoek, Transvaal. Bunchgrass; leaves to 20 inches high. Seeds.

299630. Col. No. 222. Plot 541. Armoedsulakte, West Transvaal. Bunchgrass; stems coarse; leaves to 14 inches high.

299631. Col. No. 229. Plot 476. Vryburg, Cape Province. Shade tolerant bunchgrass; stems moderately coarse; leaves to 12 inches high.

299632. Col. No. 547. Seed in grazing plots, Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Rhizomatous bunchgrass. Seeds.

299633. Col. No. 606. Rangeland 24 miles southeast of Jasenville, Cape Province. Elevation 1,600 feet. Annual rainfall 8 inches. Perennial bunchgrass; leaves to 10 inches high; heads to 24 inches high. Seeds.

299634. Col. No. 670. Low, wet, disturbed site, 10 miles east of Uitenhage, Cape Province. Elevation 200 feet. Annual rainfall 15 inches. Rhizomatous perennial bunchgrass; leaves to 12 inches high; heads to 24 inches high. Seeds.

299635. Col. No. 691. Shallow, rocky clay soil, waste ground, Riversdale, Cape Province. Elevation 400 feet. Annual rainfall 16 inches. Rhizomatous perennial bunchgrass; leaves to 7 inches high; heads to 20 inches high. Seeds.

299636. Col. No. 699. Rocky clay, ungrazed pasture, 18 miles west of Riversdale, Cape Province, Highway N-2. Elevation 500 feet. Annual rainfall 18 inches. Rhizomatous perennial bunchgrass; leaves to 10 inches high; heads to 36 inches high. Seeds.

299637 and 299638. DIGITARIA GAZENSIS Rendle

299637. Col. No. 217. Rietondale Research Station, Pretoria. Plot 554 Hluhluwe Game Reserve, Zululand. Bunchgrass; leaves to 14 inches high. Seeds.

299638. Col. No. 219. Stolons of P.I. No. 299637.

299639 to 299641. DIGITARIA GENICULATA Stent

299639. Col. No. 629. Shallow clay loam, 50 miles southwest of East London, Cape Province, Highway N-2. Elevation 500 feet. Annual rainfall 25 inches. Stoloniferous perennial making good ground cover under grazing; stolons glabrous except on leaf sheaths. Seeds.

299640. Col. No. 679. Disturbed sandy loam, Gamtoos River Plain, 15 miles east of Humansdorp, Cape Province, Highway N-2. Rhizomatous perennial bunchgrass; leaves to 8 inches high; heads to 24 inches high. Seeds.

299641. Col. No. 690. Disturbed shallow clay, 10 miles west of Mosselbaai, Cape Province, Highway N-2. Elevation 300 feet. Annual rainfall 24 inches. Perennial bunchgrass; leaves to 8 inches high; heads to 20 inches high. Seeds.

299455 to 300194—Continued

299642 to 299644. *DIGITARIA LONGIFLORA* (Retz.) Pers.

299642. Col. No. 141. Rietondale Research Station, Pretoria, Plot 735. Plants stoloniferous, dark green, making good ground cover; stems fine; leaves to 4 inches high. Possible lawngrass. Stolons.

299643. Col. No. 283. Old, red clay roadbed, Westfalia Estate near Duiwelskloof, Transvaal. Elevation 3,400 feet. Stoloniferous perennial; stolons short, branching; leaves to 3 inches high. Stolons.

299644. Col. No. 437. Disturbed sandy roadside, Hluhluwe Game Reserve, Natal. Elevation 600 feet. Annual rainfall 35 inches. Stoloniferous perennial; stems fine; 2 racemes per inflorescence. Stolons.

299645 to 299651. *DIGITARIA MACROGLOSSA* Henr.

299645. Col. No. 425. Disturbed clay loam along Wartburg Road, 5 miles northwest of Pietermaritzburg, Natal. Elevation 2,700 feet. Annual rainfall 30 inches. Rhizomatous perennial; clumps to 12 inches in diameter; leaves to 20 inches high; heads to 48 inches high; seeds profuse. Seeds.

299646. Col. No. 441. Open, grazed, sandy grassland. Hluhluwe Game Reserve, Natal. Elevation 850 feet. Annual rainfall 35 inches. Plants form small clumps; heads to 36 inches high. Seeds.

299647. Col. No. 484. Disturbed white sand wasteland, 2 miles east of Mtubatuba, St. Lucia Road, Natal. Elevation 300 feet. Rhizomatous perennial; clumps large; leaves to 15 inches high; heads to 48 inches high. Seeds.

299648. Col. No. 488. Coastal dunes 1 mile east of St. Lucia, Natal. Elevation 24 feet. Rhizomatous perennial; clumps large; leaves to 20 inches high; heads to 40 inches high. Used to stabilize dunes. Stolons.

299649. Col. No. 620. Weed, Pineapple Research Station, East London, Cape Province. Elevation 500 feet. Annual rainfall 30 inches. Rhizomatous perennial bunchgrass; leaves to 15 inches high; heads to 48 inches high. Seeds.

299650. Col. No. 682. Wet, disturbed site, 3 miles west of Keurbooms River, Cape Province, Highway N-2. Elevation 300 feet. Annual rainfall 20 inches. Rhizomatous perennial bunchgrass; leaves to 15 inches high; heads to 40 inches high. Seeds.

299651. Col. No. 684. Disturbed hillside 5 miles west of Knysna River, Cape Province, Highway N-2. Elevation 400 feet. Annual rainfall 24 inches. Rhizomatous bunchgrass; leaves to 12 inches high; heads to 40 inches high. Seeds.

299652 to 299654. *DIGITARIA MACROGLOSSA* var. *PROSTRATA* (Henr.) Stent

299652. Col. No. 418. Hard rocky clay wasteland, eight miles north of Muden, Natal, Mooi River valley. Elevation 2,800 feet. Annual rainfall 20 inches. Drought tolerant. Stoloniferous perennial; stolons few; stems large; heads to 36 inches high. Stolons.

299653. Col. No. 423. Seeds of P.I. No. 299652.

299654. Col. No. 683. Disturbed rocky clay, 3 miles east of Plettenburgbay, Cape Province, Highway N-2. Elevation 150 feet. Annual rainfall 20 inches. Stoloniferous perennial; rhizomes and stems large; leaves to 12 inches high; heads to 40 inches high. Seeds.

299655 to 299702. *DIGITARIA MILANJIANA* (Rendle) Stapf

299655 to 299699. From the Rietondale Research Station, Pretoria. Stolons.

299655. Col. No. 2. Plot 467. Lake Dow, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 14 inches high.

299455 to 300194—Continued**299655 to 299702—Continued****299655 to 299699—Continued**

299656. Col. No. 5. Plot 464. Plant bunch type; stems fine; leaves to 24 inches high.
299657. Col. No. 8. Plot 461. Plant stoloniferous; stems fine; leaves to 10 inches high.
299658. Col. No. 11. Plot 458. Plant stoloniferous; stems fine; leaves to 10 inches high.
299659. Col. No. 12. Plot 457. Plant stoloniferous; stems moderately coarse; leaves to 10 inches high, broad, with considerable reddish color.
299660. Col. No. 15. Plot 833. Plant bunch type; stems coarse; leaves to 6 inches high, broad; seed heads few.
299661. Col. No. 16. Plot 834. Plant stoloniferous; stems fine; leaves to 12 inches high.
299662. Col. No. 17. Plot 835. Plants stoloniferous; stems fine; leaves to 12 inches high.
299663. Col. No. 27. Plot 825. Nanjuki, Kenya. Plant stoloniferous; stolons few.
299664. Col. No. 28. Plot 826. Yatta Plains, Kenya. Plant stoloniferous; stems moderately fine; leaves to 16 inches high.
299665. Col. No. 29. Plot 827. Goha Hills, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 18 inches high.
299666. Col. No. 31. Plot 829. Nauanga River, Kenya. Plant stoloniferous; stolons few; stems moderately coarse; leaves to 18 inches high.
299667. Col. No. 33. Plot 831. Banagi Plains, Mozambique. Plant stoloniferous; stems fine; leaves to 10 inches high.
299668. Col. No. 37. Plot 452. Tsotsoroga Pan, Kalahari. Plant stoloniferous; stems fine; leaves blue green, to 8 inches high.
299669. Col. No. 41. Plot 448. Goha Hills, Kalahari. Plant stoloniferous; stems fine; leaves to 8 inches high.
299670. Col. No. 45. Plot 444. Goha Hills, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 12 inches high.
299671. Col. No. 48. Plot 441. Plant stoloniferous; stems fine; leaves to 8 inches high.
299672. Col. No. 55. Plot 433. Koahra Pits, Kalahari. Plant stoloniferous; stolons few; stems coarse; leaves blue green, to 15 inches high.
299673. Col. No. 58. Plot 430. N'Koara Pits, Kalahari. Plant stoloniferous; stems fine; leaves to 12 inches high.
299674. Col. No. 61. Plot 427. Zarchum Pan, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 18 inches high.
299675. Col. No. 65. Plot 808. Shire River, Nyasaland. Plant stoloniferous; stems coarse; leaves broad, to 15 inches high.
299676. Col. No. 66. Plot 809. Ruenya, Nyasaland. Plant stoloniferous; stems moderately coarse; leaves numerous, to 24 inches high. Yield outstanding.
299677. Col. No. 67. Plot 810. Ruenya, Nyasaland. Plant stoloniferous; stems fine; leaves to 6 inches high; seed heads few.
299678. Col. No. 69. Plot 812. Ruenya, Nyasaland. Plant stoloniferous; stems fine; leaves to 7 inches high.

299455 to 300194—Continued

299655 to 299702—Continued

299655 to 299699—Continued

299679. Col. No. 70. Plot 813. Ruenya, Nyasaland. Plant stoloniferous; stems moderately coarse; leaves to 11 inches high; seed heads few.
299680. Col. No. 75. Plot 818. Lion Camp. Plants stoloniferous; stolons few; stems moderately coarse; plants 12 inches high.
299681. Col. No. 77. Plot 792. Gomoti River. Plant stoloniferous; stems fine; leaves to 18 inches high.
299682. Col. No. 81. Plot 796. Zomba Plateau, Nyasaland. Plant stoloniferous; stems fine; leaves to 9 inches high.
299683. Col. No. 89. Plot 804. Gomoti River. Plant stoloniferous; stems moderately coarse; leaves to 22 inches high.
299684. Col. No. 92. Plot 424. Choli River (Kachikau), Kalahari. Plant stoloniferous; stems fine; leaves to 18 inches high.
299685. Col. No. 93. Plot 423. N'Koana Pits, Kalahari. Plants stoloniferous; stems moderately coarse; leaves to 18 inches high.
299686. Col. No. 99. Plot 417. Kazungula, junction of Chobi and Zambesi Rivers. Plants stoloniferous; stems fine; leaves to 12 inches high.
299687. Col. No. 109. Plot 402. Lake Dow, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 17 inches high.
299688. Col. No. 112. Plot 778. Katimo-Molilo Rapids, Caprivi. Plant stoloniferous, leafy; stems moderately coarse; leaves to 17 inches high.
299689. Col. No. 113. Plot 779. Rakuku North Ameiland. Plant stoloniferous; stems fine; leaves to 9 inches high. Mature early.
299690. Col. No. 115. Plot 781. Shire River, Nyasaland. Plant stoloniferous; stems fine; leaves to 7 inches high.
299691. Col. No. 116. Plot 782. Tsotsoroga Pan, Kalahari. Plant stoloniferous; stems fine; leaves to 15 inches high.
299692. Col. No. 134. Plot 754. Malmaniesoog. Plants stoloniferous, form good ground cover; stems fine; leaves to 7 inches high; seed heads few.
299693. Col. No. 162. Plot 699. St. Lucia, Zululand. Plants stoloniferous, form good ground cover; stems fine; leaves to 10 inches high.
299694. Col. No. 170. Plot 688. Serengetic Flats, Tanganyika. Plants stoloniferous; stems fine; leaves to 12 inches high.
299695. Col. No. 174. Plot 670. Dongola Reserve, Transvaal. Plant stoloniferous; moderately aggressive; stems fine; leaves to 8 inches high.
299696. Col. No. 176. Plot 677. Mossel Bay, Cape Province. Plant stoloniferous, forms good ground cover; stems fine; leaves to 20 inches high.
299697. Col. No. 193. Plot 611. Somkele, Zululand. Plant stoloniferous; stems coarse; leaves dark green, to 6 inches high; seed heads few.
299698. Col. No. 196. Plot 222. Umfolozi River, Zululand. Plant stoloniferous; stems coarse; leaves blue green, broad, to 8 inches high.
299699. Col. No. 277. Plot 499. Kuruman. Plant stoloniferous; stems moderately coarse; leaves to 24 inches high.

299455 to 300194—Continued

299655 to 299702—Continued

299700. Col. No. 276. Local name: Mlanjigrass. Sandy loam road ditch, flood plain between Hout and Sand Rivers, 15 miles west of Louis Trichardt, Transvaal. Elevation 3,140 feet. Stoloniferous perennial; stolons long; leaves to 10 inches high. Stolons.
299701. Col. No. 279. Local name: Mlanjigrass. Road ditch near the Luvuvhu River, 15 miles east of Louis Trichardt, Transvaal. Elevation 3,100 feet. Stoloniferous perennial with strong rhizomes; leaves to 12 inches high; heads to 24 inches high. Stolons.
299702. Col. No. 287. Local name: Mlanjigrass. Leached lateritic clay loam, railroad right-of-way, Westfalia Estate, Duiwelskloof, Transvaal. Elevation 3,000 feet. Rhizomatous perennial forming dense sod. Stolons.

299703 to 299738. *DIGITARIA MILANJIANA* subsp. *EYLESIANA* Henr.

From the Rietondale Research Station, Pretoria. Stolons.

299703. Col. No. 10. Plot 459. Nababi Flats, Bechuanaland. Plant stoloniferous, tends to form clumps; stems fine; leaves to 12 inches high.
299704. Col. No. 25. Plot 823. Kwaai, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 16 inches high.
299705. Col. No. 26. Plot 824. Plant stoloniferous; stems moderately coarse; leaves to 14 inches high.
299706. Col. No. 38. Plot 451. Goha Hills, Kalahari. Plant stoloniferous; stems fine; leaves to 12 inches high.
299707. Col. No. 42. Plot 447. Goha Hills, Kalahari. Plants stoloniferous; stems fine; leaves to 18 inches high.
299708. Col. No. 43. Plot 446. Goha Hills, Kalahari. Plants stoloniferous; stems fine; leaves to 16 inches high.
299709. Col. No. 46. Plot 443. Goha Hills, Kalahari. Plants stoloniferous; stems fine; leaves to 14 inches high.
299710. Col. No. 47. Plot 442. Goha Hills, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 16 inches high.
299711. Col. No. 50. Plot 438. Tsotsorogo Pan, Kalahari. Plant stoloniferous; stolons few; stems moderately coarse; leaves to 18 inches high.
299712. Col. No. 51. Plot 437. Zarchum Pan, Kalahari. Plant stoloniferous; stolons few; stems coarse; leaves to 16 inches high.
299713. Col. No. 52. Plot 436. N'Koahra Pits, Kalahari. Plant stoloniferous; stems moderately coarse; heads to 10 inches high.
299714. Col. No. 53. Plot 435. N'Koahra Pits, Kalahari. Plant stoloniferous; stems fine; leaves to 14 inches high.
299715. Col. No. 54. Plot 434. N'Kuama Pits, Kalahari. Plant stoloniferous; stolons few; stems coarse; leaves to 14 inches high.
299716. Col. No. 56. Plot 432. N'Koahra Pits, Kalahari. Plant stoloniferous forms poor ground cover; stolons few; stems coarse; leaves to 12 inches high.
299717. Col. No. 71. Plot 814. Ruenya, Nyasaland. Plant stoloniferous; early maturing; stems fine; leaves to 13 inches high.
299718. Col. No. 72. Plot 815. Mt. Mlanje, Nyasaland. Plant stoloniferous; stems moderately coarse; leaves to 12 inches high.
299719. Col. No. 80. Plot 795. Shire River, Nyasaland. Plant stoloniferous; stems fine; leaves to 13 inches high.

299455 to 300194—Continued**299703 to 299738—Continued**

299720. Col. No. 83. Plot 798. Ruenya, Nyasaland. Plant stoloniferous; stems moderately coarse; leaves blue green, to 12 inches high.
299721. Col. No. 86. Plot 801. Blantyre, Nyasaland. Plant stoloniferous; stems fine; leaves to 20 inches high.
299722. Col. No. 87. Plot 802. Gomati River. Plant stoloniferous; stems moderately coarse; leaves to 14 inches high.
299723. Col. No. 90. Plot 426. Chobi River, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 24 inches high.
299724. Col. No. 91. Plot 425. Chobi River, Kalahari. Plant stoloniferous; aggressive, dark green, forms good ground cover; stems fine; leaves to 18 inches high.
299725. Col. No. 100. Plot 416. Tsane, Bechuanaland. Plant stoloniferous; stems moderately coarse; leaves to 16 inches high.
299726. Col. No. 101. Plot 415. Zanchum Pan, Kalahari. Plant stoloniferous; stolons few; stems moderately coarse; leaves to 18 inches high.
299727. Col. No. 103. Plot 413. Tsane, Bechuanaland. Plant stoloniferous; stems fine; leaves to 15 inches high; heads to 36 inches high.
299728. Col. No. 104. Plot 410. Plant stoloniferous; stems moderately coarse; leaves to 17 inches high.
299729. Col. No. 117. Plot 783. Rakuku, Gamiland. Plant stoloniferous; stems moderately coarse; leaves to 15 inches high.
299730. Col. No. 120. Plot 789. Rakops, North Gamiland. Plant stoloniferous; stems fine; leaves to 20 inches high; heads to 48 inches high.
299731. Col. No. 121. Plot 790. Maun, North Gamiland. Plant stoloniferous; stems fine; leaves to 18 inches high.
299732. Col. No. 163. Plot 700. St. Lucia, Zululand. Plant stoloniferous; stems fine; leaves to 10 inches high.
299733. Col. No. 175. Plot 675. Pietersburg, Transvaal. Plant stoloniferous; stems fine; leaves to 12 inches high.
299734. Col. No. 181. Plot 660. Pietersburg, Transvaal. Plant stoloniferous; stem fine; leaves to 8 inches high.
299735. Col. No. 184. Plot 463. Tsiolo, Kenya. Plant stoloniferous; stolons few; stems moderately coarse; leaves to 16 inches high.
299736. Col. No. 186. Plot 646. Matabele location. Plant stoloniferous; stems moderately coarse; leaves to 8 inches high.
299737. Col. No. 199. Plot 601. Prinshof Research Station. Plant stoloniferous; stems coarse.
299738. Col. No. 216. Horticultural Research Institute, Pretoria, Plot 576. "Irene", Pretoria District, Transvaal. Plant stoloniferous; stems moderately coarse.
- 299739 to 299778. DIGITARIA PENTZII Stent**
- 299739 to 299755. From the Rietondale Research Station, Pretoria. Stolons.
299739. Col. No. 3. Plot 466. Goha Hills, Kalahari. Plant stoloniferous; stems fine; leaves to 16 inches high.
299740. Col. No. 44. Plot 445. Goha Hills, Kalahari. Plant stoloniferous; stems fine; leaves to 12 inches high.
299741. Col. No. 68. Plot 811. Selection from 'Kwaai', Kalahari strain. Plant stoloniferous; stems moderately coarse; leaves to 12 inches high.

299455 to 300194—Continued

299739 to 299778—Continued

299739 to 299755—Continued

299742. Col. No. 84. Plot 799. Plant stoloniferous; stems moderately coarse; leaves to 12 inches high.
299743. Col. No. 110. Plot 401. Kolo, Kalahari. Plant stoloniferous, forms good ground cover; stems fine; leaves light green, to 13 inches high.
299744. Col. No. 118. Plot 786. N'Jakwa, Mozambique. Plant stoloniferous; stems moderately coarse; internodes long; leaves to 16 inches high.
299745. Col. No. 124. Plot 766. Potchefstroom, Transvaal. Plant stoloniferous; stems fine; leaves to 16 inches high.
299746. Col. No. 137. Plot 759. Schweizer Reneke, Transvaal. Plant stoloniferous; stolons few; leaves to 10 inches high.
299747. Col. No. 154. Plot 713. Devon. Plant stoloniferous; stems fine; leaves to 10 inches high.
299748. Col. No. 180. Plot 657. Somerset, Cape Province. Plant stoloniferous; stems fine; leaves to 10 inches high.
299749. Col. No. 190. Plot 629. Weenan, Natal, Boesman-Tugela Rivers junction. Plant stoloniferous; stems coarse; leaves to 14 inches high.
299750. Col. No. 192. Plot 609. Sabie, Transvaal. Plant stoloniferous; shade tolerant; stolons few; foliage dark green.
299751. Col. No. 197. Plot 597. South Rhodesia. Plant stoloniferous; stolons few; stems coarse; leaves to 10 inches high.
299752. Col. No. 213. Plot 602. Plant stoloniferous; stems moderately coarse; leaves to 12 inches high.
299753. Col. No. 224. Plot 533. Pongola River, Zululand. Plant stoloniferous; stems fine; leaves to 8 inches high.
299754. Col. No. 226. Plot 524. West Nicholson. Plant stoloniferous, moderately shade tolerant; stems fine; leaves to 16 inches high.
299755. Col. No. 228. Plot 509. Twani. Plant stoloniferous; Plants form good ground cover; leaves light green, to 16 inches high.
299756. Col. No. 278. Local name: Woolly fingergrass. Gravelly sand pasture 15 miles southwest of Louis Trichardt, Transvaal. Elevation 3,100 feet. Annual rainfall 20 inches. Stoloniferous perennial; roots strong, fleshy, below crown; stolons long; leaves to 8 inches high; heads to 24 inches high. Stolons.
299757. Col. No. 280. Local name: Woolly fingergrass. Undisturbed sandy hillside, 20 miles southeast of Louis Trichardt, Transvaal, south of the Klein-Letaba River. Stoloniferous perennial; leaves to 12 inches high; heads to 28 inches high. Stolons.
299758. Col. No. 295. Local name: Woolly fingergrass. Hard packed gravelly clay soil along roadside, 14 miles south of Tzaneen on Great Letaba River. Plants growing in *Cynodon-Panicum* association. Elevation 2,400 feet, level terrain; annual rainfall 25 inches. Stoloniferous perennial with few stolons, leaf height 10 inches, head height 28 inches, blue-green foliage. Seeds of P.I. 299759.
299759. Col. No. 296. Local name: Woolly fingergrass. Stoloniferous perennial. Stolons of P.I. 299758.
299760. Col. No. 321. Local name: Woolly fingergrass. Hard disturbed gravelly sand 1 mile east of Louws Creek, Transvaal. Elevation 2,900 feet. Stoloniferous perennial; hirsute; stems small. Stolons.

299455 to 300194—Continued

299739 to 299778—Continued

299761. Col. No. 323. Local name: Woolly fingergrass. Sandy gravelly disturbed roadside, 1 mile west of Tonette, Transvaal, Highway N-4. Elevation 2,840 feet. Hirsute stoloniferous perennial; stolons few; leaves to 10 inches high. Stolons.
299762. Col. No. 340. Local name: Woolly fingergrass. Sandy roadside, Nahpe Road, Kruger National Park. Elevation 1,100 feet. Annual rainfall 20 inches. Stoloniferous perennial; leaves to 10 inches high. Stolons.
299763. Col. No. 346. Local name: Woolly fingergrass. Dry, sandy streambed, partial shade, along Loop Road, Kruger National Park. Elevation 1,050 feet. Annual rainfall 22 inches. Stoloniferous perennial; stems fine; heads to 30 inches high. Stolons.
299764. Col. No. 348. Seeds of P.I. No. 299763.
299765. Col. No. 351. Shallow sandy soil, open grassland, near Skukuza rest camp, Kruger National Park. Elevation 1,000 feet. Stoloniferous perennial; stolons few; stems small. Stolons.
299766. Col. No. 355. Shallow sand on basalt rock, open grassland, Tshokwane Road, Kruger National Park. Elevation 1,100 feet. Annual rainfall 21 inches. Vigorous stoloniferous perennial; stem large; stolons long; leaves to 24 inches high; heads to 36 inches high. Stolons.
299767. Col. No. 356. Seeds of P.I. No. 299766.
299768. Col. No. 440. Open disturbed sandy grassland, Hluhluwe Game Reserve, Natal. Elevation 450 feet. Annual rainfall 33 inches. Aggressive stoloniferous perennial; stems fine. Stolons.
299769. Col. No. 468. Shallow rocky clay grazed pasture, 2 miles north of Tobotini, Natal, Pongola River. Elevation 400 feet. Annual rainfall 21 inches. Stoloniferous perennial; stolons few; stems fine, hirsute, soft. Stolons.
299770. Col. No. 469. Grazed, shallow rocky clay pasture, 5 miles north of Tobotini, Natal. Elevation 400 feet. Annual rainfall 21 inches. Robust stoloniferous perennial; stems fine, glabrous. Stolons.
299771. Col. No. 470. Sandy grazed pasture, 8 miles north of Tobotini, Natal. Stoloniferous perennial; stems fine; stolons hirsute at nodes. Stolons.
299772. Col. No. 545. Orchard weed, clay soil, Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Stoloniferous perennial. Seeds.
299773. Col. No. 619. Sandy clay loam wasteland, 5 miles west of East London, Cape Province. Elevation 400 feet. Annual rainfall 30 inches. Stoloniferous perennial; stolons few, short; leaves to 12 inches high; heads to 40 inches high. Seeds.
299774. Col. No. 624. Disturbed roadbank 20 miles southwest of East London. Elevation 550 feet. Annual rainfall 30 inches. Stoloniferous perennial; stolons brittle, forming plant tufts at nodes. Stolons.
299775. Col. No. 627. Shallow, rocky doleritic soil, grazed pasture 40 miles southwest of East London. Elevation 500 feet. Annual rainfall 25 inches. Stoloniferous perennial, forming good ground cover; stems small. Stolons.
299776. Col. No. 646. Clay soil, Bathurst Agricultural Research Station, Bathurst, Cape Province. Elevation 850 feet. Annual rainfall 27 inches. Stoloniferous perennial. Stolons.
299777. Col. No. 653. Railroad right-of-way, 5 miles southwest of Alexandria, Cape Province. Elevation 700 feet. Annual rainfall 28 inches. Stoloniferous perennial; stolons branched; stems medium coarse; leaves to 8 inches high; heads to 36 inches high. Stolons.

299455 to 300194—Continued**299739 to 299778—Continued**

299778. Col. No. 654. Seeds of P.I. No. 299777.

299779 and 299780. DIGITARIA PENTZII var. STOLONIFERA (Stent) Stapf

299779. Col. No. 436. Disturbed sandy roadbank, Hluhluwe Game Reserve, Natal. Elevation 600 feet. Annual rainfall 32 inches. Stoloniferous perennial; stems fine; leaves hirsute soft. Stolons.

299780. Col. No. 479. Umfolozi Game Reserve, Natal. Elevation 600 feet. Annual rainfall 30 inches. Stoloniferous perennial; stolons few; leaves and stems very hairy; leaves blue green, hairs stiff. Seeds.

299781 to 299784. DIGITARIA POLEVANSII Stent

299781 to 299783. From the Rietondale Research Station, Pretoria. Stolons.

299781. Col. No. 18. Plot 836. Plant stoloniferous; stems coarse; leaves to 12 inches high; seed heads few.

299782. Col. No. 79. Plot 794. Plant stoloniferous; leafy; stems fine; leaves to 22 inches high.

299783. Col. No. 140. Plot 762. Stella. Plant stoloniferous; stems moderately coarse; leaves narrow, to 8 inches high; seed heads few.

299784. Col. No. 557. Exposed, shallow rocky disturbed site, 5 miles east of Barkley West, Highway S-5, Cape Province. Elevation 4,000 feet. Annual rainfall 15 inches. Rhizomatous perennial bunchgrass; clumps large; leaves to 10 inches high. Seeds.

299785. DIGITARIA POLYPHYLLA Henr.

Col. No. 215. Rietondale Research Station, Pretoria. Plot 575. Plant rhizomatous; stolons few; leaves near end of stems, to 16 inches high. Seeds.

299786. DIGITARIA SCALARUM (Schweinf.) Chiov.

Col. No. 508. Local name: Dunns fingergrass. Springfontein de Hoek, Estcourt Research Farm, Estcourt, Natal. Elevation 4,400 feet. Annual rainfall 33 inches. Aggressive stoloniferous perennial; leaves to 5 inches high; heads to 14 inches high. It may become a weed. Stolons.

299787 to 299807. DIGITARIA SETIVALVA Stent

299787 to 299806. From Rietondale Research Station, Pretoria. Stolons.

299787. Col. No. 7. Plot 462. Plant stoloniferous; stems fine; leaves to 12 inches high.

299788. Col. No. 9. Plot 460. Bara River, Kalahari. Plant stoloniferous; stems fine; leaves to 8 inches high.

299789. Col. No. 13. Plot 456. Kenya. Plant stoloniferous; stems fine; leaves to 12 inches high.

299790. Col. No. 14. Plot 455. Suk Reserve, Kenya. Plant stoloniferous; stems fine; leaves to 10 inches high.

299791. Col. No. 22. Plot 840. Plant stoloniferous; stems fine; leaves to 8 inches high; seed heads few.

299792. Col. No. 23. Plot 821. Lake N'Gami, Kalahari. Plant stoloniferous; stems coarse; leaves to 24 inches high.

299793. Col. No. 24. Plot 822. Congo River. Plant stoloniferous; stems coarse; internodes long; leaves to 8 inches high; seed heads few.

299794. Col. No. 34. Plot 832. Banagi Plains, Mozambique. Plant stoloniferous; leaves to 14 inches high.

299795. Col. No. 35. Plot 454. Tsotsoroga Pan, Kalahari. Plant stoloniferous; stolons few; stems moderately fine; leaves broad, to 12 inches high.

299455 to 300194—Continued

299787 to 299807—Continued

299787 to 299806—Continued

299796. Col. No. 40. Plot 449. Goha Hills, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 20 inches high.
299797. Col. No. 57. Plot 431. N'Koara Pits, Kalahari. Plant stoloniferous; stems moderately coarse; leaves to 14 inches high.
299798. Col. No. 76. Plot 791. Gomoti River. Plant stoloniferous; stems fine; leaves to 10 inches high.
299799. Col. No. 82. Plot 797. Gomoti River. Plant stoloniferous; stems fine; leaves to 14 inches high.
299800. Col. No. 85. Plot 800. Plant stoloniferous; stems fine; leaves to 14 inches high.
299801. Col. No. 94. Plot 442. Chobi River, Kalahari. Plant stoloniferous; stolons few; stems moderately coarse; leaves to 20 inches high.
299802. Col. No. 98. Plot 418. Kazungula, Chobi-Zambezi River junction. Plant stoloniferous; stolons few; stems moderately coarse; leaves to 10 inches high.
299803. Col. No. 130. Plot 775. Plant stoloniferous; leafy; stems fine; leaves to 24 inches high.
299804. Col. No. 214. Plot 592. Pretoria District, Transvaal. Plant stoloniferous; stems fine; leaves to 12 inches high.
299805. Col. No. 218. Plot 555. Plant stoloniferous; reddish; stems fine; heavy seeder.
299806. Col. No. 221. Plot 565. Horticultural Research Station, Nelspruit. Plant stoloniferous; stems coarse; leaves to 8 inches high; leaves wiry.
299807. Col. No. 477. Coarse sandy wasteland 12 miles east of Nongoma, Natal. Elevation 2,000 feet. Annual rainfall 35 inches. Strongly rhizomatous perennial bunchgrass; leaves to 8 inches high; seed heads large. Seeds.

299808 to 299835. *DIGITARIA SMUTSII* Stent

- 299808 to 299828. From the Rietondale Research Station, Pretoria. Stolons, unless otherwise noted.
299808. Col. No. 4. Plot 465. Early maturing bunchgrass; stems fine; internodes long; leaves to 8 inches high.
299809. Col. No. 6. Plot 463. Bunchgrass; stems coarse; leaves broad, blue green, to 6 inches high.
299810. Col. No. 20. Plot 838. Bunchgrass; stems coarse; leaves to 14 inches high; heads to 60 inches high.
299811. Col. No. 36. Plot 453. Tsotsoroga Pan, Kalahari. Bunchgrass; stem wiry; leaves to 14 inches high.
299812. Col. No. 39. Plot 450. Koha Hills, Kalahari. Bunchgrass; stems moderately coarse; leaves to 14 inches high; leaf sheaths very hairy.
299813. Col. No., 78. Plot 793. Bunchgrass; leaves light green; stems coarse; leaves to 14 inches high.
299814. Col. No. 95. Plot 421. Chobi River, Kalahari. Bunchgrass; stems fine; leaves to 10 inches high.
299815. Col. No. 111. Plot 777. Gomoti. Bunchgrass; stems coarse; leaves wide, to 14 inches high.
299816. Col. No. 114. Plot 780. Rakuku, Gamiland. Early maturing bunchgrass; stems coarse; internodes long; leaves to 15 inches high.

299455 to 300194—Continued

299808 to 299835—Continued

299808 to 299828—Continued

299817. Col. No. 119. Plot 788. Rakops, North Gamiland. Bunchgrass; stems moderately coarse; leaves to 12 inches high.
299818. Col. No. 125. Plot 767. Klerksdorp, Transvaal. Early maturing bunchgrass; stems coarse; leaves to 12 inches high.
299818. Col. No. 129. Plot 772. Haenertsburg. Bunchgrass; stems moderately coarse.
299820. Col. No. 149. Plot 721. Schweizer Reneke, Transvaal. Bunchgrass; stems fine; leaves to 14 inches high.
299821. Col. No. 157. Plot 717. Schweizer Reneke, Transvaal. Bunchgrass; stems moderately coarse; leaves dark green, to 8 inches high.
299822. Col. No. 160. Plot 695. Kruggs River. Bunchgrass; stems coarse; leaves to 24 inches high. Seeds.
299823. Col. No. 161. Plot 696. Middelburg, Transvaal. Bunchgrass; stems coarse; leaves dark green.
299824. Col. No. 164. Plot 702. Lydenburg, Transvaal. Bunchgrass; stems fine; leaves to 12 inches high; seed heads few.
299825. Col. No. 182. Plot 638. Pienaars River, Transvaal. Bunchgrass; stems moderately coarse; leaves to 16 inches high.
299826. Col. No. 185. Plot 644. Leeupoort, Elands River. Bunchgrass; stems moderately coarse; leaves to 12 inches high; seed heads few.
299827. Col. No. 187. Plot 647. Rietondale selection. Bunchgrass; heads to 48 inches high; seed production heavy. Seeds.
299828. Col. No. 194. Plot 612. Somkele, Zululand. Bunchgrass; stems moderately coarse; leaves to 8 inches high.
299829. Col. No. 245. Rocky, gravelly, open grassland roadside, 5 miles north of Pretoria, Highway N-1. Elevation 4,700 feet. Perennial bunchgrass; basal leaves few; leaves to 8 inches high. Seeds.
299830. Col. No. 252. Thabazimbi strain. Fine sandy loam, Towoomba Experiment Station, Transvaal. Plat River Plain. Elevation 4,250 feet. Annual rainfall 19 inches. Erect rhizomatous bunchgrass making fair ground cover under controlled grazing; leaves to 12 inches high; heads to 24 inches high.
299831. Col. No. 253. Seeds of P.I. No. 299830.
299832. Col. No. 401. Commercial seed from Estcourt Research Farm, Estcourt, Natal.
299833. Col. No. 461. Rocky sandy clay, Khosi Halt Road, northwest of Mkuze, Natal. Elevation 600 feet. Annual rainfall 22 inches. Vigorous rhizomatous perennial; leaves to 12 inches high; leaf sheaths and spikelets hairy. Seeds.
299834. Col. No. 517. Commercial seeds from S. R. Gasson, Marquard, Orange Free State.
299835. Col. No. 580. South West Africa. Grootfontein Agricultural College, Middelburg, Cape Province. Leafy, drought tolerant rhizomatous perennial, bunch habit; leaves blue green, to 15 inches high; heads to 36 inches high. Seeds.
299836. *DIGITARIA SWAZILANDENSIS* Stent
- Col. No. 203. Local name: Swaziland fingergrass. Plot 8. Horticultural Research Station, Pretoria. Swaziland. Plant stoloniferous; stems fine. For lawns and grazing. Stolons.

299455 to 300194—Continued**299837.** *DIGITARIA* cf. *DECUMBENS* Stent

Col. No. 209. Local name: Swaziland fingergrass. Plot 602. Horticultural Research Institute, Pretoria. Meerlus. Plant stoloniferous; stems fine; leaves narrow, to 9 inches high; heads to 20 inches high. Stolons.

299838 to 299840. *DIGITARIA SWAZILANDENSIS* Stent

299838. Col. No. 282. Local name: Swaziland fingergrass. Clay loam grassland Westfalia Estate near Duiwelskloof, Transvaal. Elevation 3,400 feet. Shade tolerant stoloniferous perennial; leaves to 6 inches high. Stolons.

299839. Col. No. 379. Local name: Swaziland fingergrass. Estcourt Research Farm, Estcourt, Natal. Elevation 3,800 feet. Annual rainfall 29 inches. Stoloniferous perennial. Stolons.

299840. Col. No. 444. Local name: Swaziland fingergrass. Heavily grazed grassland, Hluhluwe Game Reserve, Natal. Elevation 700 feet. Annual rainfall 35 inches. Stoloniferous perennial; stems fine. Stolons.

299841. *DIGITARIA TERNATA* (A. Rich.) Stapf

Col. No. 485. Disturbed sand 11 miles east of Mtubatuba, St. Lucia Road, Natal. Annual bunchgrass; leaves to 12 inches high. Seeds.

299842 and 299843. *DIGITARIA TRICHOLAENOIDES* Stapf

299842. Col. No. 407. Open grassland, sandy loam, Ntabanhlope Research Farm, Estcourt, Natal. Elevation 5,000 feet. Rhizomatous perennial adapted to 40 inches rainfall and temperatures to 50F.; rhizomes short, thick; leaves to 12 inches high; heads to 18 inches high. Rhizomes.

299843. Col. No. 523. Pasture 15 miles east of Bethlehem, Orange Free State on Clarens Road. Elevation 5,200 feet. Annual rainfall 30 inches. Rhizomatous perennial; leaves to eight inches high; heads to 30 inches high. Rhizomes.

299844 to 299890. *DIGITARIA VALIDA* Stent

299844 to 299879. Rietondale Research Station, Pretoria. Stolons. Local name: Large fingergrass.

299844. Col. No. 19. Plot 837. Plant stoloniferous; leaves to 8 inches high; seed heads few.

299845. Col. No. 30. Plot 828. Goha Hills, Kalahari. Plant stoloniferous; stolons few; stems coarse; leaves to 14 inches high.

299846. Col. No. 32. Plot 830. Banagi Plains, Kenya. Plant stoloniferous; stems fine; leaves to 12 inches high.

299847. Col. No. 49. Plot 439. Tsotsoroga Pan, Kalahari. Plant stoloniferous; stolons few; stems moderately coarse; leaves to 16 inches high.

299848. Col. No. 59. Plot 429. Zarchum Pan, Kalahari. Plant stoloniferous; stems fine; leaves to 16 inches high.

299849. Col. No. 62. Plot 805. Loliondo, Tanganyika. Plant stoloniferous; stems moderately coarse; leaves to 12 inches high.

299850. Col. No. 64. Plot 807. M'beya, Tanganyika. Plant stoloniferous; stems moderately coarse; leaves broad, to 6 inches high.

299851. Col. No. 73. Plot 816. Umbulumatsi, Mozambique. Plant stoloniferous; stems fine; leaves to 7 inches high.

299852. Col. No. 88. Plot 803. Gomoti River. Plant stoloniferous; leaves moderately coarse; leaves to 18 inches high.

299455 to 300194—Continued

299844 to 299890—Continued

299844 to 299879—Continued

299853. Col. No. 96. Plot 420. Kazungula, Chobi-Zambesi Rivers junction. Plant stoloniferous; stems fine; leaves to 14 inches high.
299854. Col. No. 123. Plot 765. Potchefstroom, Transvaal. Plant stoloniferous, forming thick sod; stems moderately coarse; leaves dark green, to 14 inches high; seed heads few.
299855. Col. No. 126. Plot 768. Plant stoloniferous; stems moderately coarse; leaves blue green, to 8 inches high.
299856. Col. No. 128. Plot 771. Hartjiesveld. Bunchgrass; stems coarse; leaves blue green, to 9 inches high.
299857. Col. No. 133. Plot 752. Zeerust. Plant stoloniferous; stems moderately coarse; leaves to 12 inches high.
299858. Col. No. 135. Plot 756. Malmaniesoog. Plant stoloniferous; stems moderately coarse; leaves to 6 inches high.
299859. Col. No. 136. Plot 757. Malmaniesoog. Plant stoloniferous; stems moderately coarse; leaves to 12 inches high.
299860. Col. No. 138. Plot 760. Stella, Cape Province. Plant stoloniferous; stems moderately coarse; leaves to 8 inches high, broad; seed heads few.
299861. Col. No. 142. Plot 736. Kerksdorp, Transvaal. Plant early maturing, stoloniferous; stems moderately coarse; leaves to 14 inches high.
299862. Col. No. 143. Plot 737. Mozambique. Plant stoloniferous; stems moderately coarse; leaves to 9 inches high; seed heads few.
299863. Col. No. 144. Plot 739. Du Toitskraal. Plant stoloniferous; stems fine; leaves to 9 inches high; seed heads few.
299864. Col. No. 153. Plot 712. Warmbaths, Transvaal. Plant stoloniferous; stems fine; leaves to 8 inches high.
299865. Col. No. 156. Plot 716. Settlers, Transvaal. Plant stoloniferous; stems moderately coarse; leaves to 8 inches high, light green.
299866. Col. No. 158. Plot 720. Schweizer Reneke, Transvaal. Plant stoloniferous, forms good ground cover; stems moderately coarse; leaves to 14 inches high.
299867. Col. No. 159. Middleburg, Transvaal. Plant stoloniferous; stems coarse; leaves to 10 inches high.
299868. Col. No. 166. Plot 679. Rust der Winter, Transvaal. Plants stoloniferous, forming good ground cover; stems fine; leaves to 10 inches high; seed heads few.
299869. Col. No. 168. Plot 683. Rust der Winter, Transvaal. Stoloniferous perennial; stems coarse; leaves light green, to 10 inches high; seed heads few.
299870. Col. No. 169. Plot 685. Rust der Winter, Transvaal. Plant stoloniferous; stems coarse; leaves light green, to 10 inches high; seed heads few.
299871. Col. No. 171. Plot 691. Ladysmith, Natal. Plant stoloniferous; forms good ground cover; stems moderately coarse; leaves to 6 inches high; seed heads few.
299872. Col. No. 172. Plot 692. Ladysmith, Natal. Plant stoloniferous; forms good ground cover; stems moderately coarse; leaves light green, to 8 inches high; seeds few.
299873. Col. No. 183. Plot 639. Rustenberg Research Station, Transvaal. Bunchgrass; stems coarse; leaves to 8 inches high; seed heads few.

299455 to 300194—Continued

299844 to 299890—Continued

299844 to 299879—Continued

299874. Col. No. 188. Plot 623. Sabie, Transvaal. Plant stoloniferous; stems coarse; leaves to 10 inches high.
299875. Col. No. 191. Plot 631. Weenan, Natal. Plant stoloniferous, leafy; leaves dark green, to 16 inches high.
299876. Col. No. 195. Plot 620. Nata River, Bechuanaland. Plant stoloniferous; stems coarse; leaves broad, to 18 inches high.
299877. Col. No. 198. Plot 598. Brits District, junction of Krugs and Crocodile Rivers. Plant stoloniferous; stems fine; leaves light green to 6 inches high; seed heads few.
299878. Col. No. 220. Plot 559. Witbank, Gen-Hertzog's Farm. Plant stoloniferous; stems coarse; leaves broad, light green, to 8 inches high; seed heads few.
299879. Col. No. 225. Plot 511. Government House, Pretoria. Plant stoloniferous; stems moderately coarse; leaves to 8 inches high; seed heads few.
299880. Col. No. 249. Local name: Large fingergrass. Gravelly grassland, Plat River Plain, 50 miles north of Pretoria, Highway N-1. Elevation 4,265 feet. Plant stoloniferous; stolons few; leaves to 12 inches high; heads to 48 inches high. Stolons.
299881. Col. No. 250. Seeds of P.I. 299880.
299882. Col. No. 331. Local name: Large fingergrass. Hard red clay loam grassland, 1 mile north of Highway N-4, Malelane, Crocodile River valley, Transvaal. Elevation 1,300 feet. Annual rainfall 20 inches. Stoloniferous perennial; leaves to 10 inches high. Seeds.
299883. Col. No. 336. Naphe Road, Kruger National Park. Elevation 1,100 feet. Annual rainfall 22 inches. Stoloniferous perennial; stems fine; heads to 36 inches high. Stolons.
299884. Col. No. 369. Local name: Large fingergrass, sandy grassland 10 miles northwest of Estcourt, Natal. Elevation 3,300 feet. Annual rainfall 22 inches. Minimum winter temperature 28F. Stoloniferous perennial; stolons few; leaves light green, to 8 inches high. Stolons.
299885. Col. No. 456. Local name: Large fingergrass. Sandy grassland, Pongola River bank, Pongolapoort, Natal. Elevation 400 feet; annual rainfall 26 inches. Robust stoloniferous perennial; stems moderately coarse; leaves soft. Stolons.
299886. Col. No. 475. Local name: Large fingergrass. Weed in cultivated field 1 mile southwest of Mkuze, Natal. Elevation 500 feet. Annual rainfall 21 inches. Stoloniferous perennial, forming large clumps; stems large, glabrous, hirsute at nodes; leaves to 14 inches high. Seeds.
299887. Col. No. 480. Local name: Large fingergrass. Clay loam soil, open grazed land, Umfolozi Game Reserve, Natal. Elevation 700 feet. Annual rainfall 30 inches. Stoloniferous perennial; leaves to 8 inches high. Stolons.
299888. Col. No. 561. Local name: Large fingergrass. Orchard weed, 15 miles north of Barkley West, Cape Province. Aggressive stoloniferous perennial; stolons long; stems moderately coarse; leaves to 12 inches high. Stolons.
299889. Col. No. 642. Local name: Large fingergrass. Bathurst Research Station, Bathurst, Cape Province. Stoloniferous perennial; leaves to 8 inches high; heads to 36 inches high; heavy seeder. Stolons.
299890. Col. No. 643. Seeds of P.I. No. 299889.

299455 to 300194—Continued

299891. DIGITARIA sp.

Col. No. 63. Rietondale Research Station, Pretoria. Plot 806. Loliondo, Tanganyika. Plant stoloniferous; stems fine; leaves hairy, to 14 inches high. Stolons.

299892. DIGITARIA sp.

Col. No. 74. Rietondale Research Station, Pretoria. Plot 817. Zomba Plateau, Nyasaland. Plant stoloniferous; stolons few; stems coarse; leaves broad, to 10 inches high. Stolons.

299893. DIGITARIA sp.

Col. No. 146. Rietondale Research Station, Pretoria. Plot 745. Vryburg. Bunchgrass; stems fine; leaves to 7 inches high. Stolons.

299894. DIGITARIA DECUMBENS Stent**Pangolagrass.**

Col. No. 179. Rietondale Research Station, Pretoria. Plot 655. Weenan, Natal. Stems moderately coarse; seed heads few. Stolons.

299895. DOLICHOS GIBBOSUS Thunb. Leguminosae.

Col. No. 661. Stutterheim Agricultural Research Station, Stutterheim, Cape Province. Seeds.

299896. DOLICHOS TAUBERTII E. G. Baker

Col. No. 442. Sandy grassland, Hluhluwe Game Reserve, Natal. Elevation 850 feet. Annual rainfall 35 inches. Prostrate vine; leaves trifoliate; flowers small, pink; pods flat, 2 inches long. Seeds.

299897. ECHINOCHLOA HOLUBII (Stapf) Stapf Gramineae.

Col. No. 529. In streambed, heavy clay mud, Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Palatable perennial bunchgrass; leaves to 24 inches high; heads to 36 inches high. Seeds.

299898. EHRHARTA CALYCINA J. E. Smith. Gramineae.**Perennial veldtgrass.**

Col. No. 586. Commercial seeds Grootfontein Agricultural College, Middelburg, Cape Province. Seeds.

299899. EHRHARTA ERECTA Lam. Gramineae.

Col. No. 307. Rocky cliffs below waterfalls, Lone Creek Falls, 4 miles east of Sabie, Transvaal. Elevation 5,600 feet. Prostrate perennial, rooting at lower nodes; stems slender, weak; foliage sparse. Seeds.

299900 to 299904. ENNEAPOGON CENCHROIDES (Licht.) C. E. Hubb. Gramineae.

299900. Col. No. 251. Local name: Sourgrass. Gravelly grassland, Plat River plain, 50 miles north of Pretoria, Highway N-1. Elevation 4,265 feet. Erect annual or short lived perennial bunchgrass; leaves to 24 inches high. Seeds.

299901. Col. No. 264. Local name: Sourgrass. Disturbed clay grassland, bank of Diep River, 20 miles north of Pietersburg, Transvaal, Highway N-1. Elevation 4,000 feet. Annual rainfall 23 inches. Erect annual or short-lived perennial bunchgrass; leaves few, to 14 inches high; spikes pointed. Seeds.

299902. Col. No. 265. Local name: Sourgrass. Disturbed clay grassland, bank of Diep River, 20 miles north of Pietersburg, Transvaal, Highway N-1. Elevation 4,000 feet. Annual rainfall 23 inches. Erect annual or short-lived perennial bunchgrass; leaves few, to 14 inches high. Seeds.

299903. Col. No. 297. Undisturbed rocky clay, 10 miles south of Mica, Olifants River valley, Transvaal. Elevation 2,350 feet. Annual bunchgrass; basal leaves few; leaves to 4 inches high; heads to 18 inches high; spikes pointed; seeds profuse. Seeds.

299455 to 300194—Continued

299900 to 299904—Continued

299904. Col. No. 327. Local name: Sourgrass. Sandy wasteland near 1,300 feet. Annual rainfall 20 inches. Erect annual or short-lived perennial bunchgrass; leaves to 14 inches high. Seeds.

299905. ENTEROPOGON SIMPLEX (Schum. & Thorn.) A. Chev Gramineae.

Col. No. 359. Shallow rocky clay, grassland, Hippo Pool Road, Kruger National Park. Elevation 1,000 feet. Annual rainfall 21 inches. Leafy perennial bunchgrass; clumps to 24 inches diameter; leaves to 15 inches high, foliage green under dry conditions. Seeds.

299906. ERAGROSTIS ATHERSTONEI Stapf Gramineae.

Col. No. 246. Clay loam grassland bank of Apies River, 22 miles north of Pretoria, Highway N-1. Elevation 3,500 feet. Erect perennial bunchgrass. Seeds.

299907. ERAGROSTIS BICOLOR Nees Gramineae.

Col. No. 551. Clay soil, grazed pasture, 3 miles east of Dealesville, Orange Free State, Highway N-8. Elevation 4,200 feet. Annual rainfall 17 inches. Rhizomatous perennial bunchgrass, forming small clumps; leaves to 3 inches high. Seeds.

299908 and 299909. ERAGROSTIS CAPENSIS (Thunb.) Trin. Gramineae.

299908. Col. No. 431. Rocky soil, Kranskop-Stanger Road, Hard Table Mountain, Natal. Elevation 3,100 feet. Annual rainfall 35 inches. Perennial bunchgrass; leaves to 12 inches high; heads to 36 inches high. Seeds.

299909. Col. No. 681. Disturbed clay loam 3 miles west of Keurbooms River, Cape Province, Highway N-2. Perennial bunchgrass; leaves to 8 inches high; heads to 18 inches high. Seeds.

299910 and 299911. ERAGROSTIS CHLOROMELAS Steud. **Boer lovegrass.**

299910. Col. No. 417. Hard dry sand grassland, 6 miles north of Muden, Mooi River valley, Natal. Elevation 2,800 feet. Annual rainfall 20 inches. Perennial bunchgrass forming 12-inch clumps; leaves to 6 inches high; heads to 24 inches high; seeds profusely. Seeds.

299911. Col. No. 505. Grazed mountain plateau, 7 miles south of Har-rismith, Orange Free State. Elevation 5,500 feet. Annual rainfall 35 inches. Perennial bunchgrass; leaves to 5 inches high. Seeds.

299912. ERAGROSTIS CILIANENSIS (All.) Lutati

Col. No. 421. Rocky overgrazed pasture, 10 miles west of Weenan, Natal. Elevation 2,000 feet. Annual rainfall 21 inches. Annual bunchgrass; heads to 6 inches high. A common weed. Seeds.

299913 to 299927. ERAGROSTIS CURVULA (Schrud.) Nees

Weeping lovegrass.

299913. Col. No. 300. Rocky grassland, Long Tom Pass, 8 miles east of Lydenburg, Transvaal. Elevation 6,700 feet. Perennial bunchgrass; leaves to 16 inches high. Seeds.

299914. Col. No. 382. 'Kromdraai'. Estcourt Research Farm, Estcourt, Natal. Elevation 3,800 feet. Annual rainfall 29 inches. Perennial bunchgrass. Seeds.

299915. Col. No. 420. Hard, rocky disturbed wasteland, 10 miles east of Weenan, Natal. Elevation 2,800 feet. Annual rainfall 21 inches. Perennial bunchgrass; clumps to 12 inches in diameter; leaves to 10 inches high; heads to 24 inches high. Seeds.

299916. Col. No. 429. Sandy clay road ditch, Kranskop Road, 8 miles east of Greytown, Natal. Elevation 3,400 feet. Large, vigorous perennial bunchgrass; clumps to 18 inches diameter; heads to 36 inches high. Seeds.

299455 to 300194—Continued**299913 to 299927—Continued**

- 299917.** Col. No. 498. Grown under irrigation on Van Dillon Farm, Harrismith, Orange Free State. Erect perennial bunchgrass; leaves to 14 inches high; seeds abundant. Seeds.
- 299918.** Col. No. 504. Grazed rocky clay loam plateau, 7 miles south of Harrismith, Orange Free State. Elevation 5,500 feet. Annual rainfall 35 inches. Perennial bunchgrass; clumps large; leaves to 12 inches high. Seeds.
- 299919.** Col. No. 525. Heavy clay soil, Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Perennial bunchgrass; seeds profusely. Seeds.
- 299920.** Col. No. 531. Sandy Modder River bank, Glen Agricultural College, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Robust perennial bunchgrass; clumps large; leaves to 18 inches high; heads to 36 inches high. Seeds.
- 299921.** Col. No. 534. Glen Agricultural College, Glen, Orange Free State. Seeds.
- 299922.** Col. No. 572. Grazed pasture, 6 miles north of Middelburg, Cape Province, Highway N-1. Elevation 4,300 feet. Annual rainfall 13 inches. Perennial bunchgrass; leaves to 8 inches high; heads to 24 inches high. Seeds.
- 299923.** Col. No. 669. Disturbed rocky clay, 10 miles southeast of Uitenhage, Cape Province, Port Elizabeth Road. Annual rainfall 15 inches. Perennial bunchgrass; leaves to 15 inches high; heads to 24 inches high. Seeds.
- 299924.** Col. No. 672. Disturbed roadside, 10 miles northeast of Port Elizabeth, Cape Province. Elevation 200 feet. Annual rainfall 17 inches. Vigorous, leafy, perennial bunchgrass; leaves to 14 inches high; heads to 36 inches high. Seeds.
- 299925.** Col. No. 677. Sandy loam wasteground, Port Elizabeth, Cape Province. Perennial bunchgrass; clumps large; leaves to 30 inches high; heads to 38 inches high. Seeds.
- 299926.** Col. No. 689. Mosselbaai, Cape Province, wasteground. Elevation 200 feet. Annual rainfall 17 inches. Leafy perennial bunchgrass; leaves broad, to 15 inches high; heads to 30 inches high. Seeds.
- 299927.** Col. No. 726. Rocky clay, Kirstenbosch. Botanic Gardens, Newlands, Cape Province. Perennial bunchgrass; leaves to 12 inches high; heads to 30 inches high. Seeds.

299928 to 299930. ERAGROSTIS CURVULA var. CONFERTA Nees

- 299928.** Col. No. 569. Disturbed, sandy loam rangeland 5 miles north of Middelburg, Cape Province, Highway N-1. Elevation 4,300 feet. Annual rainfall 13 inches. Perennial bunchgrass; clumps small; heads to 24 inches high. Seeds.
- 299929.** Col. No. 585. Grootfontein Agricultural College, Middelburg, Cape Province. Seeds.
- 299930.** Col. No. 607. Rocky, shallow soil, rangeland, 24 miles southeast of Jasenville, Cape Province. Elevation 1,600 feet. Annual rainfall 8 inches. Perennial bunchgrass; leaves to 12 inches high; heads to 24 inches high. Seeds.

299931. ERAGROSTIS GUMMIFLUA Nees

- Col. No. 357. Shallow, sandy, rocky soil, sparsely covered scrub timber land, Hippo Pool Road, Kruger National Park. Elevation 1,100 feet. Annual rainfall 21 inches. Perennial bunchgrass; stems wiry; leaves to 6 inches high; heads to 18 inches high. Seeds.

299455 to 300194—Continued

299932. ERAGROSTIS HETEROMERA Stapf

Col. No. 464. Disturbed rock soil 8 miles northeast of Mkuze, Jozini Dam Road, Natal. Elevation 800 feet. Wiry perennial bunchgrass; leaves to 12 inches high; heads to 24 inches high. Seeds.

299933 and 299934. ERAGROSTIS HORIZONTALIS Peter

299933. Col. No. 272. Disturbed roadside 23 miles north of Louis Trichardt. Elevation 2,000 feet. Annual rainfall 18 inches. Weak perennial bunchgrass. Seeds.

299934. Col. No. 341. Hard sandy firebreak, Naphe Road, Kruger National Park. Elevation 1,100 feet. Annual rainfall 20 inches. Weak perennial; foliage sparse; leaves to 6 inches high; seeds profusely. Seeds.

299935 to 299942. ERAGROSTIS LEHMANNIANA Nees Lehmann lovegrass.

299935. Col. No. 275. Local name: Eastern Province Vleigrass. Shallow, rocky, overgrazed pasture, Mutale River flood plain, 24 miles north of Louis Trichardt, Transvaal. Elevation 2,100 feet. Annual rainfall 16 inches. Perennial bunchgrass; leaves to 16 inches high. Seeds.

299936. Col. No. 537. Glen Agricultural College, Glen, Orange Free State. Perennial bunchgrass. Seeds.

299937. Col. No. 546. Weed in orchard, Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet. Annual rainfall 20 inches. Perennial bunchgrass; leaves to 6 inches high; heavy seeder. Seeds.

299938. Col. No. 548. Disturbed loamy sand, grassland 10 miles northwest of Bloemfontein, Orange Free State, Highway N-8. Elevation 4,200 feet. Annual rainfall 19 inches. Perennial bunchgrass; leaves to 6 inches high; heavy seeder. Seeds.

299939. Col. No. 565. Disturbed roadside 12 miles east of Modder River Station, Orange Free State. Elevation 4,000 feet. Annual rainfall 16 inches. Perennial bunchgrass; clumps small; leaves to 4 inches high. Seeds.

299940. Col. No. 574. Shallow sandy loam rangeland 3 miles northeast of Middelburg, Cape Province. Elevation 4,300 feet. Annual rainfall 13 inches. Perennial bunchgrass; leaves to 6 inches high; heads to 12 inches high; good seeder. Seeds.

299941. Col. No. 602. Pasture 10 miles south of Groof-Reinet, Cape Province on Pearston Road. Elevation 2,000 feet. Annual rainfall 12 inches. Perennial bunchgrass; heads to 20 inches high; heavy seeder. Seeds.

299942. Col. No. 604. Disturbed roadside 12 miles southeast of Jasonville, Cape Province on Pearston Road. Elevation 1,600 feet. Annual rainfall 8 inches. Perennial bunchgrass; leaves to 6 inches high. Seeds.

299943. ERAGROSTIS CURVULA (Schrad.) Nees Weeping lovegrass.

Col. No. 641. Clay soil, Bathurst Agricultural Research Station, Bathurst, Cape Province. Plot 24. Vaalbank, Transvaal. Elevation 850 feet. Annual rainfall 27 inches. Leafy perennial bunchgrass; leaves to 20 inches high; heads to 36 inches high. Seeds.

299944 to 299948. ERAGROSTIS OBTUSA Munro ex Fic. et Hiern.

299944. Col. No. 535. Glen Agricultural College, Glen, Orange Free State. Perennial bunchgrass adapted to dry loam. Seeds.

299945. Col. No. 559. Weed, edge of irrigated field, 2 miles north of Barkley West, Cape Province. Elevation 4,000 feet. Annual rainfall 15 inches. Perennial bunchgrass; leaves to 6 inches high; heavy seeder. Seeds.

299455 to 300194—Continued

299944 to 299948—Continued

299946. Col. No. 573. Ungrazed pasture, clay loam soil, 2 miles north-east of Middelburg, Cape Province. Elevation 4,300 feet. Annual rainfall 13 inches. Perennial bunchgrass; leaves to 3 inches high; heads to 9 inches high. Seeds.

299947. Col. No. 603. Disturbed roadside 12 miles southeast of Jansenville, Cape Province on Pearston Road. Elevation 1,600 feet. Annual rainfall 8 inches. Perennial bunchgrass; leaves to 6 inches high; heads to 10 inches high. Seeds.

299948. Col. No. 671. Sandy clay pasture, Swartskops River bank, Port Elizabeth-Uitenhage Road, Cape Province. Perennial bunchgrass; clumps small; leaves to 4 inches high; heads to 8 inches high. Seeds.

299949. *ERAGROSTIS PATENTISSIMA* Hack.

Col. No. 508. Shallow, rocky clay loam pasture, Jim Shannon farm, 21 miles southwest of Harrismith, Orange Free State. Elevation 6,000 feet. Annual rainfall 32 inches. Rhizomatous perennial bunchgrass; leaves to 8 inches high. Seeds.

299950. *ERAGROSTIS RACEMOSA* (Thunb.) Steud.

Col. No. 506. Clay loam pasture, Jim Shannon farm, 21 miles southwest of Harrismith, Orange Free State. Elevation 6,000 feet. Annual rainfall 32 inches. Perennial bunchgrass; leaves to 3 inches high. Seeds.

299951 to 299961. *ERAGROSTIS SUPERBA* Peyr.

299951. Col. No. 247. Local name: Heartseed grass. Rocky, gravelly grassland 10 miles north of Pretoria, Highway N-1. Elevation 4,466 feet. Erect perennial bunchgrass. Seeds.

299952. Col. No. 344. Local name: Heartseed grass. Sandy soil, scrub timber, Loop Road, Kruger National Park. Elevation 1,050 feet. Annual rainfall 21 inches. Perennial bunchgrass; basal leaves few; heads to 15 inches high. Seeds.

299953. Col. No. 370. Sandy soil, Onverwacht, 7 miles northwest of Estcourt, Natal. Elevation 3,300 feet. Annual rainfall 22 inches. Perennial bunchgrass; clumps small; leaves to 20 inches high. Seeds.

299954. Col. No. 422. Disturbed rocky roadside 10 miles west of Weenan, Natal. Elevation 2,000 feet. Annual rainfall 21 inches. Perennial bunchgrass to 15 inches high. Seeds.

299955. Col. No. 460. Disturbed sandy clay, Pongola River bank, Highway N-14, Natal. Elevation 500 feet. Annual rainfall 24 inches. Perennial bunchgrass; leaves to 12 inches high; heavy seeder. Seeds.

299956. Col. No. 467. Shallow, rocky clay, Pongola weather station Tobotini, Natal. Elevation 400 feet. Annual rainfall 21 inches. Clumps small; leaves to 10 inches high. Seeds.

299957. Col. No. 481. Clay loam grassland, Umfolozi Game Reserve, Natal. Perennial bunchgrass; leaves to 10 inches high; heavy seeder. Seeds.

299958. Col. No. 482. Sandy clay loam brushland, Umfolozi Game Reserve, Natal. Elevation 600 feet. Annual rainfall 30 inches. Perennial bunchgrass; leaves to 6 inches high. Seeds.

299959. Col. No. 540. Glen Agricultural College, Glen, Orange Free State. Perennial bunchgrass. Seeds.

299960. Col. No. 550. Disturbed sandy roadside, Highway N-8, 15 miles northwest of Bloemfontein. Elevation 4,200 feet. Annual rainfall 19 inches. Perennial bunchgrass; leaves to 8 inches high. Seeds.

299455 to 300194—Continued**299951 to 299961—Continued**

299961. Col. No. 560. Weed in irrigated orchard, 15 miles north of Barkley West, Vaal River. Elevation 4,000 feet. Annual rainfall 15 inches. Perennial bunchgrass; leaves to 12 inches high; heavy seeder. Seeds.

299962. ERAGROSTIS TRUNCATA Hack.

Col. No. 566. Disturbed roadside, 2 miles west of Jacobsdal, Transvaal. Elevation 4,000 feet. Annual rainfall 16 inches. Prostrate. Rhizomatous perennial forming dense mat. Seeds.

299963. ERAGROSTIS sp.

Col. No. 454. Clay soil, between Highway N-14 and Pongola River, entrance to Pongolapoort, Natal, 12 miles northeast of Mkuze. Elevation 500 feet. Annual rainfall 21 inches. Perennial bunchgrass; leaves to 12 inches high; heavy seeder. May be a new species. Seeds.

299964. ERYTHRINA HUMEANA Spreng. Leguminosae.

Col. No. 322. Local name: Summer flowering leafferbroom. Disturbed site along highway in open grassland 1 mile southeast of Louws Creek, Transvaal. Elevation 2,900 feet, rolling terrain. Woody shrub 3 feet high with short thorns; dark green leaves; axillary inflorescence. Seeds light red; of ornamental value. Seeds.

299965. EULALIA VILLOSA (Thunb.) Nees Gramineae.

Col. No. 430. (D. Edwards 3241). Eastern slope of Hard Table Mountain on Kranskop-Stanger Road. Elevation 3,100 feet, mountainous terrain; annual rainfall 35 inches. Erect perennial; head height 48 inches. Seeds.

299966. EUSTACHYS PASPALOIDES (Vahl) Lanza & Mattei Gramineae.

Col. No. 553. Rangeland, 20 miles east of Kimberley, Highway N-8; elevation 4,000 feet, level terrain; annual rainfall 16 inches. Stoloniferous perennial with short stolons; leaf height 8 inches. Seeds.

299967. FINGERHUTHIA AFRICANA Lehm. Gramineae.

Col. No. 594. Open grassland, 5 miles north of Cradock. Elevation 2,400 feet, hilly terrain; annual rainfall 12 inches. Shallow rocky soil, disturbed site. Perennial bunchgrass; leaf height 12 inches; head height 20 inches; very leafy. Seeds.

299968 to 299970. FINGERHUTHIA SESLERIAEFORMIS Nees

299968. Col. No. 413. Middlerest, 20 miles east of Estcourt. Elevation 3,500 feet, hilly terrain; annual rainfall 30 inches; not frostfree. Plants deeply embedded in moist sand in streambed. Stems rooting in the sand; height 8 inches; small yellow blossoms $\frac{1}{4}$ inch diameter. Seeds.

299969. Col. No. 512. Ungrazed pasture along dry stream, 27 miles southwest of Harrismith. Elevation 5,600 feet, mountainous terrain; annual rainfall 35 inches. Perennial bunchgrass; leaf height 8 inches; head height 36 inches. Plants grow in clumps; cold tolerant and palatable. Seeds.

299970. Col. No. 600. Dry stream bank, 24 miles southwest of Cradock. Elevation 4,000 feet, mountainous terrain; annual rainfall 17 inches. Perennial bunchgrass forming large clumps; leaf height 15 inches; head height 30 inches. Seeds.

299971 and 299972. GLADIOLUS ALATUS L. Iridaceae.

299971. Col. No. 704. Presented by Caledon Wild Flower Garden, Caledon, Cape Province. Red flowers. Seeds.

299972. Col. No. 727. Presented by Kirstenbosch Botanic Gardens, Newlands, Cape Province. Cultivated ornamental. Seeds.

299455 to 300194—Continued**299973 to 299975. GLADIOLUS BLANDUS Ait.**

299973. Col. No. 702. Presented by Caledon Wild Flower Garden, Caledon, Cape Province. Ornamental, pink flowers. Seeds.

299974. Col. No. 724. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental. Seeds.

299975. Col. No. 728. Presented by Kirstenbosch Botanic Garden, Newlands, Cape Province. Cultivated ornamental. Seeds.

299976. GLADIOLUS BREVIFOLIUS Jacq.

Col. No. 729. Presented by Kirstenbosch Botanic Garden, Newlands, Cape Province. Cultivated ornamental. Seeds.

299977. GLADIOLUS CARMINEUS C. H. Wright

Col. No. 730. Presented by Kirstenbosch Botanic Garden, Newlands, Cape Province. Cultivated ornamental. Seeds.

299978. GLADIOLUS GRACILIS Jacq.

Col. No. 700. Presented by Caledon Wild Flower Garden, Caledon, Cape Province. Ornamental, greenish-yellow flowers. Endemic to Caledon District. Seeds.

299979. GLADIOLUS GRANDIS Thunb.

Col. No. 705. Presented by Caledon Wild Flower Garden, Caledon, Cape Province. Greenish-grey flowers. Seeds.

299980. GLADIOLUS MORTONIUS Herb.

Col. No. 701. Presented by Caledon Wild Flower Garden, Caledon, Cape Province. Ex Mosselbaai, Cape Province. Seeds.

299981 and 299982. GLADIOLUS PSITTACINUS Hook.

299981. Col. No. 707. Presented by Mr. H. F. Wood, Hermanus, Cape Province. Cultivated ornamental, red flowers. Seeds.

299982. Col. No. 731. Presented by Kirstenbosch Botanic Garden, Newlands, Cape Province. Cultivated ornamental. Seeds.

299983 to 299985. GLADIOLUS TRISTIS L.

299983. Col. No. 208. Cultivated ornamental; aromatic flowers with lemon odor. Corms.

299984. Col. No. 703. Presented by Caledon Wild Flower Garden, Caledon, Cape Province. Creamy white flowers. Seeds.

299985. Col. No. 721. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental. Seeds.

299986 and 299987. GLYCINE JAVANICA L. Leguminosae.

299986. Col. No. 403. Commercial seed obtained from Estcourt Research Farm, Estcourt.

299987. Col. No. 514. Commercial seed donated by S. R. Gasson, Marquard, Orange Free State.

299988 and 299989. GOSSYPIUM HERBACEUM var. AFRICANUM (Watt) Hutch & Ghose Malvaceae.

299988. Col. No. 274. Local name: Wild cotton. Plants on disturbed soil in edge of thicket along roadside, 24 miles north of Louis Trichardt, Elevation 2,100 feet, level terrain; annual rainfall 16 inches. Seeds.

299989. Col. No. 335. Local name: Wild cotton. Waste grounds in Komatipoort on reddish clay loam. Elevation 1,000 feet, Komati River Plain. Plant 6 feet high; single stem with profuse branching; small bolls. Seeds.

299455 to 300194—Continued

299990. *HAEMANTHUS COCCINEUS* L. Amaryllidaceae. **Scarlet bloodlily.**

Col. No. 723. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Local name: Cape tulip. Cultivated ornamental. Seeds.

299991 and 299992. *HELIANTHUS ANNUUS* L. Compositae. **Sunflower.**

299991. Col. No. 447. Cultivated field, Mkuze River valley; level terrain; black loam. Plants 5 feet high; seed head 9 inches in diameter; black seeds. Seeds.

299992. Col. No. 513. Cultivated field in mist belt, 15 miles east of Bethlehem on Clarens Road. Elevation 5,500 feet mountain plateau. Plants 4–6 feet; seed heads 6–10 inches in diameter; black seeds. Seeds.

299993 and 299995. *HEMARTHRIA ALTISSIMA* (Poir) Stapf & C. E. Hubb
Gramineae.

299993. Col. No. 230. Plot 136. Eastern Transvaal. Plant stoloniferous; medium coarse reddish stems; leaf height 20 inches. Plants adapted to sandy soils; useful in sand dune stabilization. Stolons.

299994. Col. No. 231. Plot 138. Pienaars River, Transvaal. Plant stoloniferous; medium coarse stems; leaf height 17 inches. Green foliage; plants used in sand dune stabilization. Stolons.

299995. Col. No. 232. Plot 135. Plant stoloniferous; coarse stems. Plants used in sand dune stabilization. Stolons.

299996 and 299997. *HIBISCUS DONGOLENSIS* Del. Malvaceae.

299996. Col. No. 268. Rocky disturbed site near roadside, 10 miles north of Louis Trichardt, Highway N-1. Elevation 4,150 feet, very rough, steep, rocky terrain; annual rainfall approximately 23 inches. Erect plants 2 feet high; petals yellow with purple blotch at base, not a distinct petal spot. Capsules including bracts collected.

299997. Col. No. 453. (D. Edwards 3259). Pongola River plain, 10 miles north of Mkuze. Elevation 500 feet; annual rainfall 22 inches; reddish clay loam. Erect plants 24 inches high with many capsules. Petals, yellow with medium size petal spot at base; orange pollen; one row of sepals; one row of bracts. Seeds.

299998. *HIBISCUS ENGLERI* K. Schum.

Col. No. 311. Rocky outcrop on Nel River, 4 miles north of Nelspruit. Plants growing in full sun. Elevation 3,150 feet, hilly terrain. Plants 4–5 feet high with few basal branches; yellow petals with dark purple petal spot. Capsules $\frac{1}{2}$ inch in diameter. Capsules including bracts collected.

299999. *HIBISCUS PLATYCALYX* Mast.

Col. No. 269. Shallow, rocky disturbed soil, 10 miles north of Louis Trichardt, Highway N-1. Elevation 4,150 feet, very hilly, rocky terrain. Plants in light shade on rocky slope. Erect plants 3 feet high; dark green leaves; distinct purple petal spot at base of yellow petals. Capsules including bracts collected.

300000. *HIBISCUS VITIFOLIUS* subsp. *VULGARIS* Brennan & Exell.

Col. No. 350. Open grassland on Loop Road, Kruger National Park. Elevation 1,000 feet rolling terrain; annual rainfall 21 inches. Plants growing in shallow granite grey soil. Plant 60 inches high with few branches. Flowers light yellow, with deep purple basal spot. Seeds.

300001. *HIBISCUS* sp.

Col. No. 259. Clay soil, open grassland, 49 miles south of Pietersburg, Highway N-1. Nyl River plain, level terrain. Elevation 4,800 feet. Shrub 6 feet high. Capsules including bracts collected.

299455 to 300194—Continued

300002. HIBISCUS sp.

Col. No. 270. Disturbed rocky cliff, 10 miles north of Louis Trichardt, Highway N-1. Elevation 4,150 feet, rocky steep terrain. Plants 24 inches high. No blossoms available. Capsules including bracts collected.

300003. INDIGOFERA CRYPTANTHA Benth. Leguminosae.

Col. No. 248. Rocky, gravelly soil, open grassland, 10 miles north of Pretoria, Highway N-1. Elevation 4,466 feet. Shrub 18 inches high. Seed pods curve upward from stem; 5-7 seeded, constructed between seeds. Seeds.

300004. INDIGOFERA SCHIMPERI Jaub. & Spach. Leguminosae.

Col. No. 463. (D. Edwards 3268). Jozini Dam Road, 8 miles northeast of Mkuze. Disturbed rocky hillside. Elevation 800 feet, hilly terrain. Erect plant 16 inches high; blue flowers; terete seed pods 1 inch long almost perpendicular to raceme. Seeds.

300005. INDIGOFERA STRICTA L. f.

Col. No. 623. Disturbed roadbank, 11 miles northwest of East London. Elevation 500 feet, hilly terrain; annual rainfall 30 inches. Woody shrub 20 inches high. Plants spreading with fine branches near top; terete seed-pods $\frac{3}{4}$ inch long. Seeds.

300006. INDIGOFERA TINCTORIA L.

Col. No. 349. cf. *I. suffruticosa* Mill. Disturbed site, water hole, on Loop Road, Kruger National Park. Elevation 1,050 feet, level terrain, annual rainfall 21 inches. Plants growing in large clumps on hard packed sandy clay in full sun. Erect woody perennial 20 inches high, branching near crown. Compound leaves with five pairs of leaflets and one single. Small moonshaped pods curve upward, about 1 inch long. Seeds.

300007. INDIGOFERA cf. RHYTIDOCARPA Benth. ex Harv.

Col. No. 373. Onverwacht, seven miles northwest of Estcourt. Open grassland, sandy soil. Elevation 3,300 feet, rolling terrain; annual rainfall 22 inches. Prostrate, crown spread 30 inches; height 10 inches. Plants variable in height. Seeds.

300008. IPOMOEA PELLITA Hallier f. Convolvulaceae.

Col. No. 510. Jim Shannon farm, 21 miles southwest of Harrismith. Rocky mountainside; elevation 6,000 feet; annual rainfall 32 inches. Grazed pasture, southern exposure. Vine, 10 feet long; simple leaves with long petioles. Seeds.

300009. LESPEDEZA CUNEATA (Dum.-Cours.) G. Don Leguminosae.

Chinese bushclover.

Col. No. 406. Commercial seed obtained from Estcourt Research Farm, Estcourt.

300010 and 300011. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Leguminosae. Leadtree.

300010. Col. No. 432. Caribbean name: Tan-Tan; Hawaiian name: Koa-Haole. Open grassland, 3 miles north of Stanger on east side of Highway N-14. Elevation 485 feet, hilly terrain. Woody shrub, 5 feet high; heavy seeder. Seeds.

300011. Col. No. 674. Leadtree, continental U.S.; Tan-Tan, Caribbean; Kao-Haole, Hawaii. City park in Humewood suburb of Port Elizabeth. Plants growing in sandy soil in wooded area. Perennial; 7 feet high; seed pods borne in clusters; pods 7 inches long, $\frac{1}{2}$ to $\frac{3}{4}$ inch wide, flat and septate. Seeds.

300012. LEUCOSPERMUM NUTANS R. Br. Proteaceae.

Col. No. 725. Local name: Pin cushion. Presented by Mr. H. F. Wood, Hermanns. Cultivated ornamental. Seeds.

299455 to 300194—Continued

300013. LINTONIA NUTANS Stapf Gramineae.

Col. No. 455. (D. Edwards 3262). Entrance to Pongolapoort, near Pongola River. Elevation 500 feet; annual rainfall 21 inches. Stoloniferous perennial; leaf height 12 inches; head height 24 inches. Seeds.

300014. LOTUS CORNICULATUS L. Leguminosae. **Birdsfoot trefoil.**

Col. No. 399. Commercial seed obtained from Estcourt Research Farm, Estcourt.

300015 and 300016. LOTUS MAJOR Scop.

300015. Col. No. 398. Commercial seed obtained from Estcourt Research Farm, Estcourt.

300016. Col. No. 515. Local name: Marsh trefoil. Commercial seed donated by S. R. Gasson, Marquard.

300017. LOUDETIA SIMPLEX (Nees) C. E. Hubb. Gramineae.

Col. No. 315. Local name: Russetgrass. Rocky outcrop along stream, 1 mile east of Sabie. Elevation 4,900 feet, hilly terrain. Perennial bunchgrass; leaf height 8 inches; wiry, narrow leaves; paniculate inflorescence. Seeds.

300018. LONICERA sp. Caprifoliaceae.

Col. No. 618. Local name: Yellow honeysuckle. Grounds of City Hall, East London. Semi-erect shrub; yellowish-green leaves. Blossoms in clusters, yellow; 2-3 inches long. Plants cultivated as hedge. Cuttings.

300019 and 300020. LUPINUS ALBUS L. Leguminosae. **White lupine.**

300019. Col. No. 649. Seed donated by Chicory Control Board, Alexandria, Cape Province. Seeds.

300020. Col. No. 660. Local name: Sweet white lupine.

300021 to 300023. LUPINUS ANGUSTIFOLIUS L. **Bitter blue lupine.**

300021. Col. No. 402. Bitter type. Commercial seed obtained from Estcourt Research Farm, Estcourt. Seeds.

300022. Col. No. 651. Seed donated by Chicory Control Board, Alexandria, Cape Province. Seeds.

300023. Col. No. 659. Local name: Sweet type. Seeds.

300024. LUPINUS sp.

Col. No. 650. Seed donated by Chicory Control Board, Alexandria, Cape Province. Seeds.

300025. MEDICAGO POLYMORPHA var. **VULGARIS** (Benth.) Shinnars Leguminosae. **California burclover.**

Col. No. 405. Commercial seed obtained from Estcourt Research Farm, Estcourt. Seeds.

300026. MELICA RACEMOSA Thunb. Gramineae.

Col. No. 648. Disturbed site along road, 5 miles south of Port Alfred. Elevation 250 feet, hilly terrain; annual rainfall 27 inches. Plants in mixed grass stand on shallow rocky soil overlying dolerite. Seeds.

300027 and 300028. MICROCHLOA CAFFRA Nees Gramineae.

300027. Col. No. 312. Rocky outcrop on bank of Nel River, 4 miles north of Nelspruit. Elevation 3,150 feet; plants growing in full sun. Perennial bunchgrass; leaf height 8 inches. Seeds.

300028. Col. No. 338. Rocky granite outcrop on Nahpe Road, KNP. Elevation 1,100 feet, level terrain; annual rainfall 22 inches. Perennial bunchgrass; leaf height 4 inches. Seeds.

299455 to 300194—Continued

300029 and 300030. *MISCANTHIDUM CAPENSE* (Nees) Stapf Gramineae.

300029. Col. No. 621. Ungrazed land, 11 miles northwest of East London. Elevation 500 feet, hilly terrain; annual rainfall 30 inches; dark gray clay loam. Perennial bunchgrass; forms large clumps. Seeds.

300030. Col. No. 662. Perennial bunchgrass; leaf height 48 inches; head height 70 inches. Seeds.

300031. *MISCANTHIDUM* sp.

Col. No. 599. Dry stream bank, 21 miles southwest of Cradock. Elevation 4,000 feet, mountainous terrain; annual rainfall 17 inches. Perennial bunchgrass; leaf height 2 feet; head height 8 feet; coarse stems. Seeds.

300032. *MYRICA CORDIFOLIA* L. Myricaceae.

Col. No. 696. Local name: Waxberry. Sprawling shrub used in sand dune stabilization. Seeds.

300033. *OSTEOSPERMUM MONILIFERUM* L. Compositae.

Col. No. 695. Local name: Bietou. Sprawling shrub to 8 feet high; highly palatable. Used in sand dune stabilization. Seeds.

300034. *PANICUM ANTIDOTALE* Retz. Gramineae. **Blue panicgrass.**

Col. No. 638. Plot 43. Originally from Argentina. Perennial bunchgrass medium-coarse stems; very leafy; leaf height 48 inches; head height 60 inches. Excellent seed retaining capacity. Seeds.

300035 to 300043. *PANICUM COLORATUM* L.

300035. Col. No. 254. Rietvle strain. Local name: Small buffalograss. Towomba Experiment Station, Plat River plain, level terrain. Elevation 4,250 feet; annual rainfall 19 inches. Reddish fine sandy loam. Erect perennial bunchgrass. Seeds.

300036. Col. No. 333. Local name: Small buffalograss. Pasture land 2 miles south of Komatipoort, Highway N-4. Elevation 1,050 feet. Komati River plain, clay loam. Plants growing in large clumps in *Acacia* shrub. Semi-erect perennial rooting at basal nodes; seeds profusely. Seeds.

300037. Col. No. 448. (D. Edwards 3253). Mkuze River valley, 3 miles north of Mkuze, Highway N-14. Elevation 500 feet, level terrain; annual rainfall 24 inches. Grazed pasture; ungrazed, 24 inches. Stolonerous perennial; prostrate, rooting at all nodes; coarse stems. Stolons.

300038. Col. No. 450. (D. Edwards 3258). Grazed pasture, 8 miles north of Mkuze, Highway N-14. Elevation 500 feet, level terrain; annual rainfall 24 inches. Stolonerous perennial; fine stems; ungrazed, 15 inches. Stolons.

300039. Col. No. 595. Grazed pasture, 5 miles north of Cradock. Elevation 2,400 feet, hilly terrain; annual rainfall 12 inches. Shallow rocky soil, disturbed site. Perennial bunchgrass; leaf height 8 inches; head height 24 inches. Seeds.

300040. Col. No. 610. Ungrazed pasture, 10 miles southeast of Somerset East. Elevation 2,500 feet, level terrain; annual rainfall 20 inches; gray clay loam. Perennial bunchgrass; leaf height 14 inches; head height 30 inches. Seeds.

300041. Col. No. 635. Plot 29. Rustenburg, Transvaal. Perennial bunchgrass; fine stems; very leafy; leaf height 28 inches; head height 48 inches. Seeds.

300042. Col. No. 636. Plot 31. Kalahari. Perennial bunchgrass; fine stems; leafy, very narrow leaves; leaf sheaths sparingly hirsute. Seeds.

299455 to 300194—Continued

300035 to 300043—Continued

300043. Col. No. 639. Plot 32. Arizona, United States. Perennial bunchgrass; fine stems; leaf height 26 inches; head height 36 inches. Excellent seed retaining capacity. Seeds.

300044. PANICUM DEUSTUM Thunb.

Col. No. 768. Skutwater, West Messina. Presented by Rietondale Research Station, Pretoria. Perennial bunchgrass. Seeds.

300045. PANICUM INFESTUM Anderss.

Col. No. 290. Disturbed site, hard gravelly soil; 15 miles south of Tzaneen on Great Letaba River. Elevation 1,850 feet, annual rainfall 25 inches. Perennial bunchgrass; leaf height 24 inches, fairly heavy seeder. Seeds.

300046 to 300057. PANICUM MAXIMUM Jacq. **Guineagrass.**

300046. Col. No. 255. Nanyuki strain. Local name: Buffalograss. Toowoomba Experiment Station, Plat River plain, level terrain. Elevation 4,250 feet, annual rainfall 19 inches. Reddish fine sandy loam. Erect perennial bunchgrass. Seeds.

300047. Col. No. 277. Local name: Buffalograss. Gravelly soil, overgrazed pasture, *Acacia-Digitaria-Urochloa* complex, 15 miles west of Louis Trichardt. Elevation 3,120 feet, level terrain between Hout and Sand Rivers; annual rainfall 18 inches. Erect perennial bunchgrass. Seeds.

300048. Col. No. 292. Local name: Buffalograss. Rakob strain; cf. Scheepers No. 146. Pretoria. Disturbed site along road at Merensky Dam across Ramadiepa River, Duiwelskloof. Elevation 2,750 feet. Perennial bunchgrass. Vigorous plants; leaf height 36 inches, head height 48 inches. Inflorescence 12 to 20 inches long; some diseased spikelets. Seeds.

300049. Col. No. 347. Local name: Buffalograss. Open grassland along Loop Road, Kruger National Park. Elevation 1,050 feet, rolling terrain, annual rainfall 21 inches. Plants growing in scrub timber in partial shade; sandy soil. Perennial bunchgrass; leaf height 50 inches; head height 60 inches. Seeds.

300050. Col. No. 363. Plants occur as weed in field, 5 miles north of Nelspruit. Seeds.

300051. Col. No. 616. Waste grounds near beach, East London. Elevation 150 feet; annual rainfall 30 inches; sandy soil. Perennial bunchgrass; leaf height 36 inches; head height 48 inches. Vigorous type with large stems. Seeds.

300052. Col. No. 631. Plot 8. Swaziland. Obtained from Bathurst Agricultural Research Station, Bathurst. Elevation 850 feet, hilly terrain; annual rainfall 27 inches; reddish clay soil. Erect perennial bunchgrass; medium coarse stems, very leafy and succulent; leaf height 33 inches; head height 48 inches. Seeds.

300053. Col. No. 632. Plot 12. Kazangula. Obtained from Bathurst Agricultural Research Station, Bathurst. Elevation 850 feet, hilly terrain; annual rainfall 27 inches; reddish clay soil. Erect perennial bunchgrass; fine stems; leaf height 24 inches; head height 36 inches; foliage medium green. Seeds.

300054. Col. No. 633. Plot 14. Nelspruit District. Obtained from Bathurst Agricultural Research Station, Bathurst. Elevation 850 feet, hilly terrain; annual rainfall 27 inches; reddish clay soil. Perennial bunchgrass; medium coarse stems; leaf height 24 inches; head height 36 inches. Seeds.

299455 to 300194—Continued

300046 to 300057—Continued

300055. Col. No. 634. Plot 18. Lilongiye, East Africa. Obtained from Bathurst Agricultural Research Station, Bathurst. Elevation 850 feet, hilly terrain; annual rainfall 27 inches; reddish clay soil. Perennial bunchgrass, forms medium-size clumps with very little branching; stems $\frac{1}{4}$ inch in diameter at base; leaf height 48 inches. Seeds.

300056. Col. No. 637. Plot 50. Kabulabula. Obtained from Bathurst Agricultural Research Station, Bathurst. Elevation 850 feet, hilly terrain; annual rainfall 27 inches; reddish clay soil. Perennial bunchgrass; fine stems; leaf height 48 inches; head height 60 inches. Plants very uniform and very leafy; outstanding for yield. Seeds.

300057. Col. No. 640. Plot 44. Coastal type. Obtained from Bathurst Agricultural Research Station, Bathurst. Elevation 850 feet, hilly terrain; annual rainfall 27 inches; reddish clay soil. Erect perennial bunchgrass; medium coarse stems; very leafy with broad leaves to $\frac{3}{4}$ inch wide, hirsute leaf sheaths. Culms tend to spread. Seeds.

300058 and 300059. PANICUM STAFFIANUM Fourc.

300058. Col. No. 524. Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet, level terrain; annual rainfall 20 inches. Gray heavy soil, Modder River plain. Perennial bunchgrass; leaf height 12 inches. Seeds.

300059. Col. No. 767. Blaauburg, Transvaal. Presented by Rietondale Research Station, Pretoria. Perennial bunchgrass. Seeds.

300060. PANICUM MAXIMUM Jacq.

Col. No. 364. Plants from pasture, 7 miles north of Nelspruit. Seeds.

300061 to 300077. PASPALUM DILATATUM Poir. Gramineae. **Dallisgrass.**

Estcourt Research Farm, Estcourt.

300061 to 300075. Original collections by Dr. J. D. H. Rensch, College of Agriculture, Cedara, Natal. (Reference: South African Journal Agricultural Science 4(4): 513-527. 1961). Seeds.

300061. Col. No. 383. Selection 56-19.

300062. Col. No. 384. Selection 56-34.

300063. Col. No. 385. Selection 56-56.

300064. Col. No. 386. Selection 56-63.

300065. Col. No. 387. Selection 56-71.

300066. Col. No. 388. Selection 56-89.

300067. Col. No. 389. Selection 56-125.

300068. Col. No. 390. Selection 56-129.

300069. Col. No. 391. Selection 56-155.

300070. Col. No. 392. Selection 56-156.

300071. Col. No. 393. Selection 56-162.

300072. Col. No. 394. Selection 56-168.

300073. Col. No. 395. Selection 56-170.

300074. Col. No. 396. Selection 56-172.

300075. Col. No. 397. Selection 56-187.

300076. Col. No. 294. Disturbed site along Highway N-5, 20 miles west of Harrismith. Elevation 5,650 feet, rolling terrain; annual rainfall 30 inches. Perennial bunchgrass; forms large clumps; leaf height 8 inches. Seeds.

299455 to 300194—Continued**300061 to 300077—Continued**

300077. Col. No. 680. Disturbed site, 17 miles east of Knysna, Highway N-2. Hilly terrain, sandy clay. Perennial bunchgrass. Seeds.

300078. PASPALUM NOTATUM Fluegg **Bahiagrass.**

Col. No. 527. Glen Agricultural College, Glen, Orange Free State. Elevation 4,200 feet, level terrain; annual rainfall 20 inches. Wasteland, heavy clay soil near water hole; plants growing into water. Rhizomatous perennial. Rhizomes.

300079. PASPALUM URVILLEI Steud. **Vaseygrass.**

Col. No. 617. Waste grounds, East London. Elevation 200 feet; annual rainfall 30 inches; sandy soil. Perennial bunchgrass; leaf height 24 inches; head height 40 inches; heavy seeder. Seeds.

300080. PASPALUM VAGINATUM Swartz

Col. No. 411. Middlerest area, 20 miles east of Estcourt. Elevation 3,500 feet, mountainous terrain; annual rainfall 30 inches; not frost-free. Plants in full sun in dry streambed, silt deposit; grows well in moist sandy soils. Stoloniferous perennial with strong, long stolons; leaf height 12 inches; 1 to 2 racemes per inflorescence. Stolons.

300081. PELTOPHORUM AFRICANUM Sond. Leguminosae.

Col. No. 258. Local name: African wattle, Huilbos. Brown clay soil, 55 miles south of Pietersburg, Highway N-1. Nyl River plain, level terrain. Elevation 4,800 feet. Tree, with yellow blossoms; widely distributed throughout the Transvaal, found in highly variable habitats. Seeds.

300082 and 300083. PENNISETUM CLANDESTINUM Hochst. ex Chivenda Gramineae. **Kikuyugrass.**

300082. Col. No. 495. Van Dillon Farm, Harrismith, Orange Free State. Elevation 5,800 feet level terrain; annual rainfall 45 inches. Stoloniferous perennial with rhizomes; widespread throughout South Africa. Rhizomes and stolons.

300083. Col. No. 652. Waste grounds in Alexandria, Cape Province. Stolons.

300084 and 300085. PENNISETUM MACROURUM Trin.

300084. Col. No. 239. Plot 147. Elgin, Cape Province. Rhizomatous perennial bunchgrass; leaf height 30 inches. Leaf blades rolled. Seeds.

300085. Col. No. 240. Plot 148. Whitbank. Perennial bunchgrass; leaf height 48 inches. Seeds.

300086. PENNISETUM PURPUREUM Schum. **Elephantgrass.**

Col. No. 291. Local name: Elephantgrass, Napier Fodder. Near flowing stream in open sun on Westfalia Estate, Duiwelskloof. Elevation 3,000 feet. Erect robust perennial bunchgrass; 16 feet high, dark green foliage. Stolons.

300087. PENNISETUM SETACEUM Forsk.

Col. No. 233. Plot 200. United States. Ornamental bunchgrass forming moderately large clumps; leaf height 24 inches; head height 36 inches. Racemes 8 inches; inflorescence blue white. Seeds.

300088. PENNISETUM TYPHOIDES (Burm. f.) Stapf & Hubbard.

Col. No. 533. Local name: Pearl millet. Donated by Glen Agricultural College, Glen, Orange Free State. Annual bunchgrass. Seeds.

300089 to 300091. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

300089. Col. No. 375. var. 'Black wonder'. Seeds purchased from seed store, Estcourt.

299455 to 300194—Continued

300089 to 300091—Continued

300090. Col. No. 376. var. 'Victory'. Seeds purchased from seed store, Estcourt.

300091. Col. No. 377. var. 'Everbearing'. Seeds purchased from seed store, Estcourt.

300092. PORTULACARIA AFRA Jacq. Portulacaceae.

Col. No. 576. Succulent browse plant, 10–15 feet high. Adapted to dry rocky soils. Known as Chinese lantern tree in Australia; reproduction by cuttings or seeds. Seeds donated by Grootfontein Agricultural College, Mid-delburg. Seeds.

300093. PSORALEA OBTUSIFOLIA DC. Leguminosae.

Col. No. 562. Disturbed site along road, 15 miles north of Barkley West. Elevation 4,000 feet level terrain; annual rainfall 15 inches. Perennial vine growing in grass. Seeds.

300094. PTEROCARPUS ANGOLENSIS DC. Leguminosae.

Col. No. 310. Local name: Kiaat., Rhodesian teak. Waste land on Crocodile River, 3 miles north of Nelspruit. Elevation 3,200 feet level terrain, sandy soil. Deciduous tree with pinnately compound leaves; yellow flowers; winged seeds with wing completely surrounding seed. Wood used for furniture. Seeds.

300095. PUERARIA LOBATA (Willd.) Ohwi Leguminosae.

Col. No. 404. Commercial seed obtained from Estcourt Research Farm, Estcourt.

300096. PUNICA GRANATUM L. Punicaceae.

Pomegranate.

Col. No. 490. Seeds donated by Mr. L. Andrews, Empangeni, Natal. Ornamental, 12–15 inches high with edible fruits 1.5 inches in diameter. Seeds.

300097. RHYNCHELYTRUM REPENS (Willd.) C. E. Hubb. Gramineae.

Col. No. 558. Local name: Red top. Disturbed site, 5 miles east of Barkley West, Highway S-5. Elevation 4,000 feet level terrain; annual rainfall 15 inches; shallow rocky soil. Bunchgrass; leaf height 6 inches. Seeds.

300098. RHYNCOSIA HIRSUTA Eckl. & Zeyh. Leguminosae.

Col. No. 625. Disturbed site, 20 miles southwest of East London. Elevation 500 feet, hilly terrain; annual rainfall 30 inches. Seeds.

300099. RHYNCOSIA MINIMA (L.) DC. var. MINIMA

Col. No. 656. Railroad right-of-way, 5 miles southwest of Alexandria. Elevation 700 feet, hilly terrain; annual rainfall 27 inches. Vine, trifoliolate rough leaves; yellow blossoms; seedpods 2 inches long, 2 seeds per pod; seeds black. Seeds.

300100. RHYNCOSIA MINIMA (L.) DC.

Col. No. 260. Dark brown clay soil, on bank of Nyl River, 48 miles south of Pietersburg, Highway N-1. Elevation 4,700 feet. Seeds.

300101. RHYNCOSIA SUBLOBATA (Schumach.) Meikle

Col. No. 461. (D. Edwards 3266). Near Pongola Bridge on Mgut Road, Natal. Growing among grass on irrigation ditch, reddish clay loam. Vine, 20–30 feet long; trifoliolate leaves; several yellow flowers per raceme; black seeds. Seeds.

300102. RHYNCOSIA TOTTA (Thunb.) D.C.

Col. No. 628. Disturbed site, 40 miles southwest of East London. Elevation 500 feet, hilly terrain; annual rainfall 25 inches. Shallow rocky soil over dolerite. Vine; trifoliolate leaves 2 inches long; seedpods ½ inch long; dark brown seeds. Seeds.

299455 to 300194—Continued

300103. RUBUS PINNATUS Willd. Rosaceae.

Col. No. 655. Disturbed site 5 miles southwest of Alexandria. Semi-prostrate perennial with branching stems; mauve flowers. Cuttings.

300104. RUBUS RIGIDUS DC.

Col. No. 622. Disturbed roadbank 11 miles northwest of East London. Semiviny, light purple rather large blossoms at terminal ends of stems. Cuttings.

300105. SCHISMUS INERMIS (Stapf) C.E. Hubbard Gramineae.

Col. No. 676. Waste land in Port Elizabeth. Plants growing on sandy soil in open *Eucalyptus* thicket. Weak perennial bunchgrass forming small clumps; narrow basal leaves; leaf height 10 inches; head height 15 inches. Seeds.

300106. SCHOTIA BRACHYPETALA Sond. Leguminosae.

Col. No. 753. Local name: Tree fuchsia. Tree growing on Rietondale Research Station, Pretoria. Large, well shaped, deciduous, ornamental shade tree. Pinnate leaves and large red flowers borne in clusters along the twigs. Seeds.

300107. SESAMUM ALATUM Thonn. Pedaliaceae.

Col. No. 342. Disturbed site along firebreak on Nahpe Road, Kruger National Park. Elevation 1,100 feet, level terrain, annual rainfall 20 inches. Plant growing in full sun on sandy soil. Plant erect, 36 inches high with very few basal branches. Seed pods split almost entire length. Seeds.

300108. SESAMUM TRIPHYLLUM Welw. ex Aschers.

Col. No. 261. Disturbed site on bank of Nyl River, 47 miles south of Pietersburg. Elevation 4,700 feet. Plants 40 inches high; seed pods split to below the middle; blue flowers. Seeds.

300109. SETARIA FLABELLATA Stapf Gramineae.

Col. No. 536. Donated by Glen Agricultural College, Glen, Orange Free State. Perennial bunchgrass. Seeds.

300110. SETARIA NEGLECTA DeWit.

Col. No. 608. Ungrazed pasture, 10 miles southeast of Somerset East. Elevation 2,500 feet, level terrain; annual rainfall 20 inches; grey clay loam. Perennial bunchgrass forming small clumps; leaf height 12 inches; head height 24 inches. Seeds.

300111 and 300112. SETARIA WOODII Hack.

300111. Col. No. 451. (D. Edwards 3256). Pastureland 8 miles north of Mkuze, Highway N-14. Elevation 500 feet, level terrain; annual rainfall 24 inches. Plants growing in *Acacia-Panicum* association on black clay. Perennial bunchgrass; leaf height 24 inches; head height 36 inches. Seeds.

300112. Col. No. 528. Glen Agricultural College. Elevation 4,200 feet, level terrain; annual rainfall 20 inches. Heavy clay soil in dry streambed. Perennial bunchgrass; leaf height 12 inches. Seeds.

300113. SETARIA sp.

Col. No. 381. Estcourt Research Farm, Estcourt. Elevation 3,800 feet, hilly terrain; annual rainfall 29 inches; not frostfree. Bunchgrass with short rhizomes; leaf height 15 inches; head height 36 inches. Seeds.

300114. PENNISETUM SETACEUM (Forsk.) Chiov. Gramineae.

Col. No. 688. Waste ground, Mosselbaai. Elevation 200 feet; annual rainfall 17 inches. Perennial bunchgrass forming mediumsize clumps; leaf height 15 inches; head height 24 inches. Inflorescence 10 inches long; recommended as an ornamental. Seeds.

299455 to 300194—Continued

300115. SORGHUM BICOLOR (L.) Moench Gramineae.

Col. No. 446. Cultivated field, 1 mile northeast of Hluhluwe Game Reserve. Elevation 600 feet, level terrain; annual rainfall 37 inches. Seeds.

300116. SORGHUM VERSICOLOR Anderss. Black sudangrass.

Col. No. 476. (D. Edwards 3255). Cultivated field, 1 mile southwest of Mkuze. Plants growing as weed in sisal field. Perennial bunchgrass; plants form large clumps 36 inches high. Seeds.

300117 to 300120. SORGHUM VERTICILLIFLORUM (Steud.) Stapf

300117. Col. No. 262. Disturbed site on bank of Nyl River, 47 miles south of Pietersburg, Highway N-1. Elevation 4,700 feet. Erect annual or perennial; 4 to 5 feet; stems pencil-sized; tends to become a weed. Local name: Tabuckigrass. Seeds.

300118. Col. No. 294. Sandy soil on bank of Great Letaba River 15 miles south of Tzaneen. Elevation 1,850 feet, annual rainfall 25 inches. Annual or weak perennial bunchgrass; 10 feet high, stems $\frac{1}{4}$ inch in diameter at base; nodes 8-12 inches, narrow leaf blades 24 inches. Seeds.

300119. Col. No. 329. Waste land 2 miles south of Malelane. Elevation 1,300 feet; Crocodile River plain; annual rainfall 20 inches. Plants growing in hard red clay soil. Annual or perennial bunchgrass; 8 feet high. Seeds.

300120. Col. No. 433. North bank of Tugela River, 5 miles north of Darnall, Highway N-14; dark grey sand. Elevation 400 feet; annual rainfall 40 inches. Seeds.

300121. SORGHUM sp.

Col. No. 372. Onverwacht, seven miles northwest of Estcourt. Open grassland, *Acacia* shrub, sandy soil. Elevation 3,300 feet, rolling terrain; annual rainfall 22 inches. Plants to 48 inches high; heavy seeder. Seeds.

300122 and 300123. SPOROBOLUS FIMBRIATUS Nees Gramineae.

300122. Col. No. 575. Rangeland, 6 miles east of Middelburg. Elevation 4,300 feet, level terrain; annual rainfall 13 inches. Shallow rocky red clay on ungrazed site. Perennial bunchgrass; leaf height 12 inches; head height 24 inches. Seeds.

300123. Col. No. 598. Disturbed site along highway, 21 miles southwest of Cradock. Elevation 4,000 feet, mountainous terrain; annual rainfall 17 inches. Perennial bunchgrass; leaf height 12 inches; head height 24 inches. Seeds.

300124. SPOROBOLUS IOCLADOS var. USITATUS (L.) Stent

Col. No. 352. Open grassland poorly drained site, near Skukuza, Kruger National Park. Elevation 1,000 feet, level terrain; annual rainfall 21 inches. Plants growing in low area subject to inundation; gray sandy clay soil. Stolonerous perennial with few stolons; leaf height 3 inches. Seeds.

300125. SPOROBOLUS NITENS Stent

Col. No. 353. Open grassland near Skukuza, Kruger National Park. Elevation 1,050 feet, level terrain; annual rainfall 21 inches. Plants growing on shallow grey sand in poorly drained site subject to inundation. Perennial bunchgrass; leaf height 4 inches; head height 12 inches. Seeds.

300126. SPOROBOLUS VIRGINICUS (L.) Kunth Seashore dropseed.

Col. No. 487. (D. Edwards 3305). Coastal sand dunes on Indian Ocean. 1 mile east of St. Lucia. Rhizomatous perennial. Rhizomes.

300127 to 300130. STENOTAPHRUM SECUNDATUM (Walt.) Kuntze. Gramineae. St. Augustine grass.

300127. Col. No. 207. Lawngrass; also used for stabilizing sand dunes. Seeds.

299455 to 300194—Continued

300127 to 300130—Continued

300128. Col. No. 434. Disturbed site, 8 miles north of Tugela River, Highway N-14. Dry red clay, full sun. Stoloniferous perennial. Stolons.

300129. Col. No. 626. Disturbed site, 30 miles southwest of East London. Elevation 500 feet, hilly terrain; annual rainfall 31 inches. Plants in *Sporobolus* association. Stolons.

300130. Col. No. 668. Low wet site, 10 miles southeast of Uitenhage on Port Elizabeth Road. Plants growing in *Digitaria-Panicum* association. Stoloniferous perennial sodgrass; vigorous. Stolons.

300131. STEREOCHLAENA CAMERONII (Stapf) Pilg. Gramineae.

Col. No. 284. Local name: Gilstongrass. Disturbed site, sand pits, well drained loose sand, Westfalia Estate, Duiwelskloof. Elevation 3,000 feet. Stoloniferous perennial; head height 34 inches. Adapted to hot dry habitats. Stolons.

300132. ARISTIDA ZEYHERI (Nees) Steud. Gramineae.

Col. No. 673. Disturbed site along Port Elizabeth-Uitenhage road, 15 miles northeast of Port Elizabeth. Seeds. Authority not found.

300133. STIZOLOBIUM DEERINGIANUM Bort. Leguminosae.**Deering velvetbean.**

Col. No. 516. Commercial seed donated by S. R. Gasson, Marquard.

300134. STYLOSANTHES SUNDAICA Taub. Leguminosae.

Col. No. 657. Presented by Stutterheim Agricultural Research Station, Stutterheim, Cape Province. Seeds.

300135. TEPHROSIA PURPUREA (L.) Pers. Leguminosae.

Col. No. 360. Open grassland on Hippo Pool Road, Kruger National Park. Elevation 1,000 feet, level terrain; annual rainfall 21 inches. Plants growing on shallow sandy clay loam in heavy stand of *Heteropogon-Hyparrhenia*. Plants 20 inches high; branching; seeding profusely. Seeds.

300136 and 300137. TETRACHNE DREGEI Nees Gramineae.

300136. Col. No. 491. Bethlehem Research Station, Bethlehem, Orange Free State. Elevation 5,400 feet, level terrain; annual rainfall 26 inches. Perennial bunchgrass; leaf height 15 inches. Seeds.

300137. Col. No. 579. Seeds donated by Grootfontein Agricultural College, Middelburg, Cape Province. Perennial bunchgrass. Seeds.

300138. TETRAGONIA ARBUSCULA Fenzl ex Harvey & Sond. Aizoaceae.

Col. No. 593. Palatable shrub with very small leaves and winged seeds. Grows well in dry alkaline soils. Seeds.

300139. TETRAPOGON MOSSAMBICENSIS (K. Schum.) Chippind ex B. S. Fisher Gramineae.

Col. No. 452. (D. Edwards 3257). Ungrazed pasture, 8 miles north of Mkuze, Highway N-14. Elevation 500 feet, Pongola River plain; annual rainfall 24 inches. *Acacia-Panicum* association on black clay. Stoloniferous perennial; leaf height 14 inches; head height 30 inches; heavy seeder. Seeds.

300140 and 300141. THEMEDA TRIANDRA Forsk. Gramineae. Rooi grass.

300140. Col. No. 299. Local name: Redgrass. Open grassland on Mt. Anderson, rocky soil, 6 miles east of Lydenburg. Elevation 6,500 feet mountainous terrain, western exposure. Plants in *Hyparrhenia* association. Perennial bunchgrass; leaf height 12 inches; head height 36 inches. Seeds.

299455 to 300194—Continued**300140 to 300141—Continued**

300141. Col. No. 371. Onverwacht, 7 miles northwest of Estcourt. Elevation 3,300 feet, rolling terrain; annual rainfall 22 inches. *Acacia* shrub association, sandy soil. Perennial bunchgrass; leaf height 40 inches; moderate amount of leaves. Seeds.

300142. THESIUUM TRIFOLIUM L. f. Santalaceae.

Col. No. 612. Open pasture, 2 miles west of Adelaide. Semiviny plants, 2 feet high; plants not spiny; deep orange fruits not lobed. Seeds.

300143. TRICHILIA EMETICA Vahl Meliaceae.

Col. No. 309. Local name: Cape mahogany, Natal mahogany. Waste land on Crocodile River, 3 miles north of Nelspruit. Elevation 3,200 feet, level terrain, sandy soil. Tree, up to 60 feet. More or less evergreen with dark green compound leaves 6–9 inches long, leaflets, 5–6 pairs. Seeds with red aril and black spot. Useful as ornamental shade tree. Seeds.

300144. TRICHOPTERYX DREGEANA Nees Gramineae.

Col. No. 288. Crevices in rocks in deep shade on bank of Ramadipea River, Duiwelskloof. Undisturbed site subject to overflow. Slender straggling perennial; plants grow in colonies in rocky crevices. Plants.

300145 and 300146. TRIFOLIUM AFRICANUM Ser. Leguminosae.

300145. Col. No. 509. Jim Shannon farm, 21 miles southwest of Harrismith. Elevation 6,000 feet, mountain side; annual rainfall 32 inches. Plants in grazed pasture among rocks on steep slope, southern exposure. Seeds.

300146. Col. No. 530. Glen Agricultural College. Elevation 4,200 feet; annual rainfall 20 inches. Sandy soil on bank of Modder River. Seeds.

300147 and 300148. TRIFOLIUM BURCHELLIANUM Seringe

300147. Col. No. 588. Fram Longebosch, Cape Province. Donated by Grootfontein Agricultural College, Middelburg, Capt Province. Seeds.

300148. Col. No. 658. Presented by Stutterheim Agricultural Research Station, Stutterheim, Cape Province. Seeds.

300149 to 300154. TRIFOLIUM PRATENSE L.**Red clover.**

300149. Col. No. 496. Van Dillon Farm, Harrismith. Elevation 5,800 feet; annual rainfall 45 inches. Irrigated meadow, in valley. Vigorous plants; 12 inches high. Seeds.

300150. Col. No. 518. 'Kenland'. Commercial seed donated by S. R. Gasson, Marquard.

300151. Col. No. 519. 'Montgomery'. Commercial seed donated by S. R. Gasson, Marquard.

300152. Col. No. 520. 'Giant Red'. Commercial seed donated by S. R. Gasson, Marquard.

300153. Col. No. 521. 'Chilean Red'. Commercial seed donated by S. R. Gasson, Marquard.

300154. Col. No. 544. Commercial seed. Donated by Glen Agricultural College, Glen, Orange Free State. Seeds.

300155 to 300157. TRIFOLIUM REPENS L.**Whiteclover.**

300155. Col. No. 497. Local name: New Zealand White clover. Van Dillon Farm, Harrismith. Elevation 5,800 feet; annual rainfall 45 inches; irrigated meadow. Plants 10 inches. Seeds.

300156. Col. No. 522. Commercial seed donated by S. R. Gasson, Marquard.

300157. Col. No. 543. Local name: New Zealand wild white. Commercial seed,

299455 to 300194—Continued

300158 to 300162. TRIFOLIUM PRATENSE L.**Red clover.**

Seed of breeding lines of red clover soon to be released as cultivars. Donated by Grootfontein Agricultural College, Middelburg, Cape Province.

300158. Col. No. 587. Breeding line R-69.

300159. Col. No. 589. Breeding line 53.

300160. Col. No. 590. Breeding line 56.

300161. Col. No. 591. Breeding line 65.

300162. Col. No. 592. Breeding line 66.

300163 to 300166. UROCHLOA MOSAMBICENSIS (Hack.) Dandy. Gramineae.

300163. Col. No. 266. Disturbed red clay soil on bank of Diep River, 20 miles north of Pietersburg, Highway N-1. Elevation 4,000 feet. Plants growing in open grassland in conjunction with other species of *Urochloa*. Semidecumbent perennial; plants very leafy; heavy seed production. Seeds.

300164. Col. No. 273. Low wet roadside ditch, Mutale River flood plain, 24 miles north of Louis Trichardt. Elevation 2,100 feet, annual rainfall 16 inches. Strongly stoloniferous perennial; prostrate. Stolons.

300165. Col. No. 293. Brown clay loam in citrus orchard on Great Letaba River 15 miles south of Tzaneen. Elevation 1,850 feet; level terrain; annual rainfall 25 inches. Rhizomatous perennial forming dense sod; leaf height 12 inches. Seeds.

300166. Col. No. 326. Waste land 1 mile north of Highway N-4 at Malalane. Elevation 1,300 feet, level terrain; annual rainfall 20 inches. Plants growing on sandy soil near Crocodile River. Rhizomatous perennial; leaf height 12 inches.

300167. UROCHLOA sp. Gramineae.

Col. No. 271. Disturbed rocky gravelly clay soil along roadside, 23 miles north of Louis Trichardt. Elevation 2,000 feet, level terrain. Sand River plain annual rainfall 18 inches. Stoloniferous, prostrate with broad leaves. Stolons.

300168. UROCHLOA cf. TRICHOPUS (Hochst.) Stapf.

Col. No. 380. Estcourt Research Farm, Estcourt. Elevation 3,800 feet, rolling terrain; annual rainfall 29 inches; not frost free. Stoloniferous sodgrass. Stolons.

300169. VICIA FABA L. Leguminosae.**Broadbean.**

Col. No. 374. Seeds purchased from seed store, Estcourt.

300170. VICIA sp.

Col. No. 706. Caledon Wild Flower Garden, Caledon. Woody shrub, branched, 40 inches high; mauve flowers; seed pod 3 inches long, ½ inch wide. Plant used as ornamental. Seeds.

300171 to 300175. VIGNA SINENSIS (Torner) Savi. Leguminosae.

Bethlehem Research Station, Bethlehem, Orange Free State. Elevation 5,400 feet, level terrain; annual rainfall 26 inches. Seeds.

300171. Col. No. 499. 'New Era'.

300172. Col. No. 500. 'Witzenborg'.

300173. Col. No. 501. 'Bechuanaland White'.

300174. Col. No. 502. 'Victor'.

300175. Col. No. 503. 'Saunders Upright'.

300176. VIGNA WILMSII Burt-Davy

Col. No. 412. Middlerest, 20 miles east of Estcourt. Elevation 3,500 feet, hilly terrain; annual rainfall 30 inches; not frost free. Plant in wet sand in running stream. Heavily nodulated vine; trifoliolate leaves, narrow leaflets; yellow flowers. Seeds.

299455 to 300194—Continued

300177. *VIRGILIA OROBOIDES* (Berg.) Salter Leguminosae.

Col. No. 709. Ornamental shrub. Seeds. Presented by Mr. H. F. Wood, Hermanus, Cape Province.

300178 and 300179. *WATSONIA* (hybrids). Iridaceae.

300178. Col. No. 711. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental, Hybrid No. 5. Corms.

300179. Col. No. 712. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental, Hybrid Bloem-Erf Orchard. Corms.

300180. *WATSONIA MERIANA* Miller

Col. No. 716. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental, Hybrid No. 3. Corms.

300181. *WATSONIA* (hybrid).

Col. No. 718. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental, Hybrid No. 2. Deep rose flowers. Corms.

300182. *WATSONIA ALETROIDES* Ker-Gawl.

Col. No. 715. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental. Corms.

300183. *WATSONIA ANGUSTA* Ker.

Col. No. 687. Outiniqua Agricultural Research Station, George. Elevation 300 feet, hilly terrain; annual rainfall 40 inches. Acid sandstone pH 4.5. Plants 40 inches high. Corms.

300184. *WATSONIA HUMILIS* Mill.

Col. No. 708. Cultivated ornamental, orange flowers. Plants require 3 years to blossom. Corms. Presented by Mr. H. F. Wood, Hermanus, Cape Province.

300185. *WATSONIA IRIDIFOLIA* var. *OBRIENI* N. E. Brown.

Col. No. 719. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental. Corms.

300186. *WATSONIA MARGINATA* (Thunb.) Ker.

Col. No. 713. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental. Corms.

300187. *WATSONIA PRIORI* L. Bolus

Col. No. 722. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental. Seeds.

300188. *WATSONIA PYRAMIDATA* (Andrews) Klatt.

Buglelily.

Col. No. 717. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental. Corms.

300189. *WATSONIA STANFORDII* L. Bolus

Col. No. 720. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Cultivated ornamental. Corms.

300190. *WATSONIA* sp.

Col. No. 303. Open grassland, Mt. Anderson, 10 miles east of Lydenburg. Plants occur in partly decayed rock. Elevation 7,000 feet. Flower stalks 24 inches with purplish flowers occurring separately in two rows along the stem. Corms.

300191. *WATSONIA* sp.

Col. No. 710. Rocky Table Mountain grey sandstone, 30 miles west of Hermanus, Highway N-2. Plants growing among rocks. Plants 12 inches; flower stems 20 inches; blue flowers. Corms.

299455 to 300194—Continued**300192. WATSONIA sp.**

Col. No. 714. Purchased from Bloem Erf Nurseries, Stellenbosch, Cape Province. Local name: Shell pink. Cultivated ornamental. Corms.

300193. DIGITARIA SETIVALVA Stent Gramineae.

Col. No. 145. Plot 741. From Natal. Plant stoloniferous; stems fine; leaves to 8 inches high; seed heads few. From Rietondale Research Station, Pretoria. Stolons.

300194. PASPALUM NOTATUM Fluegge Gramineae. Bahiagrass.

Col. No. 289. Packed red clay soil in old roadbed, Westfalia Estate, Duiwelskloof. Plants growing in full sun. Rhizomatous perennial. Rhizomes.

300195 to 300238.

From Greece, Yugoslavia, and Crete. Seeds collected by P. F. Knowles, University of California, Davis, Calif. Received Aug. 11, 1964.

300195 to 300210. From Greece.**300195. CARTHAMUS LANATUS L. Compositae.**

Col. No. N-36. Near sea, 2 miles southwest of Kamiros, Rhodes Island. Plants dry, scarce; flowers probably light yellow.

300196 to 300202. CARTHAMUS DENTATUS Vahl.

300196. Col. No. N-32. In wild near Rhyduras (Donkey) River bridge south of Malon, 30 miles from Rhodes, road to Lindos, Rhodes Island. Plants scattered; resembles *C. tenuis* but leaves have slight dentation.

300197. Col. No. N-33. In wild in field of weeds 6 miles from Lindos, road to Kamiros, Rhodes. Plants somewhat immature; flowers light blue.

300198. Col. No. N-34. In cleared grainfield, low mountainous area, 13 miles from Lindos, road to Kamiros, Rhodes. In wild; bracts long; flowers blue.

300199. Col. No. N-35. Cleared grainfield 53 miles from Lindos, road to Kamiros, Rhodes. Outer bracts long, strongly spined; flowers blue.

300200. Col. No. N-38. Weeds in olive orchard, 22 miles from Athens, road to Corinth. Plants abundant, gray green, to 30 inches high; heads almost 1 inch in diameter; flowers white to lavender; seeds almost mature.

300201. Col. No. N-39. Weed in olive orchard 22 miles from Athens, road to Corinth. Plants scarce, almost green rather than gray green.

300202. Col. No. N-42. In olive orchard 21 miles north of Areopolis, road to Kalamata. Plants to 30 inches high; heads almost 1 inch in diameter; flowers lavender; seeds nearing maturity.

300203 and 300204. CARTHAMUS LANATUS L.

300203. Col. No. N-40. Weed in olive orchard 22 miles from Athens, road to Corinth. Plants to 12 inches high; seeds mature for some time.

300204. Col. No. N-41. In olive orchard 21 miles north of Areopolis, road to Kalamata. Plants to 30 inches high; outer bracts somewhat longish; seeds almost completely ripe.

300205 to 300208. CARTHAMUS TENUIS (Boiss. & Blanche) Bornm.

300205. Col. No. N-29. In harvested fields 7 miles from Rhodes, road to Lindos, Rhodes Island. Plants of open habit, to 2 feet high; flowers white.

300206. Col. No. N-30. In fields 7 miles from Rhodes, road to Lindos, Rhodes. Plants have open habit; flowers light blue.

300195 to 300238—Continued**300205 to 300208—Continued**

300207. Col. No. N-31. Scattered plants in grass in mixed fig and olive orchard 12 miles from Rhodes, road to Lindos, Rhodes. Plant dry, severely insect damaged; flowers white.

300208. Col. No. N-37. In cleared cereal field near sea level, 3 miles northeast of Kamiros. Flowers light blue and white.

300209. *LINUM* sp. Linaceae.

Col. No. N-43. Dry, hilly roadside waste area, 22 miles from Kalamata, road to Tripolis. Plants to 12 inches high; bolls small, a few green.

300210. *LINUM* sp.

Col. No. N-44. Dry, hilly roadside waste area, 22 miles from Kalamata, road to Tripolis. Plants to 20 inches high, completely dry.

300211 to 300215. From Yugoslavia.**300211.** *CARTHAMUS DENTATUS* Vahl. Compositae.

Col. No. N-5. Roadside 22 miles south of Skopje.

300212 to 300214. *CARTHAMUS LANATUS* L.

300212. Col. No. N-1. Roadside 40 miles south of Starigrad. Plants to 3 feet high.

300213. Col. No. N-2. Roadside 40 miles south of Starigrad. Plants smallish; head diameter about 0.5 inch.

200214. Col. No. N-4. Roadside 22 miles south of Skopje. Plants to 3 feet high.

300215. *CARTHAMUS* sp.

Col. No. N-3. Roadside near Adriatic, 8 miles southeast of Dubrovnik. Plants to 3 feet high.

300216 to 300238. From Crete.**300216.** *CARDUNCCELLUS CAERULEUS* (Gaertn.) Less. Compositae.

Col. No. N-7. About ruins of palace at Malia, about 19 miles east of Iraklion. Dried up perennial; all heads severely insect damaged.

300217 to 300226. *CARTHAMUS LANATUS* L. Compositae.

300217. Col. No. N-8. Roadside 32.5 miles east of Iraklion. Plants to 3 feet high; seeds somewhat immature.

300218. Col. No. N-10. Roadside 49 miles east of Iraklion, road to Elounda. Plants near maturity, to 3 feet high.

300219. Col. No. N-11. Roadside 1.2 miles north of Teraptera. Plants to 3 feet high; seeds mature.

300220. Col. No. N-12. Mountain roadside 11 miles from Iraklion, east of Marathos. Plants to two feet high; flowers cream colored.

300221. Col. No. N-14. Roadside 19 miles west of Iraklion, west of Marathos. Flowers white.

300222. Col. No. N-15. In wild 19 miles west of Iraklion. Flowers cream colored.

300223. Col. No. N-16. Mountain roadside 19 miles west of Iraklion. Plants scarce; flowers yellow.

300224. Col. No. N-20. Roadside 1.2 miles west of Khama, near Laros. Seeds mature.

300225. Col. No. N-26. In wild 2 miles east of ruins at Phaestos. Plant 2 feet high; seeds almost mature.

300226. Col. No. N-28. In wild 10 miles southwest of Iraklion. Plants to 2 feet high.

300195 to 300238—Continued

300227 and 300228. *CARTHAMUS DENTATUS* Vahl.

300227. Col. No. N-6. Local name: Kartaros. In wild along roadside and in fields 4.5 miles east of Iraklion. Plants to 30 inches high; first flowers in bloom.

300228. Col. No. N-9. Roadside 50 miles east of Iraklion, road to Eloundo. Plants to 3 feet high.

300229 to 300231. *CARTHAMUS GLAUCUS* Bieb.

300229. Col. No. N-19. Along main road, eastern outskirts of Rethymnon. Plants to 4 feet high; flowers mostly pale blue, a few white.

300230. Col. No. N-22. Scattered among other weeds in field 2 miles west of Rethymnon. Flowers light blue.

300231. Col. No. N-23. Scattered among other weeds in field 2 miles west of Rethymnon. Plant low growing, late maturing.

300232 to 300234. *CARTHAMUS LANATUS* L.

300232. Col. No. N-17. By roadside olive orchard, at Km. stone 32.5, 31 miles west of Iraklion. Plants to 3 feet high; heads about 1 inch diameter; flowers pale yellow; pollen yellow.

300233. Col. No. N-18. In wild in field about 0.6 miles east of Alexandro Phadi, 38 miles west of Iraklion. Plants to 2 feet high; heads 0.75 inches diameter; flowers pale yellow.

300234. Col. No. N-27. Along a side road 0.6 miles west of Ayia Varvara. Plants to 2 feet high; pollen yellow.

300235 and 300236. *CARTHAMUS LEUCOCAULOS* Sibth. & Smith

300235. Col. No. N-13. Mountainous roadside west of Marathos, 16 miles west of Iraklion. Plants to 24 inches high; flowers light purple to rose colored; seeds probably not mature.

300236. Col. No. N-25. Roadside, 9 miles west of Iraklion. Plants to 2 feet high; seeds somewhat immature.

300237. *LOTUS* cf. *HALOPHILUS* Boiss. Leguminosae.

Col. No. N-24. In a field with other weeds 1.8 miles west of Rethymnon. Annual, flat on ground.

300238. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

Col. No. N-21. Dry creekside near highway bridge 5 miles east of Khamia. From individual plant, resistant to shattering; capsules tough; seeds small.

300239 to 300247. *ARACHIS HYPOGAEA* L. Leguminosae.

From Nigeria. Seeds presented by the Agricultural Research Station, Mokwa, Jebba. Received Aug. 18, 1964.

<i>P.I. Nos.</i>	<i>Nigerian selection</i>	<i>Group</i>	<i>Remarks</i>
300239.	GBS 601.	Kongwa Runner.	High yield at Mokwa.
300240.	JBU. 606.	Matevere Bunch.	Earlier than most Spreading Bunch.
300241.	LBU 595.	Virginia type pods.	
300242.	LBU. 598.	Ilorin Bunch pods.	Plants large, coarse, long season.
300243.	LBU 5912.	Castle Cary Bunch.	Pods smaller than usual.
300244.	MS 539.	Natal Runner.	High yield.
300245.	OBS 595.	Zaria type pods.	Plants large, coarse, long season.
300246.	TBU 5913.	Samaru Bunch.	High yield at Mokwa.
300247.	VS 591.	Zaria Runner.	Constricted, non-beaked pods.

300248 to 300255. LENS CULINARIS Medic. Leguminosae.**Lentil.**

From the Syrian Arab Republic. Seeds presented by the United States Consulate General, Aleppo. Received Aug. 18, 1964.

- 300248.** Grade one Hassey red lentils from Hass Mountains south of Aleppo. Seeds small, storage durability excellent; yield above average; does not cook well first year.
- 300249.** Grade one Kurdish white lentils from Kurdish Mountains north of Aleppo. Seeds large, storage durability average; production yield average; cooks very well.
- 300250.** Grade one plain red lentils from north of Aleppo. Seeds small, storage durability average; production yield high; cooks well.
- 300251.** Grade two Hassey red lentils from Hass Mountains south of Aleppo. Seeds small, storage durability excellent; low percentage of foreign matter; yield above average; does not cook well.
- 300252.** Grade two Kurdish white lentils from Kurdish Mountains north of Aleppo. Seeds large, storage durability average; production yield average; cooks very well.
- 300253.** Grade two plain red lentils from north of Aleppo. Seeds small, storage durability average; high percentage of foreign matter; production yield high; cooks well.
- 300254.** Grade two plain red lentils from east of Aleppo. Seeds small, storage durability above average; high percentage of foreign matter; production yield very low; does not cook well.
- 300255.** Grade three of Kurdish white lentils from Kurdish Mountains north of Aleppo. Seeds large, storage durability average; high percentage of foreign matter; production yield average; cooks very well.

300256 and 300257.

From the Republic of South Africa. Seeds presented by the Citrus and Subtropical Fruit Research Institute, Nelspruit. Received Aug. 19, 1964.

- 300256.** CITRUS (hybrid). Rutaceae.
Poncirus trifoliata × *Citrus* sp. 'Cleopatra 639'.
- 300257.** CITRUS sp. Rutaceae.
'Tomango 86'.

300258 and 300259.

From the Netherlands. Scions presented by the Plantenziektenkundige Dienst, Wageningen. Received Aug. 20, 1964.

- 300258.** MALUS SYLVESTRIS Mill. Rosaceae.
'Belle de Boskoop'. **Common apple.**
- 300259.** PRUNUS DOMESTICA L. Rosaceae.
'Pocegaca'. **Common plum.**

300260 to 300556.

From Brazil. Seeds presented by the Estudo da Pastagem Nativa no Rio Grande do Sul, Porto Alegre. Received Aug. 20, 1964.

- 300260 to 300475.** PASPALUM DILATATUM Poir. Gramineae. **Dallisgrass.**
- 300260 to 300285.** Sao Gabriel.
- | | |
|-----------------------------|-----------------------------|
| 300260. Clone No. 3 | 300263. Clone No. 7. |
| 300261. Clone No. 4. | 300264. Clone No. 8. |
| 300262. Clone No. 6. | 300265. Clone No. 9. |

300260 to 300556—Continued

300260 to 300495—Continued

300260 to 300285—Continued

300266. Clone No. 10.	300276. Clone No. 21.
300267. Clone No. 11.	300277. Clone No. 22.
300268. Clone No. 12.	300278. Clone No. 23.
300269. Clone No. 13.	300279. Clone No. 24.
300270. Clone No. 14.	300280. Clone No. 26.
300271. Clone No. 16.	300281. Clone No. 35.
300272. Clone No. 17.	300282. Clone No. 36.
300273. Clone No. 18.	300283. Clone No. 37.
300274. Clone No. 19.	300284. Clone No. 38.
300275. Clone No. 20.	300285. Clone No. 39.

300286. Clone No. 39.	Vacaria.
300287. Clone No. 40.	Sao Gabriel.
300288. Clone No. 41.	Sao Gabriel.
300289. Clone No. 42.	Sao Gabriel.
300290. Clone No. 44.	Sao Gabriel.
300291. Clone No. 44.	Vacaria.
300292. Clone No. 45.	Sao Gabriel.
300293. Clone No. 45.	Vacaria.
300294. Clone No. 46.	Sao Gabriel.
300295. Clone No. 46.	Vacaria.
300296. Clone No. 47.	Sao Gabriel.
300297. Clone No. 47.	Vacaria.
300298. Clone No. 49.	Sao Gabriel.
300299. Clone No. 50.	Sao Gabriel.
300300. Clone No. 51.	Sao Gabriel.
300301. Clone No. 52.	Sao Gabriel.
300302. Clone No. 54.	Sao Gabriel.
300303. Clone No. 60.	Sao Gabriel.
300304. Clone No. 60.	Vacaria.
300305. Clone No. 61.	Sao Gabriel.
300306. Clone No. 62.	Sao Gabriel.
300307. Clone No. 64.	Sao Gabriel.
300308. Clone No. 64.	Vacaria.
300309. Clone No. 66.	Sao Gabriel.

300310 to 300340. Vacaria.

300310. Clone No. 69.	300315. Clone No. 82.
300311. Clone No. 75.	300316. Clone No. 85.
300312. Clone No. 77.	300317. Clone No. 87.
300313. Clone No. 79.	300318. Clone No. 89.
300314. Clone No. 80.	300319. Clone No. 90.

300260 to 300556—Continued**300260 to 300495—Continued****300310 to 300340—Continued**

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|-------------------|----------------|----------------|----------------|
| 300320. | Clone No. 91. | 300331. | Clone No. 107. |
| 300321. | Clone No. 94. | 300332. | Clone No. 110. |
| 300322. | Clone No. 95. | 300333. | Clone No. 111. |
| 300323. | Clone No. 96. | 300334. | Clone No. 113. |
| 300324. | Clone No. 97. | 300335. | Clone No. 114. |
| 300325. | Clone No. 98. | 300336. | Clone No. 115. |
| 300326. | Clone No. 99. | 300337. | Clone No. 118. |
| 300327. | Clone No. 100. | 300338. | Clone No. 123. |
| 300328. | Clone No. 102. | 300339. | Clone No. 130. |
| 300329. | Clone No. 103. | 300340. | Clone No. 137. |
| 300330. | Clone No. 105. | | |
| 300341. | Clone No. 138. | Uruguaiiana. | |
| 300342. | Clone No. 138. | Vacaria. | |
| 300343. | Clone No. 139. | Uruguaiiana. | |
| 300344. | Clone No. 139. | Vacaria. | |
| 300345. | Clone No. 140. | Uruguaiiana. | |
| 300346. | Clone No. 140. | Uruguaiiana-4. | |
| 300347. | Clone No. 141. | Vacaria. | |
| 300348. | Clone No. 143. | Uruguaiiana. | |
| 300349. | Clone No. 144. | Uruguaiiana. | |
| 300350. | Clone No. 145. | Uruguaiiana. | |
| 300351. | Clone No. 145. | Vacaria. | |
| 300352. | Clone No. 147. | Uruguaiiana. | |
| 300353. | Clone No. 147. | Vacaria. | |
| 300354. | Clone No. 148. | Uruguaiiana. | |
| 300355. | Clone No. 148. | Vacaria. | |
| 300356. | Clone No. 149. | Uruguaiiana. | |
| 300357. | Clone No. 150. | Uruguaiiana. | |
| 300358. | Clone No. 150. | Vacaria. | |
| 300359. | Clone No. 151. | Uruguaiiana. | |
| 300360. | Clone No. 153. | Uruguaiiana. | |
| 300361. | Clone No. 154. | Uruguaiiana. | |
| 300362. | Clone No. 155. | Sao Gabriel. | |
| 300363 to 300369. | Uruguaiiana. | | |
| 300363. | Clone No. 155. | | |
| 300364. | Clone No. 158. | | |
| 300365. | Clone No. 159. | | |
| 300366. | Clone No. 160. | | |
| 300367. | Clone No. 161. | | |
| 300368. | Clone No. 162. | (N.F.). | |
| 300369. | Clone No. 163. | (N.F.). | |

300260 to 300556—Continued**300260 to 300495—Continued**

- 300370. Clone No. 164. Vacaria.
- 300371. Clone No. 167. Uruguaiana.
- 300372. Clone No. 167. Vacaria.
- 300373. Clone No. 168. Uruguaiana.
- 300374. Clone No. 172. (N.F.) Uruguaiana.
- 300375. Clone No. 175. (N.F.) Uruguaiana.
- 300376. Clone No. 178. (N.F.) Uruguaiana.
- 300377. Clone No. 179. (N.F.) Uruguaiana.
- 300378. Clone No. 180. (N.F.) Uruguaiana.
- 300379. Clone No. 181. Uruguaiana.
- 300380. Clone No. 182. (N.F.) Uruguaiana.
- 300381. Clone No. 183. Uruguaiana.
- 300382. Clone No. 184. Uruguaiana.
- 300383. Clone No. 185. (N.F.) Uruguaiana.
- 300384. Clone No. 186. (N.F.) Uruguaiana.
- 300385. Clone No. 187. (N.F.) Uruguaiana.
- 300386. Clone No. 188. (N.F.) Uruguaiana.
- 300387. Clone No. 189. (N.F.) Uruguaiana.
- 300388. Clone No. 190. Vacaria.
- 300389. Clone No. 191. (N.F.) Uruguaiana.
- 300390. Clone No. 193. (N.F.) Uruguaiana.
- 300391. Clone No. 194. (N.F.) Uruguaiana.
- 300392. Clone No. 196. (N.F.) Uruguaiana.
- 300393. Clone No. 197. (N.F.) Bage.
- 300394. Clone No. 199. (N.F.) Bage.
- 300395. Clone No. 199. Vacaria.
- 300396. Clone No. 200. (N.F.) Bage.
- 300397. Clone No. 201. (N.F.) Bage.
- 300398. Clone No. 202. (N.F.) Bage.
- 300399. Clone No. 292. Vacaria.
- 300400. Clone No. 203. (N.F.) Bage.
- 300401. Clone No. 203. Vacaria.
- 300402. Clone No. 204. (N.F.) Pelotas.
- 300403. Clone No. 204. Vacaria.
- 300404. Clone No. 205. Vacaria.
- 300405. Clone No. 206. (N.F.) Pelotas.
- 300406. Clone No. 206. Vacaria.
- 300407. Clone No. 207. (N.F.) Pelotas.
- 300408. Clone No. 207. Vacaria.
- 300409. Clone No. 208. Vacaria.
- 300410. Clone No. 209. (N.F.) Pelotas.

300260 to 300556—Continued**300260 to 300495—Continued**

- 300411.** Clone No. 209. Vacaria.
300412. Clone No. 210. Vacaria.
300413. Clone No. 211. Vacaria.
300414. Clone No. 212. (N.F.) Pelotas.
300415. Clone No. 212. Vacaria.
300416. Clone No. 213. (N.F.) Pelotas.
300417. Clone No. 214. (N.F.) Pelotas.
300418. Clone No. 214. Vacaria.
300419 to 300446. Pelotas.
300419. Clone No. 215. (N.F.). **300433.** Clone No. 232.
300420. Clone No. 216. (N.F.). **300434.** Clone No. 233.
300421. Clone No. 217. (N.F.). **300435.** Clone No. 234.
300422. Clone No. 218. (N.F.). **300436.** Clone No. 235/54.
300423. Clone No. 219. (N.F.). **300437.** Clone No. 236.
300424. Clone No. 220. (N.F.). **300438.** Clone No. 239.
300425. Clone No. 221. (N.F.). **300439.** Clone No. 241.
300426. Clone No. 223. (N.F.). **300440.** Clone No. 243.
300427. Clone No. 225. (N.F.). **300441.** Clone No. 245.
300428. Clone No. 226. (N.F.). **300442.** Clone No. 247.
300429. Clone No. 227. (N.F.). **300443.** Clone No. 248.
300430. Clone No. 228. (N.F.). **300444.** Clone No. 250.
300431. Clone No. 229. (N.F.). **300445.** Clone No. 255.
300432. Clone No. 230. **300446.** Clone No. 256.
300447. Clone No. 809. (N.F.) Bage.
300448. Clone No. 810. (N.F.) Bage.
300449. Clone No. 811. (N.F.) Bage.
300450. Clone No. 812. (N.F.) Bage.
300451. Clone No. 813. (N.F.) Bage.
300452. Clone No. 815. (N.F.) Bage.
300453. Clone No. 843. (N.F.) Bage.
300454. Clone No. 844. (N.F.) Bage.
300455. Clone No. 845. (N.F.) Bage.
300456. Clone No. 846. (N.F.) Bage.
300457. Clone No. 847. (N.F.) Bage.
300458. Clone No. 848. (N.F.) Bage.

300459 to 300475. From plants having yellow anthers.

All are from Vacaria.

- 300459.** Clone No. 72. **300463.** Clone No. 121.
300460. Clone No. 73. **300464.** Clone No. 122.
300461. Clone No. 110. **300465.** Clone No. 123.
300462. Clone No. 116. **300466.** Clone No. 127.

300260 to 300556—Continued**300260 to 300495—Continued****300459 to 300475—Continued**

300467. Clone No. 134.	300472. Clone No. 193.
300468. Clone No. 161.	300473. Clone No. 198.
300469. Clone No. 162.	300474. Clone No. 200.
300470. Clone No. 164.	300475. Clone No. 201.
300471. Clone No. 186.	

300476 to 300549. PASPALUM PAUCICILIATUM (Parodi) Herter**300476 to 300502. Sao Gabriel.**

300476. Clone No. 1.	300490. Clone No. 25.
300477. Clone No. 2.	300491. Clone No. 26.
300478. Clone No. 4.	300492. Clone No. 27.
300479. Clone No. 5.	300493. Clone No. 29.
300480. Clone No. 6.	300494. Clone No. 30.
300481. Clone No. 8.	300495. Clone No. 31.
300482. Clone No. 9.	300496. Clone No. 32.
300483. Clone No. 11.	300497. Clone No. 36.
300484. Clone No. 13.	300498. Clone No. 39.
300485. Clone No. 14.	300499. Clone No. 42.
300486. Clone No. 15.	300500. Clone No. 44.
300487. Clone No. 16.	300501. Clone No. 50.
300488. Clone No. 17.	300502. Clone No. 55.
300489. Clone No. 22.	

300503 to 300539. Vacaria.

300503. Clone No. 361.	300522. Clone No. 384.
300504. Clone No. 362.	300523. Clone No. 385.
300505. Clone No. 364.	300524. Clone No. 386.
300506. Clone No. 366.	300525. Clone No. 387.
300507. Clone No. 367.	300526. Clone No. 389.
300508. Clone No. 369.	300527. Clone No. 391.
300509. Clone No. 370.	300528. Clone No. 392.
300510. Clone No. 371.	300529. Clone No. 393.
300511. Clone No. 372.	300530. Clone No. 394.
300512. Clone No. 373.	300531. Clone No. 395.
300513. Clone No. 374.	300532. Clone No. 397.
300514. Clone No. 375.	300533. Clone No. 398.
300515. Clone No. 376.	300534. Clone No. 401.
300516. Clone No. 377.	300535. Clone No. 403.
300517. Clone No. 378.	300536. Clone No. 404.
300518. Clone No. 379.	300537. Clone No. 406.
300519. Clone No. 381.	300538. Clone No. 408.
300520. Clone No. 382.	300539. Clone No. 409.
300521. Clone No. 383.	

300260 to 300556—Continued**300476 to 300549—Continued****300540 to 300549. N.FAC.**

- 300540. Clone No. 630.
- 300541. Clone No. 631.
- 300542. Clone No. 639.
- 300543. Clone No. 640.
- 300544. Clone No. 643.
- 300545. Clone No. 644.
- 300546. Clone No. 645.
- 300547. Clone No. 622. (N.F.) Montenegro.
- 300548. Clone No. 664. (N.F.) Montenegro.
- 300549. Clone No. 668. (N.F.) Montenegro.

300550 to 300555. PASPALUM URVILLEI Steud.**Vaseygrass.**

- 300550. Clone No. 131. Vacaria. Tipo Riogradense.
- 300551. Clone No. 149. Vacaria.
- 300552. Clone No. 182. Vacaria.
- 300553. Clone No. 188. Vacaria. Tipo Riogradense.
- 300554. Clone No. 195. Varcaria.
- 300555. Clone No. 197. Varcaria.

300556. PASPALUM sp.

Clone No. 191. Vacaria.

300557. AVERRHOA BILIMBI L. Oxalidaceae.**Bilimbi.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Aug. 24, 1964.

300558 to 300565. LENS CULINARIS Medic. Leguminosae.**Lentil.**

From Lebanon. Seeds presented by the United States Embassy, Beirut. Received Aug. 24, 1964.

Red lentils from Bekaa valley.

- 300558. No. 1. Ayn Kfarzabad village.
- 300559. No. 2. Doures village.
- 300560. No. 3. Talya village.
- 300561. No. 4. Talya village.
- 300562. No. 5. Taybi village.
- 300563. No. 6. Turbal village.

White lentils from Bekaa valley.

- 300564. No. 1. Doures village.
- 300565. No. 2. Taybi village.

300566 to 300584.

From the Union of Soviet Socialist Republics. Seeds presented by the Botanical Garden, Kabardino-Balkarian State University, Nalchik. Received Aug. 25, 1964.

- 300566. ALLIUM VICTORIALIS L. Liliaceae.

300567. *BROMUS OXYODON* Schrenk Gramineae.
 300568. *BROMUS VARIEGATUS* Bieb.
 300569. *BUXUS* sp. Buxaceae.
 300570. *CARPINUS* sp. Betulaceae.
 300571. *COTONEASTER INTEGERRIMA* Medic. Rosaceae. **European cotoneaster.**
 300572. *COTONEASTER MELANOCARPA* Lodd.
 300573. *DIANTHUS ARMERIA* L. Caryophyllaceae.
 300574. *HORDEUM VIOLACEUM* Boiss. & Hohen. Gramineae.
 300575. *HYPERICUM INODORUM* Mill. Guttiferae. **St.-Johns-wort.**
 300576. *IRIS SULPHUREA* Koch Iridaceae.
 300577. *LILIUM MONADELPHUM* Bieb. Liliaceae. **Great Caucasian lily.**
 300578. *MEDICAGO FALCATA* L. Leguminosae. **Yellow-flowered alfalfa.**
 Perennial.

300579. *MELICA TRANSSILVANICA* Schur Gramineae. **Melic.**
 300580. *ONOBRYCHIS VASSILCZENKOI* Grossheim Leguminosae.
 300581. *PRUNUS LAUROCERASUS* L. Rosaceae. **English cherry-laurel.**
 300582. *RHODODENDRON CAUCASICUM* Pall. Ericaceae. **Caucasian rhododendron.**
 300583. *SAMBUCUS NIGRA* L. Caprifoliaceae. **European elder.**
 300584. *VIBURNUM LANTANA* L. Caprifoliaceae. **Wayfaring-tree.**

300585 to 300596. *ARACHIS HYPOGAEA* L. Leguminosae.

From Vietnam. Seeds presented by the United States Operations Mission, Saigon. Received Aug. 25, 1964.

From the Eakmat Experiment Station, Banmethuot, Vietnam.

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| 300585. 'Argentine'. | 300591. 'North Carolina 2'. |
| 300586. 'Florispán'. | 300592. 'Spanish Bunch'. |
| 300587. 'Giay', "Bien-Hoa". | 300593. 'Spanish 139'. |
| 300588. 'Moket'. | 300594. 'Tainan No. 7'. |
| 300589. 'Mwitunde'. | 300595. 'Tsi-Qui'. |
| 300590. 'Natal Common'. | 300596. 'Va. Bunch'. |

300597 to 300649.

From Brazil. Seeds presented by Edgar Ribas, Lions Club, Curitiba, Parana. Received Aug. 27, 1964.

300597. *ACACIA PODALYRIIFOLIA* A. Cunn. ex Don Leguminosae. **Pearl acacia.**
 300598. *ACACIA TRINERVATA* Sieber ex DC.
 300599. *ARCHONTOPHOENIX* sp. Palmae.
 300600. *ASPIDOSPERMA RAMIFLORUM* Muell.-Arg. Apocynaceae.
 300601. *ASTRONIUM BALANSAE* Engl. Anacardiaceae.
 300602. *ASTRONIUM URUNDEUVA* (Allemao) Engl.
 300603. *BALFOURODENDRON RIEDELIANUM* Engl. Rutaceae.
 300604. *BOMBAX CYATHOPHORUM* (Casar.) K. Schum. Bombacaceae.
 300605. *CAESALPINIA SPINOSA* (Mol.) Kuntze Leguminosae.

300597 to 300649—Continued

300606. *CARYOTA URENS* L. Palmae. **Toddy palm.**
 300607. *CASSIA ALATA* L. Leguminosae. **Ringworm cassia.**
 300608. *CASSIA FISTULA* L. **Golden-shower.**
 300609. *CASSIA MULTIJUGA* L. C. Rich.
 300610. *CASSIA* sp.
 300611. *CENTROLOBIUM ROBUSTUM* (Vell.) Mart. ex Benth. Leguminosae.
 300612. *CHLOROPHORA TINCTORIA* (L.) Gaud. Moraceae.
 300613. *CHORISIA SPECIOSA* St. Hil. Bombacaceae. **Floss-silk tree.**
 300614. *CHRYSALIDOCARPUS LUTESCENS* (Bory) Wendl. Palmae. **Yellow palm.**
 300615. *CITHAREXYLUM MYRIANTHUM* Cham. Verbenaceae.
 300616. *CUPRESSUS SEMPERVIRENS* L. Pinaceae. **Italian cypress.**
 300617. *DALBERGIA* sp. Leguminosae.
 300618. *DRIMYS WINTERI* Forst. Magnoliaceae. **Wintersbark drimys.**
 300619. *ENTEROLOBIUM CONTORTISILIQUUM* (Vell.) Morong. Leguminosae. **Timbo.**
 300620. *ERYTHRINA FALCATA* Benth. Leguminosae. **Coraltree.**
 300621. *ESENBECKIA LEOCARPA* Engl. Rutaceae.
 300622. *EUCALYPTUS ROBUSTA* J. E. Smith Myrtaceae. **Brown gum.**
 300623. *EUCALYPTUS SALIGNA* J. E. Smith
 300624. *EUPLASSAN CANTAREIRAE* Sleum. Proteaceae.
 300625. *EUTERPE EDULIS* Mart. Palmae. **Para palm.**
 300626. *HOVENIA DULCIS* Thunb. Rhamnaceae. **Raisin tree.**
 300627. *JACARANDA ACUTIFOLIA* Humb. & Bonpl. Bignoniaceae.
 300628. *LITHRAEA* sp. Anacardiaceae.
 300629. *MACHAERIUM VILLOSUM* Vog. Leguminosae.
 300630. *METRODOREA PUBESCENS* St. Hil. & Tul. Rutaceae.
 300631. *MIMOSA BIMUCRONATA* (DC.) Kuntze Leguminosae.
 300632. *MYROXYLON PERUIFERUM* L. f. Leguminosae.
 300633. *ORMOSIA ARBOREA* (Vell.) Harms Leguminosae.
 300634. *PELTOPHORUM DUBIUM* (Spreng.) Taub. Leguminosae.
 300635. *PIPTADENIA COLUBRINA* (Vell.) Benth. Leguminosae.
 300636. *PIPTADENIA MACROCARPA* Benth.
 300637. *PIPTADENIA* sp.
 300638. *PITTOSPORUM UNDULATUM* Vent. Pittosporaceae. **Orange pittosporum.**
 300639. *PLATYSCYAMUS* sp. Leguminosae.
 300640. *PTEROGYNE NITENS* Tulasne Leguminosae.
 300641. *SAPINDUS SAPONARIA* L. Sapindaceae. **Southern soapberry.**
 300642. *SCHINUS TEREBINTHIFOLIUS* Raddi. Anacardiaceae. **Brazilian peppertree.**
 300643. *SCHIZOCALYX* sp. Rubiaceae.
 300644. *TAXODIUM DISTICHUM* (L.) Rich. Pinaceae.
 300645. *TECTONA GRANDIS* L. f. Verbenaceae. **Teak.**

300597 to 300649—Continued

300646. *TERMINALIA ARGENTEA* Mart. Combretaceae.

300647. (Undetermined.)

A legume.

300648. (Undetermined.)

Seeds large winged.

300649. (Undetermined.)

Seeds small somewhat conical, brown.

300650 to 300654. *SORGHUM BICOLOR* (L.) Moench Gramineae.

From Nigeria. Seeds presented by the Institute for Agricultural Research, Ahmadu Bello University, Zaria. Received Aug. 28, 1964.

300650. 'Caffra'. ex Biye.

300653. 'Shabul'.

300651. KYG 5760-3-10.

300654. SK 5912.

300652. SFF 60.

300655 to 300686. *PHAESOLUS VULGARIS* L. Leguminosae.**Common bean.**

From Chile. Seeds presented by the Ministerio de Agricultura, Santiago. Received Aug. 28, 1964.

Seeds black.

300655. 'Beurre du Paulinat'.

300656. 'Beurre Nain Merville Marche'.

300657. 'Beurre Nain du Mont'.

300658. 'Beurre Sure Crop'.

300659. 'Carnaval de Venecia'.

300660. CCGB-44.

300661. 'Chiapas-4-A'.

300662. 'Cubanos'.

300663. 'Dargel'.

300664. 'Fiske by Harcot Nain Sans Fils'.

300665. 'Liguedeux'.

300666. 'Maravilla de Venecia.'

300667. 'Mulatos'.

300668. 'Negro Argel'.

300669. 'Negro de Cuba'.

300670. 'Negro de Guatemala'.

300671. 'Noir Hatif de Belgique'.

300672. 'Nouvel Ermitage'.

300673. No. 20.

300674. No. 55.

300675. No. 71-B.

300676. No. 74.

300677. 'Ricos'.

300678. 'Ricos-2015'.

300679. 'Roi de Belges'.

300655 to 300686—Continued

300680. 'Saint Marcellin'.
 300681. 'Sin Nombre 6'.
 300682. 'Tous Les Jour'.
 300683. 'Veracrus 1-A'.
 300684. 'Burros' × 'Frutilla-38'.
 300685. 'Red Kidney' × 'Caballeros 1641-38A'.
 Seeds light tan with dark tan stripe.
 300686. 'Zepelin'.

300687 to 300693.

From Great Britain. Scions presented by the East Malling Research Station, Maidstone, Kent, England. Received Sept. 1, 1964.

300687. *CYDONIA OBLONGA* Mill. Rosaceae. **Quince.**
 'Quince C-7/1'.
 300688 and 300689. *MALUS SYLVESTRIS* Mill. Rosaceae. **Common apple.**
 300688. 'Cox'.
 300689. 'Lord Lambourne M 139'.
 300690. *PRUNUS DOMESTICA* L. Rosaceae. **Common plum.**
 'Cambridge Gage'.
 300691 to 300693. *PYRUS COMMUNIS* L. Rosaceae. **Pear.**
 300691. 'Bourre Hardy B.345'.
 300692. 'Comice'.
 300693. 'Williams Bon Chretien'.

300694 to 300917.

From Oklahoma. Seeds presented by Oklahoma State University, Stillwater, Okla. Numbered Sept. 8, 1964.

300694. *CHLORIS PYCNOTHRIX* Trin. Gramineae.
 A-3698. Ethiopia.
 300695 and 300696. *ANDROPOGON DISTACHYUS* L. Gramineae.
 300695. A-4254. Louisiana.
 300696. A-7259. Hungary.
 300697 and 300698. *ANDROPOGON GERARDII* Vitm. **Big bluestem.**
 300697. A-2592. Oklahoma.
 300698. A-7062. Hungary.
 300699 and 300700. *ANDROPOGON SCHIRENSIS* Hochst. ex A. Rich. **Broomsedge.**
 300699. A-4584. Belgian Congo.
 300700. A-7717. South Africa.
 300701. *ANDROPOGON VIRGINICUS* L.
 A-4258. Louisiana.
 300702. *ANDROPOGON* sp.
 A-3233. Ethiopia.
 300703. *ANDROPOGON* sp.
 A-3732. Carnescim.

300694 to 300917—Continued

- 300704.** HYPARRHENIA HIRTA (L.) Stapf Gramineae.
A-7513.
- 300705.** ANDROPOGON sp. Gramineae.
A-9996. South Africa.
- 300706.** APLUDA VARIA Hack. Gramineae.
A-5313. India.
- 300707 to 300711.** BOTHRIOCHLOA BARBINODIS (Lag.) Herter Gramineae.
300707. A-3670. India. **300710.** A-6095. Texas.
300708. A-4085. Hawaii. **300711.** A-8257. Mexico.
300709. A-4606. Argentina.
- 300712.** BOTHRIOCHLOA CAUCASICA (Trin.) C. E. Hubb.
A-7700.
- 300713 to 300720.** BOTHRIOCHLOA DECIPIENS (Hack.) C. E. Hubb.
300713. A-4598. Australia. **300717.** A-7501. Australia.
300714. A-4611. Australia. **300718.** A-7545. Australia.
300715. A-5421. Australia. **300719.** A-8133. Australia.
300716. A-6510. Australia. **300720.** A-8134. Australia.
- 300721.** BOTHRIOCHLOA ERIANTHOIDES (F. Muell.) C. E. Hubb.
A-5786.
- 300722 to 300724.** BOTHRIOCHLOA EWARTIANA (Domin.) C. E. Hubb.
300722. A-5803. Australia.
300723. A-6137. Australia.
300724. A-6138. Australia.
- 300725 to 300728.** BOTHRIOCHLOA GLABRA (Roxb.) A. Camus
300725. A-2585. Malay. **300727.** A-6149. India.
300726. A-5404. India. **300728.** A-7558. New Guinea.
- 300729 to 300732.** BOTHRIOCHLOA INSCULPTA (Hochst.) A. Camus
300729. A-4624. Southern Rhodesia.
300730. A-5194.
300731. A-7473. South Africa.
300732. A-8588. South Africa.
300733 to 300915. BOTHRIOCHLOA INTERMEDIA (R. Br.) A. Camus
Australian bluestem.

<i>P.I. Nos.</i>	<i>"A" Nos.</i>	<i>Origin</i>
300733.	2651.	Tanganyika.
300734.	2654.	British Guiana.
300735.	3726.	Australia.
300736.	4021.	Texas.
300737.	4028.	Texas.
300738.	4090.	Texas.
300739.	4293.	Trinidad.
300740.	4393.	India.
300741.	4442.	South Africa.

300694 to 300917—Continued

300733 to 300915—Continued

<i>P.I. Nos.</i>	<i>"A" Nos.</i>	<i>Origin</i>
300742.	4592.	India.
300743.	4596.	Australia.
300744.	4597.	Australia.
300745.	4634.	Pakistan.
300746.	4635.	Pakistan.
300747.	4636.	Pakistan.
300748.	4797.	Belgian Congo.
300749.	4806.	India.
300750.	4820.	India.
300751.	4825.	India.
300752.	4896.	United States.
300753.	5168-B.	United States.
300754.	5297.	United States.
300755.	5301-B.	United States.
300756.	5400.	
300757.	5401-A.	India.
300758.	5401-B.	
300759.	5402.	
300760.	5407.	India.
300761.	5408.	India.
300762.	5409.	
300763.	5450.	
300764.	5592.	Fiji Islands.
300765.	5593.	Fiji Islands.
300766.	5594.	Fiji Islands.
300767.	5598.	Fiji Islands.
300768.	6097.	Texas.
300769.	6363.	
300770.	6511.	
300771.	6561.	Australia.
300772.	6838.	
300773.	6841.	India.
300774.	6878.	Virgin Islands.
300775.	7010.	Pakistan.
300776.	7055.	
300777.	7154.	India.
300778.	7232.	India.
300779.	7454.	Alabama.
300780.	7457.	
300781.	7460.	Louisiana.
300782.	7462.	Alabama.

300694 to 300917—Continued

300733 to 300915—Continued

<i>P.I. Nos.</i>	<i>"A" Nos.</i>	<i>Origin</i>
300783.	7547.	Australia.
300784.	7548.	Australia.
300785.	7550.	Australia.
300786.	7551.	Australia.
300787.	7555.	Australia.
300788.	7557.	New Guinea.
300789.	7765.	
300790.	7768.	
300791.	7813.	Australia.
300792.	7815.	Australia.
300793.	7959.	Australia.
300794.	8295.	India.
300795.	8297.	India.
300796.	8298.	India.
300797.	8526.	
300798.	8858-A.	
300799.	8859-A.	
300800.	8860.	
300801.	8861-A.	
300802.	8861-C.	
300803.	8863-A.	
300804.	8863-B.	
300805.	8864.	
300806.	8865.	
300807.	8865-B.	
300808.	8866-B.	
300809.	8867-A.	
300810.	8867-B.	
300811.	8874.	
300812.	8875-A.	
300813.	8875-B.	
300814.	8895.	
300815.	8899-C.	
300816.	8900.	
300817.	8902-B.	
300818.	8904-B.	
300819.	8905.	
300820.	8907-A.	
300821.	8930.	
300822.	8937-E.	
300823.	8942-A.	

300694 to 300917—Continued**300733 to 300915—Continued**

<i>P.I. Nos.</i>	<i>"A" Nos.</i>	<i>Origin</i>
300824.	8942-B.	
300825.	8943-A.	
300826.	8943-B.	
300827.	8944.	
300828.	8945-A.	
300829.	2946-A.	
300830.	8946-B.	
300831.	8946-C.	
300832.	8947-A.	
300833.	8947-B.	
300834.	8948.	
300835.	8949-A.	
300836.	8950-A.	
300837.	8950-B.	
300838.	8951-A.	
300839.	8951-B.	
300840.	8951-C.	
300841.	8952.	
300842.	8953.	
300843.	8954-B.	
300844.	8955-A.	
300845.	8955-B.	
300846.	8956-A.	
300847.	8956-B.	
300848.	8957-A.	
300849.	8957-B.	
300850.	8958.	
300851.	8959.	
300852.	8960.	
300853.	8961.	
300854.	8962.	
300855.	8963.	
300856.	8964.	
300857.	8965.	
300858.	8966-A.	
300859.	8966-B.	
300860.	8967.	
300861.	8968-A.	
300862.	8969-B.	
300863.	8971.	
300864.	8972-B.	

300694 to 300917—Continued

300733 to 300915—Continued

<i>P.I. Nos.</i>	<i>"A" Nos.</i>	<i>Origin</i>
300865.	8973.	
300866.	8974.	
300867.	8975.	
300868.	8976.	
300869.	8977.	
300870.	8977-B.	
300871.	8978-A.	
300872.	8979-B.	
300873.	9026.	
300874.	9064.	
300875.	9067.	Pakistan.
300876.	9068.	Pakistan.
300877.	9069.	Pakistan.
300878.	9070.	Pakistan.
300879.	9071.	Pakistan.
300880.	9072.	
300881.	9073.	Pakistan.
300882.	9074.	Pakistan.
300883.	9075.	Pakistan.
300884.	9076.	Pakistan.
300885.	9077.	Pakistan.
300886.	9078.	Pakistan.
300887.	9079.	Pakistan.
300888.	9080.	Pakistan.
300889.	9081.	Pakistan.
300890.	9082.	Pakistan.
300891.	9083.	Pakistan.
300892.	9085.	Pakistan.
300893.	9111.	
300894.	9115.	Pakistan.
300895.	9410.	India.
300896.	9420.	
300897.	9504.	
300898.	9677.	
300899.	9678.	
300900.	9678-A.	
300901.	9679.	
300902.	O-607.	India.
300903.	O-613.	India.
300904.	O-619.	Thailand.
300905.	O-625.	China.

300694 to 300917—Continued**300733 to 300915—Continued**

<i>P.I. Nos.</i>	<i>"A" Nos.</i>	<i>Origin</i>
300906.	O-731.	Australia.
300907.	O-732.	Australia.
300908.	O-735.	Australia.
300909.	O-736.	Australia.
300910.	O-785.	Australia.
300911.	O-796.	Australia.
300912.	O-806.	Australia.
300913.	O-846.	Australia.
300914.	O-884.	Australia.
300915.	O-900.	Australia.
300916.	BOTHRIOCHLOA INTERMEDIA (R. Br.) A. Camus Australian bluestem.	

A-4088. Texas.

300917. BOTHRIOCHLOA sp.

A-4088-A. Texas.

300918 to 300938.

From sources indicated. Plant material now growing at the University of Florida, Gainesville, Fla. Numbered Sept. 8, 1964.

300918. DIGITARIA DECUMBENS Stent Gramineae. **Pangolagrass.**

U.F. 77. From Agronomy Farm, University of Florida, collected in 1958.

300919. DIGITARIA PENTZII Stent

U.F. 120. From Trinidad. Seeds presented by the Imperial College of Tropical Agriculture in 1959.

300920. DIGITARIA POLEVANSII Stent

U.F. 178. From Belgian Congo. Stolons collected in Yangambi in 1959.

300921. DIGITARIA ADSCENDENS (H.B.K.) Henr. **Crabgrass.**

U.F. 103. From Japan. Seeds collected in 1959 in Kyushu.

300922. DIGITARIA SMUTSII Stent

U.F. 182. From Belgian Congo. Stolons collected in Yangambi in 1959.

300923. DIGITARIA SWAZILANDENSIS Stent

U.F. 180. From Belgian Congo. Stolons collected in Yangambi in 1959.

300924 and 300925. DIGITARIA VESTITA Fig. & DeNot.

From Belgian Congo. Stolons collected in Yangambi in 1959.

300924. U.F. 170.

300925. U.F. 171.

300926. DIGITARIA sp.

U.F. 67. From Georgia. Stolons received from Coastal Plain Experiment Station, Tifton, in 1958.

300927. DIGITARIA sp.

U.F. 68. From Georgia. Stolons received from Coastal Plain Experiment Station, Tifton, in 1958.

300918 to 300938—Continued**300928. DIGITARIA sp.**

U.F. 69. From Georgia. Stolons received from Coastal Plain Experiment Station, Tifton, in 1958.

300929. DIGITARIA sp.

U.F. 70. From Georgia. Stolons received from Coastal Plain Experiment Station, Tifton, in 1958.

300930. DIGITARIA sp.

U.F. 71. From Georgia. Stolons received from Coastal Plain Experiment Station, Tifton, in 1958.

300931. DIGITARIA sp.

U.F. 72. From Georgia. Stolons received from Coastal Plain Experiment Station, Tifton, in 1958.

300932. DIGITARIA sp.

U.F. 73. From Georgia. Stolons received from Coastal Plain Experiment Station, Tifton, in 1958.

300933. DIGITARIA sp.

U.F. 74. From Georgia. Stolons received from Coastal Plain Experiment Station, Tifton, in 1958.

300934. DIGITARIA sp.

U.F. 75. From Georgia. Stolons received from Coastal Plain Experiment Station, Tifton, in 1958.

300935. DIGITARIA sp.

U.F. 84. 'Leesburg 5'. From Florida. Stolons received from Range Cattle Experiment Station, Ona, in 1959.

300936. DIGITARIA sp.

U.F. 187. 'Gotta Hills'. From Belgian Congo. Stolons collected in Yangambi in 1959.

300937. DIGITARIA sp.

U.F. 197. From Belgian Congo. Stolons collected in Ruanda Urundi in 1960.

300938. DIGITARIA sp.

U.F. 204. From Belgian Congo. Seeds collected in Kipopo in 1960.

300939. PRUNUS DOMESTICA L. Rosaceae. Common plum.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Sept. 8, 1964.

'Kabul Greengage'. Himachal Pradesh.

300940. PETUNIA (hybrid) Solanaceae.

From Great Britain. Rooted cuttings presented by the Wye College, Ashford, Kent, England. Received Sept. 9, 1964.

'Cheerful'. Selected for ability to root stem cuttings, grows well in grit culture, suitable leaf size and shape, and gives local lesion reaction to tomato "Spotted Wilt" virus.

300941. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Australia. Cuttings presented by the Northern Sugar Experiment Station, Gordanvale. Received Sept. 14, 1964.

'Q. 75'.

300942 and 300943.

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Richmond, Surrey, England. Received Sept. 14, 1964.

300942. *NEPENTHES RAFFLESIANA* Jack. Nepenthaceae.

300943. *PELARGONIUM* sp. Geraniaceae.

'Skellys Pride'.

300944. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

From the United States. Seeds presented by D. D. Dolan, now being held at the Regional Plant Introduction Station, Agricultural Experiment Station, Geneva, N.Y. Numbered Sept. 28, 1964.

Grown at Geneva in 1963. Virus tolerant. Uniformity 4, vigor 6; 17 inches high. Stems slender, twining; leaves small, pods in pairs, small. Early to midseason; flowers white, set 5; matures in 97 days. Pods flat 7.7 by 1.2 cm., straight, stringed, green. Seeds small, oval plump, white.

300945 to 300947. ARACHIS HYPOGAEA L. Leguminosae.

From Nigeria. Seeds presented by the Agricultural Research Station, Kano. Received Sept. 22, 1964.

All have white testa.

300945. 'American White'.

300946. 'Pearl'.

300947. 'Philippine White'.

300948 to 300951. TRITICUM AESTIVUM L. Gramineae.

Common wheat.

From Germany. Seeds presented by Dr. A. Lein, Heine-Peragis Getreidezucht, Einbeck. Received Sept. 22, 1964.

300948. 'Anda'.

300950. 'Hanno'.

300949. 'Bussard'.

300951. 'Perwi'.

300952. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From the Republic of South Africa. Seeds presented by the Tongaat Sugar Company, Limited. Maidstone, Natal. Received Sept. 22, 1964.

300953. PINUS PINEA L. Pinaceae. Italian stone pine.

From Italy. Seeds presented by the United States Embassy, Rome. Collected by the Italian Forest Services at Circeo National Forest. Received Sept. 22, 1964.

Lazio, Sabavdia, Latina Province. Sea level at N. lat. 41°, E. long. 12°. All seeds collected from one tree. Tree to 100 feet high. Seed ribbed, medium size to one inch long, light brown, mottled black, angular.

300954. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From the United States. Seeds produced by Louis Promos, Leesburg, Virginia. Received Sept. 22, 1964.

'Golden Nugget'. Cultivated fruit; round to oval, not ribbed, smooth to slightly netted, yellow. Flesh sweet, melting, bright green near rind shading to pale yellow or whitish toward center. Parents: Honeydew, Persian and Casaba.

300955 and 300956. CUCUMIS MELO L. Cucurbitaceae.

Muskmelon.

From Pakistan. Seeds presented by Bishop C. D. Rockey, Multan. Received Sept. 22, 1964.

300955 to 300956—Continued

300955. Local name: 'Garma'. Originally from Afghanistan.

300956. Local name: 'Sirda'. Originally from Afghanistan.

300957 to 300961.

From Mexico. Seeds collected and presented by O. F. Francke, Mexico, D. F. Received Sept. 22, 1964.

300957. HIBISCUS sp. Malvaceae.

Between Tezuitlan, Puebla and Tlapacoyan, Veracruz. Steep hillside. Elevation 1,500 meters. Rainfall 2,000 mm. Bush to 20 cm. high; flowers bell shaped; mottled red and bright yellow; rare.

300958. HIBISCUS sp.

Near Tecolutla, Veracruz. Acid soil; humid. Elevation 6 meters. Rainfall 1,500 mm. Tall bush to 4 meters high; leaves large; flowers 7.5 cm; first creamy turning pink.

300959. HIBISCUS sp.

Between Gutierrez, Zamora and Martinez de la Torre, Veracruz. Acid neutral soil; dry location. Elevation 500 meters. Rainfall 1,500–2,000 mm. Bush to 3 meters high; flowers to 2.5 cm. long; bell shaped; bright red.

300960. HIBISCUS sp.

Tuxpan, Veracruz. Dry location. Elevation 10 meters. Rainfall 1,300 mm. Weed; flowers, small, yellow.

300961. HIBISCUS sp.

Coastal highway between Cardel and Palma Sola, Veracruz. Elevation 15 meters. Rainfall 1,000 mm. Weed, to 12.5 cm. high. Stems, slender, hard and pliable.

300962. ARACHIS HYPOGAEA L. Leguminosae.

From Senegal. Seeds presented by P. Gillier, Le Chef du Department Archide I.R.H.O., Paris, France. Received Sept. 22, 1964.

White testa. Grown at Experiment Station, Daran.

300963 to 300967. LINUM USITATISSIMUM L. Linaceae. Flax.

From Australia. Seeds presented by the Division of Plant Industry, Department of Agriculture, Sydney. Received Sept. 22, 1964.

300963. 'Bonnydoon'. Reportedly drought resistant.

300964. 'Calar'.

300965. 'Hazeldean'.

300966. 'Tunis'.

300967. 'Uruguay'.

300968 to 300972.

From the United States. Seeds collected by D. D. Dolan, Regional Plant Introduction Station, Agricultural Experiment Station, Geneva, N.Y. Numbered Sept. 22, 1964.

300968 and 300969. FESTUCA RUBRA L. Gramineae. **Red fescue.**

Vigorous, leafy, disease free, with creeping ability.

300968. Col. No. G-3769-S; selection from P.I. 197323. Texture fine, uniformity and habit medium; spread to 39 inches. Medium maturity, excellent winter hardiness; good spring recovery; excellent fall recovery.

300969. Col. No. G-3770-S; selection from P.I. 200321. Texture fine, dense, spread to 29 inches. Winter hardy, drought resistant, holds color during drought. Medium maturity, excellent spring and fall recovery.

300968 to 300972—Continued

300970. *MEDICAGO SATIVA* L. Leguminosae. **Alfalfa.**

Col. No. 63-13; component of P.I. 187224, *Trifolium pratense*. Belgium. Uniformity 7; habit 4; vigor 6; size 28 by 54 inches; bending stems, zig-zag; medium leafy. Fall recovery medium; maturing late; moderately susceptible to black stem and leaf spot.

300971. *POA PRATENSIS* L. Gramineae. **Kentucky bluegrass.**

Col. No. G-11195-S; selection from P.I. 274646. Uniform, very erect; winter hardiness, vigor and spring recovery excellent; very late blooming; spread to 31 inches second year. No leaf spot.

300972. *TRIFOLIUM PRATENSE* L. Leguminosae. **Redclover.**

Col. No. G-6206-S; selection from P.I. 235867. Uniformity, habit and maturity medium; vigor, leafiness excellent; winter hardy, virus free, slight susceptibility to powdery mildew, tolerant to *Stemphylium sarcinaeforme* leaf spot.

300973. *ACTINIDIA CHINENSIS* Planch. Dilleniaceae. **Yang tao.**

From New Zealand. Scions presented by the Fruit Research Division Department of Scientific and Industrial Research, Auckland. Received April 14, 1964. Numbered Sept. 22, 1964.

'Elmwood'. No data.

300974. *SACCHARUM* (hybrid). Gramineae. **Sugarcane.**

From Iran. Cuttings presented by the Hawaiian Agronomics Co., Tehran. Received Sept. 23, 1964.

300975 to 300978.

From Argentina. Seeds presented by J. R. Pietrarelli, Seccion Mani, Instituto Nacional de Tecnologia Agropecuaria, Manfredi Station, Manfredi. Received Sept. 28, 1964.

300975. *ARACHIS GLABRATA* var. *HAGENBECKII* (Harms) F. J. Hermann Leguminosae.

Manfredi 47.

300976. *ARACHIS VILLOSA* Benth. var. *VILLOSA*

Manfredi 8.

300977. *ARACHIS* sp.

Manfredi 43.

300978. *ARACHIS* sp.

Manfredi 88.

300979 to 300983.

From Ceylon. Seeds presented by the Royal Botanic Gardens, Peradeniya. Received Sept. 28, 1964.

300979. *HIBISCUS FURCATUS* Willd. Malvaceae.

300980. *LAGERSTROEMIA TOMENTOSA* Presl. Lythraceae.

300981. *LAGERSTROEMIA TURBINATA* Koehne

300982. *LAGERSTROEMIA VILLOSA* Wall. ex Kurz

300983. *MAGNOLIA PTEROCARPA* Roxb. Magnoliaceae.

300984. *FICUS ANTITHETOPHYLLA* Steud. ex A. Rich. Moraceae.

From the Republic of South Africa. Seeds presented by Dr. L. E. Codd, Pretoria, collected by Mr. Rockford, Pafuri, Transvaal. Received Sept. 28, 1964.

Seeds appear to be plump.

300985. VITEX MONTEVIDENSIS Cham. Verbenaceae.**Chaste-tree.**

From Argentina. Seeds presented by Municipal Botanic Garden, Buenos Aires.
Received Sept. 28, 1964.

300986 to 300991.

From Israel. Seeds presented by the Volcani Institute of Agricultural Research, Cereal Crop Division, Beit Dagan. Received Sept. 28, 1964.

300986. AEGILOPS LONGISSIMA Schweinf. & Muschl. Gramineae.

300987. AEGILOPS SHARONENSIS Eig

300988. AEGILOPS SPELTOIDES Tausch

300989 and 300990. TRITICUM DICOCCOIDES Koern. Gramineae.

300989. 'Arbel'. Elevation 180 meters.

300990. Safad region. Elevation 700 to 800 meters.

300991. TRITICUM DICOCCOIDES var. **FULVOVILLOSUM** Percival
'Kurazim'.

300992 to 301006.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Sept. 28, 1964.

300992. AESCHYNOMENE SENSITIVA Sw. Leguminosae.

No. E 91.

300993 and 300994. CANAVALIA ENSIFORMIS (L.) DC. Leguminosae.

Jackbean.

300993. No. E 49.

300994. No. E 61.

300995. CROTALARIA SALTIANA Andrews Leguminosae.

No. E 19.

300996. GLYCINE KOIDZUMII Ohwi Leguminosae.

No. 53.

300997 to 300999. PHASEOLUS ATROPURPUREUS DC. Leguminosae.

300997. No. C 152.

300998. No. C 153.

300999. No. C 154.

301000 and 301001. PHASEOLUS CALCARATUS Roxb.

Rice bean.

301000. No. E 50.

301001. No. E 78.

301002. PHASEOLUS LATHYROIDES L.

No. E 22.

301003 and 301004. SESBANIA ROXBURGHII Merrill Leguminosae.

301003. No. E 70.

301004. No. E 71.

301005. STYLOSANTHES GUYANENSIS (Aubl.) Swartz Leguminosae.

No. C 29.

301006. STYLOSANTHES SUNDAICA Taub. Leguminosae.

No. E 46.

301007 to 301015. VICIA FABA L. Leguminosae. Broadbean.

From Great Britain. Seeds presented by Hurst Gunson Cooper Taber Ltd., London, England. Received Sept. 29, 1964.

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|---------------------------------|--------------------------|
| 301007. 'Aquadulce'. | 301012. 'Green Longpod'. |
| 301008. 'Bunyard's Exhibition'. | 301013. 'Green Windsor'. |
| 301009. 'Canning Master'. | 301014. 'Triple White'. |
| 301010. 'Dreadnought (Hurst)'. | 301015. 'White Windsor'. |
| 301011. 'Fillbasket'. | |

301016 to 301021. NICOTIANA TABACUM L. Solanaceae.**Tobacco.**

From Venezuela. Seeds presented by Dora M. de Zerpa, Universidad Central de Venezuela, Facultad de Agronomia, Instituto de Genetica, Maracay. Received Sept. 29, 1964.

301016 and 301017. Plants slender; internodes long; leaves long, narrow, 20 per plant.

301016. 'Guacharo Oriente'. Seeds obtained from a tobacco grower in Guacharo region.

301017. 'Guacharo USA'. Selected in United States for mosaic resistance.

301018 to 301021. Selections from a sample grown at Miranda, Carabobo State, made by Manuel Pinto.

301018. 'Solom I'. Plant to 2.5 meters; internodes 6.5-7.5 cm.; leaf apex abruptly narrowed to a beak; leaves 35-40 per plant.

301019. 'Solom II'. Plant to 2.5 meters; internodes 8-9 cm.; leaves medium length; 30 leaves per plant. Very early flowering.

301020. 'Solom III'. Plant to 2.5 meters; internodes 8-9 cm.; leaves broad, rounded, erect; leaves 30 per plant.

301021. 'Solom IV'. Plant to three meters; internodes 7-8 cm.; leaves long; leaves 40 per plant.

301022 to 301040.

From Greece. Seeds collected by P. F. Knowles, University of California, Davis, Calif. Received Sept. 29, 1964.

301022. BROMUS DANTHONIAE (Desf.) Trin. Gramineae.

Col. No. N-60. In wild 2 miles west of Arnea. Plants to 15 inches high; seeds mature.

301023. CARTHAMUS (hybrid) Compositae.

Col. No. N-56. *C. dentatus* × *C. lanatus*. Roadside, 15 miles southeast of Thessaloniki, road to Neokhorion. Plants intermediate; flowers light yellow.

301024 and 301025. CARTHAMUS LANATUS L.

301024. Col. No. N-47. Roadside, 28 miles from Athens, road to Sounion. Flowers light cream colored; pollen white.

301025. Col. No. N-49. In wild 10 miles north of Sounion. Plants to 3 feet high.

301026 to 301029. CARTHAMUS DENTATUS Vahl

301026. Col. No. N-50. Along roadside and in fields 10 miles north of Sounion. Plants to 2.5 feet high; flowers lavender.

301027. Col. No. N-55. Roadside, 15 miles southeast of Thessaloniki, road to Neokhorion. Plants typical, large headed type.

301028. Col. No. N-57. Roadside, 28 miles southeast of Thessaloniki, road to Poliauron. Plant late maturing; heads dense, short, smallish.

301022 to 301040—Continued**301026 to 301029—Continued**

301029. Col. No. N-64. In wild immediately north of Glyconerion, road to Komotini. Plant small type; flowers dark lavender.

301030 to 301037. CARTHAMUS LANATUS L.

301030. Col. No. N-46. Roadside weed, western outskirts of Varkiza, south of Athens. Plant dry; bracts abnormally long; heads seriously insect damaged.

301031. Col. No. N-48. Roadside, 10 miles north of Sounion. Plants dry, to 18 inches high, with some *C. baeticus* characteristics.

301032. Col. No. N-51. Roadside, 4 miles north of Marathon. Heads clumped; flowers and pollen yellow.

301033. Col. No. N-53. Roadside, 139 miles north of Thermopylai. Heads 0.5 inch diameter; flowers lemon yellow; pollen yellow.

301034. Col. No. N-54. Roadside, 15 miles southeast of Thessaloniki, road to Neokhorion. Heads small; flowers lemon yellow.

301035. Col. No. N-58. Roadside, 5 miles northwest of Poliourion. Plant large; flowers lemon yellow; pollen yellow.

301036. Col. No. N-59. In wild, 4 miles east of Nea Moudania. Plant large, mature, to 2 feet high.

301037. Col. No. N-63. Roadside, 17 miles northeast of Arnea, road to Olympias. Plant typical; flowers long.

301038. CARTHAMUS LEUCOCAULOS Sibth. & Smith

Col. No. N-52. In wild, 7 miles northwest of Marathon. Plants to 2 feet high; flowers rose-colored.

301039. LINUM sp. Linaceae.

Col. No. N-61. Roadside, 17 miles northeast of Arnea, road to Olympias. Plant to 12 inches high; flowers small, yellow.

301040. LINUM sp.

Col. No. N-62. Roadside, 17 miles northeast of Arnea, road to Olympias. Plant to 12 inches high; flowers small, yellow.

301041 to 301063.

From Turkey. Seeds collected by P. F. Knowles, University of California, Davis, Calif. Received Sept. 29, 1964.

301041 to 301043. CARTHAMUS DENTATUS Vahl. Compositae.

301041. Col. No. N-65. Roadside, 10 miles from Greece-Turkey border, Highway E-5 or 18. Heads small; flowers dark lavender.

301042. Col. No. N-69. Roadside, southwest of and near Kartal. Individual plant, small type.

301043. Col. No. N-75. In wild, 13 miles southeast of Afyon. Plants large, robust, a few heads in flower.

301044 to 301046. CARTHAMUS LANATUS L.

301044. Col. No. N-66. Roadside, 77 miles west of Istanbul, Highway E-5. Flowers and pollen yellow.

301045. Col. No. N-70. In wild, southwest of and near Kartal. Flowers yellow.

301046. Col. No. N-73. Roadside, 8 miles southeast of Bursa. Flowers and pollen yellow.

301047 to 301055. CARTHAMUS TINCTORIUS L.**Safflower.**

301047. Col. No. N-79. Emirdag seed store.

301041 to 301063—Continued**301047 to 301055—Continued**

301048. Col. No. N-80. Belpinal village southeast of Eskisehir. Plants cultivated.

301049 to 301055. From cultivated plants at the Research Station, Eskisehir.

301049. Col. No. N-82. Kayit 5-47.

301050. Col. No. N-83. Kayit 5-62.

301051. Col. No. N-84. Kayit 5-63.

301052. Col. No. N-85. Kayit 5-64.

301053. Col. No. N-86. Kayit 5-65.

301054. Col. No. N-87. Kayit 5-66.

301055. Col. No. N-88. Kayit 5-67.

301056. CARTHAMUS sp.

Col. No. N-67. Roadside, 47 miles west of Istanbul, Highway E-5. Flowers yellow; pollen white.

301057. CARTHAMUS sp.

Col. No. N-68. Roadside and in field, 20 miles west of Istanbul and 3 miles north of the Sea of Marmora. Flowers light lemon colored; heads large; pollen white.

301058. CARTHAMUS sp.

Col. No. N-71. In wild, southwest of but near Kartal. Flowers light yellow.

301059 and 301060. HELIANTHUS ANNUUS L. Compositae. Sunflower.

301059. Col. No. N-76. Emirdag seed store. For eating. Seeds striped.

301060. Col. No. N-77. Emirdag seed store. For oil. Seeds black.

301061. LINUM PERENNE L. Linaceae. Perennial flax.

Col. No. N-72. Roadside field 21 miles southeast of Kartal. Plants in wild, to 18 inches high.

301062. LINUM USITATISSIMUM L. Flax.

Col. No. N-78. Emirdag seed store.

301063. MEDICAGO SATIVA L. Leguminosae. Alfalfa.

Col. No. N-74. Edge of field, village of Aykirikci Altintus, near Kutahya. Plant probably prostrate type; flowers blue.

301064 to 301080.

From the United States. Plant material collected by R. L. Ticknor and W. A. Sheets, Oregon State University, now held at the North Willamette Experiment Station, Aurora, Ore. Collected November 1963. Numbered Sept. 30, 1964.

301064. ARCTOSTAPHYLOS VISCIDA Parry Ericaceae.

Col. No. 69. Roadside, 0.5 mile west of Siskiyou National Forest boundary, west of O'Brien, Josephine County, Ore. Plant to 7 feet high, 8 feet across; leaves silver green, 1.5 inches long, 0.75 inch wide.

301065 and 301066. CEANOTHUS CUNEATUS Nutt. ex T. & G. Rhamnaceae.

301065. Col. No. 65. Gravelly soil, edge of Siskiyou National Forest, 2 miles west of U.S. Highway 199 at O'Brien, Josephine County, Ore. Plants to 12 inches high and 8 feet across; leaves entire, 0.6 by 0.2 inch.

301066. Col. No. 68. Gravelly soil, edge of Siskiyou National Forest, 2 miles west of U.S. Highway 199 at O'Brien, Josephine County, Ore. Plants compact; leaves 0.65 by 0.33 inch.

301064 to 301080—Continued**301067. CEANOTHUS PROSTRATUS Benth.**

Col. No. 47. Local name: Squaw carpet. Newly logged area, 75 miles north of Lake of the Woods Junction, west side Klamath Lake Road, Klamath County, Ore. Elevation 4,400 feet. Northern most area west of Cascade Mountains summit for this species. Plant 2 by 2 feet, dense; leaves 0.97 by 0.33 inch.

301068 to 301079. CEANOTHUS PUMILUS Greene

301068. Col. No. 62. Six miles south of Cave Junction, U.S. Highway 199, Josephine County, Ore. Elevation 1,460 feet. Plants compact; leaves 0.32 by 0.125 inch.

301069. Col. No. 63. Six miles south of Cave Junction, U.S. Highway 199, Josephine County, Ore. Elevation 1,460 feet. Plants compact; leaves 0.52 by 0.2 inch.

301070. Col. No. 71. Roadside, 0.5 mile west of Siskiyou National Forest boundary, west of O'Brien, Josephine County, Ore. Plants compact; leaves 0.68 by 0.24 inch.

301071 to 301073. Southeastern slope, Hunters Creek Road, 400 feet east of U.S. Highway 101, about 100 feet above and 700 feet east of the ocean, Curry County, Ore.

301071. Col. No. 72. Leaves 0.72 by 0.28 inch; flower buds numerous.

301072. Col. No. 73. Plant compact; leaves 0.68 by 0.2 inch.

301073. Col. No. 75. Plant compact; leaves 1.04 by 0.4 inches.

301074 to 301076. Above McGibble Creek guard station, 4.5 miles east of U.S. Highway 101, Humbug Mountain State Park, Curry County, Ore.

301074. Col. No. 78. Plant compact; leaves 0.8 by 0.24 inch.

301075. Col. No. 79. Plant compact; leaves 0.52 by 0.166 inch.

301076. Col. No. 80. Plant compact; leaves 0.6 by 0.24 inch.

301077 to 301079. Iron Mountain Road, Curry County, Ore. Elevation 2,640 feet.

301077. Col. No. 83. Plant compact; leaves 0.52 by 0.2 inch.

301078. Col. No. 85. Plant compact; leaves 0.56 by 0.166 inch.

301079. Col. No. 86. Plant compact; leaves 0.72 by 0.24 inch.

301080. CEANOTHUS PROSTRATUS Benth.

Col. No. 77. Southeastern slope, Hunters Creek Road, 400 feet east of U.S. Highway 101, about 100 feet above and 700 feet east of the ocean, Curry County, Ore. Plants vigorous, annual growth to 1 foot long; leaves spiny at edge and apex, 0.92 by 0.36 inch.

301081 to 301104. HUMULUS LUPULUS L. Moraceae.**Common hop.**

From the United States. Clones collected from sources as indicated. Now growing at the Agricultural Experiment Station, Corvallis, Ore. Numbered Sept. 30, 1964.

Big Springs, Kaibab National Forest.

301081. Arizona 1-2. Male; late maturing.

301082. Arizona 1-3. Female; late.

301083. Arizona 1-4. Female; late.

Five miles NE San Louis near U.S. Highway 160.

301084. Colorado 1-1. Male; midseason.

301085. Colorado 1-2. Hermaphrodite; early maturing.

301081 to 301104—Continued

301086. Colorado 1-3. Female; early.

Thirty-five miles south of Denver near U.S. Highway 87.

301087. Colorado 2-1. Male; midseason.

301088. Colorado 2-2. Female; late.

301089. Colorado 2-3. Male; early.

Near Masonville.

301090. Colorado 3-1. Hermaphrodite; midseason.

Along Buckhorn Canyon near Fort Collins.

301091. Colorado 4-1. Male; late maturing.

301092. Colorado 5-1. Hermaphrodite; midseason.

301093. Colorado 6-1. Female; midseason.

Poudre River Canyon.

301094. Colorado 7-1. Hermaphrodite; late maturing.

301095. Colorado 7-2. Hermaphrodite; late.

Near Indian Pueblo, Taos.

301096. New Mexico 2-1. Female; late maturing.

301097. New Mexico 2-2. Female; late.

301098. New Mexico 2-3. Male; late.

301099. New Mexico 2-4. Female; early.

Near Eagle Nest.

301100. New Mexico 3-1. Female; midseason.

301101. New Mexico 3-2. Female; late maturing.

301102. New Mexico 3-3. Female; late.

301103. Wyoming 2-1. Jackson Hole. Female; midseason.

301104. Wyoming 3-1. Horticultural Field Station, Cheyenne; originally collected in Sherman Mts., 1932. Female; early maturing.

301105 to 301110.

From Turkey. Seeds collected by D. R. Cornelius, Pacific Southwest Forage and Range Experiment Station, Berkeley, Calif. Received Oct. 1, 1964.

301105. *ONOBRYCHIS ARMENA* Boiss. et Huet. Leguminosae.

Col. No. 506. Akdagmadeni, Ozau Koyu, Sivas province.

301106. *ONOBRYCHIS HYPARGYREA* Boiss.

Col. No. 526. Two kms. east of Hafik, Hafik Inekhanesi, Sivas Province.

301107 and 301108. *ONOBRYCHIS MEGATAPHROS* Boiss.

301107. Col. No. 546. Turkeslik Koyu, Sivas province.

301108. Col. No. 580. Dry hillside, Cinar Koyu, Tercau District, Erzurum province.

301109. *ONOBRYCHIS VICIFOLIA* Scop.

Sainfoin.

Col. No. 608. Between Zuvans Koyu and Ispir District, Erzurum province.

301110. *ONOBRYCHIS* sp.

Col. No. 507. Akdagmadeni, Ozan Koyu, Sivas province.

301111 to 301129.

From Australia. Seeds presented by the Botanic Gardens, Brisbane, Queensland. Received Oct. 1, 1964.

301111. *ALPINIA COERULEA* (R. Br.) Benth. Zingiberaceae.
 301112. *BAUHINIA YUNNANENSIS* Franch. Leguminosae.
 301113. *BAUHINIA* sp.
 301114. *BRACHYCHITON ACERIFOLIUM* F. Muell. Sterculiaceae.
 301115. *CALLISTEMON CITRINUS* (Curtis) Skeels Myrtaceae.
Lemon bottlebrush.
 301116. *DOMBEYA* sp. Sterculiaceae.
 (Pink).
 301117. *HOVEA ACUTIFOLIA* A. Cunn. Leguminosae.
 301118. *LEPTOSPERMUM MINUTIFOLIUM* (F. Muell. ex Benth) C. T. White Myrtaceae.
 301119. *LEPTOSPERMUM SEMIBACCATUM* Cheel.
 301120. *LEPTOSPERMUM SCOPARIUM* Forst.
 301121. *MELALEUCA DECORA* Salisb. Myrtaceae.
 301122. *MELALEUCA ERICIFOLIA* Sm.
 301123. *MELALEUCA HUEGRELLII* Endl.
 301124. *MELALEUCA LEUCADENDRON* L. Cajeput-tree.
 301125. *MELALEUCA NODOSA* J. E. Smith
 301126. *MELALEUCA THYMIFOLIA* Sm.
 301127. *PITTIOSPORUM REVOLUTUM* Dryand. Pittosporaceae.
 301128. *PLATYCERIUM GRANDE* J. Smith ex Hook. & Baker. Polypodiaceae.
 301129. *PODOCARPUS ELATUS* R. Br. ex Mirb. Taxaceae.

301130 to 301137.

From Japan. Plants presented by Katsuhiko Kondo, Nagaya. Received Aug. 19, 1964. Numbered Oct. 1, 1964.

301130. *ALDROVANDA VESICULOSA* L. Droseraceae.
 301131. *NEPENTHES AMPULLARIA* Jack Nepenthaceae.
 301132. *NEPENTHES HOOKERIANA* Low.
 301133. *NEPENTHES* × *MASTERSIANA* Veitch
 301134. *NEPENTHES* × *WITTEI* Veitch
 301135. *NEPENTHES* sp.
 301136. *UTRICULARIA BIFIDA* L. Lentibulariaceae.
 301137. *UTRICULARIA MONTANA* Poir.
 301138. *DIGITARIA DECUMBENS* Stent Gramineae.

Pangolagrass.

From Southern Rhodesia. Plants now growing at the University of Florida, Gainesville, Fla. Numbered Oct. 1, 1964.

U.F. No. 227.

301139. *DIGITARIA SMUTSII* Stent Gramineae.

From the British West Indies. Plants obtained from Imperial College of Tropical Agricultural, St. Augustine, Trinidad. Numbered Oct. 1, 1964.

U.F. No. 121.

301140. PHOENIX DACTYLIFERA L. Palmae. Date palm.

From Pakistan. Rooted plants presented by the United Nations Technical Officer, Karachi. Received Oct. 9, 1964.

'Mir Mahmood Khan Magawatti'. From Panjgur, Mekran, West Pakistan.

301141 to 301143.

From the Republic of South Africa. Stolons collected by A. J. Oakes, Agricultural Explorer, Crops Research Division, Beltsville, Md. Collected February to April 1964. Numbered Oct. 26, 1964.

301141. DIGITARIA MILANJIANA subsp. EYLESIANA Henr. Gramineae.

Col. No. 60. Plot 428. Zarchum Pan, Kalahari. Plant stoloniferous; medium coarse stems; leaf height 15 inches.

301142. DIGITARIA SETIVALVA Stent

Col. No. 97. Plot 419. Kazungula, Northern Rhodesia. Stoloniferous perennial; stems fine; leaf height 18 inches.

301143. DIGITARIA VALIDA Stent**Giant pangolagrass.**

Col. No. 122. Plot 764. Potchefstroom, Transvaal. Local name: Large fingergrass. Plant stoloniferous; medium coarse stems; leaf height 14 inches. Broadleaf plants with dark green color; forms good ground cover; few seed heads. Outstanding.

301144 to 302300.

From the United States. Seeds and plants presented by Oklahoma State University, Stillwater, Okla. Countries of origin, as indicated. Numbered Jan. 13, 1965.

301144 to 301155. ANDROPOGON ABYSSINICUS R. Br. ex Fresen. Gramineae. Ethiopia.

301144. A-9187.	301150. A-9191.
301145. A-9185.	301151. A-9192.
301146. A-9186.	301152. A-9193.
301147. A-9188.	301153. A-9194.
301148. A-9189.	301154. A-9195.
301149. A-9190.	301155. A-9196.

301156. ANDROPOGON AMPLECTENS Nees

A-5420. South Africa.

301157. ANDROPOGON BICORNIS L.

A-4292. Trinidad.

301158 and 301159. ANDROPOGON BREVIFOLIUS Swartz

Japan.

301158. A-5618.

301159. A-7129.

301160 and 301161. ANDROPOGON DISTACHYUS L.

Ethiopia.

301160. A-9197.

301161. A-9198.

301162. ANDROPOGON DUMMERI Stapf

A-7308. Kenya.

301144 to 302300—Continued**301163 and 301164. ANDROPOGON ELLIOTTII** Chapm.

Louisiana.

301163. A-2587.

301164. A-4255.

301165. ANDROPOGON GABONENSIS Stapf

A-4808. Belgian Congo.

301166 to 301181. ANDROPOGON GAYANUS Kunth

301166. A-3672. India.

301167. A-4289. Trinidad.

301168. A-4826. India.

301169. A-5425. French West Africa.

301170. A-5454. Southern Rhodesia.

301171. A-5918. French West Africa.

301172. A-6876. Ghana.

301173. A-7061. Argentina.

301174. A-7950. Tanganyika.

Nigeria.

301175. A-7951.

301179. A-7955.

301176. A-7952.

301180. A-7956.

301177. A-7953.

301181. A-7957.

301178. A-7954.

301182 to 301190. ANDROPOGON GERARDII Vitm.**Big bluestem.**

301182. A-2590. Taiwan.

Wisconsin.

301183. A-2595.

301186. A-3009

301184. A-2596.

301187. A-3010.

301185. A-3008.

301188. A-4261. Louisiana.

301189. A-5706. Maryland.

301190. A-7062. Hungary.

301191 to 301193. ANDROPOGON GLOMERATUS (Walt.) BSP.

301191. A-2599. Rhode Island.

Louisiana.

301192. A-3602.

301193. A-4260.

301194 to 301204. ANDROPOGON LEUCOSTACHYUS HBK.

301194. A-3613. Maryland.

301195. A-2614. Georgia.

Rhode Island.

301196. A-2615.

301199. A-2618.

301197. A-2616.

301200. A-2619.

301198. A-2617.

301144 to 302300—Continued**301194 to 301204—Continued**

- 301201.** A-3074. West Virginia.
301202. A-6279. Puerto Rico.
301203. A-7448. Louisiana.
301204. A-7455. Texas.
- 301205.** *ANDROPOGON MICRANTHUS* Kunth
A-8601. Taiwan.
- 301206.** *ANDROPOGON PRATENSIS* Hochst. ex Hack.
A-9199. Ethiopia.
- 301207 and 301208.** *ANDROPOGON PSEUDAPRICUS* Stapf
301207. A-4582. Belgian Congo.
301208. A-7937. Nigeria.
- 301209.** *ANDROPOGON PUMILUS* Roxb.
A-5442. India.
- 301210.** *ANDROPOGON SCHIRENSIS* Hochst. ex A. Rich.
A-5919. French West Africa.
- 301211.** *ANDROPOGON SHIMADAE* Ohwi
A-8529. Taiwan.
- 301212 and 301213.** *ANDROPOGON SUBTENUIS* Nash ex Small
301212. A-2608. Georgia.
301213. A-4257. Louisiana.
- 301214.** *ANDROPOGON TECTORUM* Schum.
A-7945. Nigeria.
- 301215.** *ANDROPOGON TENUIBERBIS* Munro ex Hack.
A-4583. Belgian Congo.
- 301216 to 301218.** *ANDROPOGON TERNARIUS* Michx.
301216. A-3051. Maryland.
301217. A-4259. Louisiana.
301218. A-5707. Maryland.
- 301219.** *ANDROPOGON TRACYI* Nash
A-2609. Georgia.
- 301220.** *ANDROPOGON* sp.
A-2647. Malagasy Republic.
- 301221.** *ANDROPOGON* sp.
A-2653. Tanganyika.
- 301222.** *ANDROPOGON* sp.
A-3705. Brazil.
- 301223.** *ANDROPOGON* sp.
A-4253. Venezuela.
- 301224.** *ANDROPOGON* sp.
A-5749. Argentina.
- 301225.** *ANDROPOGON* sp.
A-6280. Puerto Rico.

301144 to 302300—Continued

- 301226.** ANDROPOGON sp.
A-6281. Puerto Rico.
- 301227.** ANDROPOGON sp.
A-6262. Puerto Rico.
- 301228.** ANDROPOGON sp.
A-6285. Puerto Rico.
- 301229.** ANDROPOGON sp.
A-6286. Puerto Rico.
- 301230.** ANDROPOGON sp.
A-6287. Puerto Rico.
- 301231.** ANDROPOGON sp.
A-6288. Puerto Rico.
- 301232.** ANDROPOGON sp.
A-7018. India.
- 301233.** ANDROPOGON sp.
A-7175. Philippines.
- 301234.** ANDROPOGON sp.
A-7178. Philippines.
- 301235.** ANDROPOGON sp.
A-7234. Kenya.
- 301236.** ANDROPOGON sp.
A-7235. Kenya.
- 301237.** ANDROPOGON sp.
A-7239. Nyasaland.
- 301238.** ANDROPOGON sp.
A-7264. West Germany.
- 301239.** ANDROPOGON sp.
A-7292. Oklahoma.
- 301240.** ANDROPOGON sp.
A-7293. Oklahoma.
- 301241.** ANDROPOGON sp.
A-7294. Oklahoma.
- 301242.** ANDROPOGON sp.
A-7451. Alabama.
- 301243.** ANDROPOGON sp.
A-7696. Colombia.
- 301244.** ANDROPOGON sp.
A-7698. Colombia.
- 301245.** SORGHUM NITIDUM (Vahl) Pers. Gramineae.
A-9011. India.
- 301246.** ANDROPOGON sp. Gramineae.
A-9012. Ethiopia.

301144 to 302300—Continued**301247.** ANDROPOGON sp.

A-9174. Ethiopia.

301248. ANDROPOGON sp.

A-9175. Ethiopia.

301249. ANDROPOGON sp.

A-9176. Ethiopia.

301250. ANDROPOGON sp.

A-9177. Ethiopia.

301251. ANDROPOGON sp.

A-9179. Ethiopia.

301252. ANDROPOGON sp.

A-9180. Ethiopia.

301253. ANDROPOGON sp.

A-9181. Ethiopia.

301254. ANDROPOGON sp.

A-9182. Ethiopia.

301255. ANDROPOGON sp.

A-9184. Ethiopia.

301256. ANDROPOGON sp.

O-031. India.

301257. ANDROPOGON sp.

O-600. India.

301258. ANDROPOGON sp.

O-617. India.

301259. ANDROPOGON sp.

O-671. India.

301260. ANDROPOGON sp.

O-842. India.

301261. ANDROPOGON sp.

O-843. India.

301262. ANDROPOGON sp.

O-964. India.

301263. APLUDA sp. Gramineae.

A-5313. India.

301264 to 301275. BOTHRIOCHLOA AMBIGUA S. T. Blake Gramineae.

Australia.

301264. O-709.**301270.** O-765.**301265.** O-710.**301271.** O-958.**301266.** O-745.**301272.** O-959.**301267.** O-746.**301273.** O-960.**301268.** O-751.**301274.** O-961.**301269.** O-764.**301275.** O-962.

301144 to 302300—Continued

301276. *TRICHACHNE INSULARIS* (L.) Nees Gramineae.

A-4085. Hawaii.

301277. *BOTHRIOCHLOA BARBINODES* (Lag.) Herter Gramineae.

O-698. Argentina.

301278 to 301281. *BOTHRIOCHLOA CAUCASICA* (Trin.) C. E. Hubb.
Caucasian bluestem.

301278. A-4006. Great Britain.

India.

301279. A-7155.

301280. A-7160.

301281. A-7244. Hungary.

301282 to 301285. *BOTHRIOCHLOA COMPRESSA* (Hook. f.) Henr.

India.

301282. A-9086.

301284. A-9088.

301283. A-9087.

301285. A-9089.

301286 and 301287. *BOTHRIOCHLOA CONCANENSIS* (Hook. f.) Henr.

India.

301286. A-9100.

301287. A-9101.

301288 to 301301. *BOTHRIOCHLOA DECIPIENS* (Hack.) C. E. Hubb.

Australia.

301288. O-713.

301295. O-748.

301289. O-714.

301296. O-762.

301290. O-717.

301297. O-763.

301291. O-722.

301298. O-793.

301292. O-723.

301299. O-820.

301293. O-724.

301300. O-865.

301294. O-747.

301301. O-906.

301302. *BOTHRIOCHLOA ERIANTHOIDES* (F. Muell.) C. E. Hubb.

A-7163. Australia.

301303 to 301315. *BOTHRIOCHLOA EWARTIANA* (Domin.) C. E. Hubb.

Australia.

301303. O-733.

301310. O-822.

301304. O-734.

301311. O-859.

301305. O-784.

301312. O-874.

301306. O-786.

301313. O-876.

301307. O-787.

301314. O-902.

301308. O-788.

301315. O-903.

301309. O-789.

301316. *BOTHRIOCHLOA FOULKESII* (Hook. f.) Henr.

O-610. Australia.

301144 to 302300—Continued

301317 to 301382. *BOTHRIOCHLOA GLABRA* (Roxb.) A. Camus

Indonesia.

301317. A-9404.

301318. A-9405.

Rhodesia.

301319. A-9450.

301326. A-9457.

301320. A-9451.

301327. A-9458.

301321. A-9452.

301328. A-9459.

301322. A-9453.

301329. A-9460.

301323. A-9454.

301330. A-9461.

301324. A-9455.

301331. A-9462.

301325. A-9456.

South Africa.

301332. A-9539.

301344. A-9553

301333. A-9540.

301345. A-9554.

301334. A-9541.

301346. A-9555.

301335. A-9542.

301347. A-9557.

301336. A-9545.

301348. A-9558.

301337. A-9546.

301349. A-9560.

301338. A-9547.

301350. A-9561.

301339. A-9548.

301351. A-9562.

301340. A-9549.

301352. A-9563.

301341. A-9550.

301353. A-9564.

301342. A-9551.

301354. A-9566.

301343. A-9552.

Hong Kong.

301355. O-624.

301359. O-632.

301356. O-626.

301360. O-635.

301357. O-630.

301361. O-638.

301358. O-631.

301362. O-640.

301363. O-647. Malaya.

Australia.

301364. O-661.

301374. O-797.

301365. O-667.

301375. O-805.

301366. O-672.

301376. O-814.

301367. O-675.

301377. O-821.

301368. O-676.

301378. O-854.

301369. O-678.

301379. O-863.

301370. O-688.

301380. O-880.

301371. O-739.

301381. O-904.

301372. O-740.

301382. O-905.

301373. O-778.

301144 to 302300—Continued

- 301383 and 301384.** BOTHRIOCHLOA GRAHAMII (Haines) Bor
301383. O-603. Africa.
301384. O-652. Singapore.
- 301385 to 301445.** BOTHRIOCHLOA INSCULPTA (Hoschst.) A. Camus
 South Africa.
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|------------------------|------------------------|
| 301385. A-8587. | 301389. A-9202. |
| 301386. A-9112. | 301390. A-9203. |
| 301387. A-9200. | 301391. A-9409. |
| 301388. A-9201. | 301392. A-9422. |
- Rhodesia.
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| 301393. A-9437. | 301398. A-9445. |
| 301394. A-9438. | 301399. A-9446. |
| 301395. A-9442. | 301400. A-9447. |
| 301396. A-9443. | 301401. A-9448. |
| 301397. A-9444. | 301402. A-9449. |
- South Africa.
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| 301403. A-9567. | 301411. A-9576. |
| 301404. A-9569. | 301412. A-9577. |
| 301405. A-9570. | 301413. A-9578. |
| 301406. A-9571. | 301414. A-9579. |
| 301407. A-9572. | 301415. A-9581. |
| 301408. A-9573. | 301416. A-9583. |
| 301409. A-9574. | 301417. A-9584. |
- Mozambique.
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| 301418. A-9586. |
| 301419. A-9587. |
- Swaziland.
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| 301420. A-9589. |
| 301421. A-9590. |
- South Africa.
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| 301422. A-9591. | 301433. A-9602. |
| 301423. A-9592. | 301434. A-9603. |
| 301424. A-9593. | 301435. A-9604. |
| 301425. A-9594. | 301436. A-9605. |
| 301426. A-9595. | 301437. A-9607. |
| 301427. A-9596. | 301438. A-9608. |
| 301428. A-9597. | 301439. A-9609. |
| 301429. A-9598. | 301440. A-9610. |
| 301430. A-9599. | 301441. A-9611. |
| 301431. A-9600. | 301442. A-9612. |
| 301432. A-9601. | 301443. A-9615. |
- 301444.** O-013. India.
301445. O-618. Thailand.

301144 to 302300—Continued

301446 to 301623. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng
Turkestan bluestem.

Turkey.

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| 301446. | A-560-B. | 301453. | A-564-B. |
| 301447. | A-561-B. | 301454. | A-565-A. |
| 301448. | A-562-A. | 301455. | A-565-B. |
| 301449. | A-562-B. | 301456. | A-566-A. |
| 301450. | A-563-A. | 301457. | A-566-B. |
| 301451. | A-563-B. | 301458. | A-567-A. |
| 301452. | A-564-A. | | |
| 301459. | A-726. | Peoples Republic of China. | |

Turkey.

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| 301460. | A-1341. | 301462. | A-1343-B. |
| 301461. | A-1341-B. | 301463. | A-1347. |
| 301464. | A-1356. | Brazil. | |

Turkey.

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| 301465. | A-1358-A. | 301468. | A-1366-B. |
| 301466. | A-1358-B. | 301469. | A-1369-B. |
| 301467. | A-1359-B. | | |

Iraq.

301470. A-1376.
 301471. A-1376-B.
 301472. A-2551. Oklahoma.
 301473. A-2553. Turkey.
 301474. A-2556. Germany.
 301475. A-2557. Belgium.

Germany.

301476. A-2558.
 301477. A-2558-B.
 301478. A-2582. Taiwan.
 301479. A-3075. Germany.
 301480. A-3240. Belgium.
 301481. A-3503. Texas.
 301482. A-3699. Iraq.
 301483. A-3701. Belgium.
 301484. A-3794. France.
 301485. A-3902. Belgium.
 301486. A-3955. Austria.

France.

301487. A-3959.
 301488. A-4007.
 301489. A-4008.
 301490. A-4011. Italy.

301144 to 302300—Continued**301446 to 301623—Continued**

301491. A-4092. Texas.

Czechoslovakia.

301492. A-4250.

301493. A-4251.

301494. A-4252.

301495. A-4439. Spain.

301496. A-4777. Yugoslavia.

301497. A-4798. Hungary.

Yugoslavia.

301498. A-4800.

301499. A-4803.

301500. A-5109. Arizona.

301501. A-5110. Turkey.

301502. A-5422. Morocco.

301503. A-5704. Peoples Republic of China.

301504. A-5731. France.

301505. A-6182. Burma.

301506. A-6459. Peoples Republic of China.

301507. A-6863. India.

Hungary.

301508. A-7040.

301511. A-7044.

301509. A-7041.

301512. A-7045.

301510. A-7043.

301513. A-7056. Soviet Union.

301514. A-7057. Rumania.

301515. A-7059. Hungary.

301516. A-7156. India.

Soviet Union.

301517. A-7161.

301519. A-7240.

301518. A-7162.

301520. A-7242.

301521. A-8243. Portugal.

301522. A-8245. France.

Germany.

301523. A-7246.

301524. A-7247.

301525. A-7249.

301526. A-7250. Poland.

Belgium.

301527. A-7252.

301528. A-7254.

301529. A-7256. France.

301144 to 302300—Continued**301446 to 301623—Continued**

Turkey

301530. A-7496.

301531. A-7497.

Iran.

301532. A-8141.

301533. A-8142.

301534. A-8256.

301535. A-8793. Afghanistan.

301536. A-8857. Pakistan.

301537. A-8161-A. Oklahoma.

Pakistan.

301538. A-8873-A.

301539. A-8873-B.

301540. A-8875-A.

301541. A-8887.

301542. A-8888.

301543. A-8889.

301544. A-8890.

301545. A-8891.

301546. A-8892.

301547. A-8893-B.

301548. A-8894-A.

301549. A-8894-B.

301550. A-8894-C.

301551. A-8894-D.

301552. A-8896.

301553. A-8897-A.

301554. A-8897-B.

301555. A-8898.

301556. A-8899-A.

301557. A-8899-D.

301558. A-8899-E.

301559. A-8901.

301560. A-8902-A.

301561. A-8903-A.

301562. A-8903-B.

301563. A-8904-A.

301564. A-8904-C.

301565. A-8906.

301566. A-8907-C.

301567. A-8908.

301568. A-8909.

301569. A-8910-A.

301570. A-8910-B.

301571. A-8911-A.

301572. A-8911-B.

301573. A-8911-C.

301574. A-8912.

301575. A-8913-D.

301576. A-8914-A.

301577. A-8914-B.

301578. A-8914-C.

301579. A-8915-A.

301580. A-8915-B.

301581. A-8915-C.

301582. A-8916.

301583. A-8917-A.

301584. A-8918.

301585. A-8918-B.

301586. A-8918-C.

301587. A-8919-B.

301588. A-8920.

301589. A-8921.

301590. A-8922.

301591. A-8923.

301592. A-8925.

301593. A-8926-A.

301594. A-8927-A.

301595. A-8929-A.

301596. A-8929-B.

301597. A-8932-A.

301598. A-8932-B.

301599. A-8932-C.

301600. A-8933-A.

301601. A-8933-C.

301144 to 302300—Continued

301446 to 301623—Continued

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| 301602. A-8933-D. | 301612. A-8938-B. |
| 301603. A-8934-A. | 301613. A-8939. |
| 301604. A-8934-B. | 301614. A-8940-A. |
| 301605. A-8935-B. | 301615. A-8940-B. |
| 301606. A-8936-A. | 301616. A-8940-D. |
| 301607. A-8936-B. | 301617. A-8941-A. |
| 301608. A-8936-C. | 301618. A-8941-B. |
| 301609. A-8937-A. | 301619. A-8969-A. |
| 301610. A-8937-D. | 301620. A-8970-A. |
| 301611. A-8938-A. | 301621. A-9111. |
| 301622. A-9358. Soviet Union. | |
| 301623. A-9396. Afghanistan. | |

301624 and 301625. BOTHRIOCHLOA PERTUSA (L.) A. Camus
India.

301624. A-8280.
301625. A-8299.

301626 to 301630. BOTHRIOCHLOA KUNTZEANA (Hack.) Henr.
India.

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| 301626. A-9102. | 301629. A-9105. |
| 301627. A-9103. | 301630. A-9106. |
| 301628. A-9104. | |

301631. BOTHRIOCHLOA LAGUROIDES (DC.) Herter Gramineae.
A-4396. Argentina.

301632 to 301634. BOTHRIOCHLOA ODORATA (Lisboa) A. Camus
India.

301632. A-5409.
301633. A-8294.
301634. A-8295.

301635. BOTHRIOCHLOA PERFORATA (Trin. ex Fourn.) Herter
A-3700. Texas.

301636. DICHANTHIUM ANNULATUM (Forsk.) Stapf in Prain Gramineae.
A-3227. India.

301637 to 301644. BOTHRIOCHLOA PERTUSA (L.) A. Camus Gramineae.

301637. A-3704. Africa.
301638. A-3713. India.
United States.
301639. A-4518.
301640. A-4906.
India.
301641. A-5301.
301642. A-5396.

301144 to 302300—Continued

301637 to 301644—Continued

301643. A-5402-B. Morocco.

301644. A-5403. India.

301645. *DICHANTHIUM ANNULATUM* (Forsk.) Stapf in Prain Gramineae.
A-5405. India.301646 and 301647. *BOTHRIOCHLOA PERTUSA* (L.) A. Camus Gramineae.

301646. A-5431. French West Africa.

301647. A-5470. Africa.

301648. *BOTHRIOCHLOA INTERMEDIA* (R. Br.) A. Camus
Australian bluestem.

A-6587. Pakistan.

301649. *DICHANTHIUM ANNULATUM* (Forsk.) Stapf in Prain Gramineae.
A-6840. India.301650 to 301707. *BOTHRIOCHLOA PERTUSA* (L.) A. Camus Gramineae.

301650. A-6879-B. Virgin Islands.

301651. A-6902. Turkey.

India.

301652. A-8011.

301661. A-8288-A.

301653. A-8281-A.

301662. A-8289-A.

301654. A-8282-A.

301663. A-8289-B.

301655. A-8282-B.

301664. A-8290.

301656. A-8284.

301665. A-8291.

301657. A-8285-3-A.

301666. A-8292.

301658. A-8285-3-B.

301667. A-8308.

301659. A-8286.

301668. A-8235-3-A.

301660. A-8287.

Pakistan.

301669. A-8886-A.

301671. A-8977-A.

301670. A-8962.

301672. A-8977-C.

India.

301673. A-8980.

301686. A-9090-B.

301674. A-8981-A.

301687. A-9091.

301675. A-8984-A.

301688. A-9092.

301676. A-8984-B.

301689. A-9093.

301677. A-8985-A.

301690. A-9094.

301678. A-8985-B.

301691. A-9095.

301679. A-8986.

301692. A-9097.

301680. A-8987-A.

301693. A-9098.

301681. A-8987-B.

301694. A-9411.

301682. A-8988-B.

301695. A-9421.

301683. A-8988-C.

301696. A-9479.

301684. A-8989.

301697. A-9480.

301685. A-9090-A.

301698. A-9481.

301144 to 302300—Continued

301650 to 301707—Continued

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| 301699. A-9482. | 301704. O-593. |
| 301700. A-9680. | 301705. O-596. |
| 301701. A-9281. | 301706. O-604. |
| 301702. O-585. | 301707. O-615. |
| 301703. O-590. | |

301708 to 301714. *BOTHRIOCHLOA RADICANS* (Lehm.) A. Camus

301708. A-4518. Ethiopia.
South Africa.

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| 301709. A-9487. | 301712. A-9682. |
| 301710. A-9488. | 301713. A-9684. |
| 301711. A-9489. | 301714. A-9685. |

301715 to 301726. *BOTHRIOCHLOA SACCHAROIDES* (Swartz) Rydb.
Silver bluestem.

Oklahoma.

301715. A-2579.
301716. A-2580.
301717. A-2581. Argentina.

Texas.

301718. A-3693.
301719. A-6095.
301720. A-7296. Argentina.

Oklahoma.

301721. A-7297.
301722. A-7301.
301723. A-7302.

Texas.

301724. A-9817.
301725. A-9833.
301726. A-9839. New Mexico.

301727 to 301730. *BOTHRIOCHLOA SPRINGFIELDII* (Gould) Parodi

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| 301727. A-9748. Texas. | 301729. A-9782. Texas. |
| 301728. A-9772. Mexico. | 301730. A-9784. Arizona. |

301731. *BOTHRIOCHLOA VENUSTA* (Thwaites) A. Camus
A-2655. British Guiana.301732. *BOTHRIOCHLOA WOODROWII* (Hook. f.) A. Camus
A-9114. India.301733. *BOTHRIOCHLOA* sp.

A-5643. Texas.

301734. *BOTHRIOCHLOA ALTA* (Hitche.) Henr.

A-6094. Texas.

301735. *BOTHRIOCHLOA* sp.

A-6096. Texas.

301144 to 302300—Continued

301772 to 301779. *CAPILLIPEDIUM SPICIGERUM* (Benth.) S. T. Blake

Australia.

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| 301772. A-4104. | 301776. O-721. |
| 301773. A-9428. | 301777. O-802. |
| 301774. O-718. | 301778. O-872. |
| 301775. O-720. | 301779. O-901. |

301780 to 301784. *CAPILLIPEDIUM PARVIFLORUM* (R. Br.) Stapf

301780. A-6458. China.

India.

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| 301781. A-9003. | 301783. A-9005. |
| 301782. A-9004. | 301784. A-9006. |

301785. *CAPILLIPEDIUM* sp.

A-9116. India.

301786. *CAPILLIPEDIUM* sp.

A-9117. India.

301787. *CAPILLIPEDIUM* sp.

A-9412. India.

301788. *CHLORIS GAYANA* Kunth Gramineae.

Rhodesgrass.

A-8038. India.

301789. *CHLORIS VIRGATA* Swartz

A-8260. Mexico.

301790 to 301793. *CHRYSOPOGON ACICULATUS* (Retz.) Trin. Gramineae.

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| 301790. A-4588. India. | 301792. A-6045. Nebraska. |
| 301791. A-5329. Malaya. | 301793. A-6405. India. |

301794 to 301815. *CHRYSOPOGON GRYLUS* (L.) Trin.

301794. A-2689. India.

Iraq.

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| 301795. A-3674. | 301798. A-3677. |
| 301796. A-3675. | 301799. A-3678. |
| 301797. A-3676. | 301800. A-3679. |

301801. A-3685. Origin unknown.

Iraq.

301802. A-3689.

301803. A-3692.

301804. A-3697.

India.

301805. A-6148.

301806. A-6856.

301807. A-7009. Pakistan.

India.

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| 301808. A-8991. | 301812. A-8995. |
| 301809. A-8992. | 301813. A-8997. |
| 301810. A-8993. | 301814. A-8999. |
| 301811. A-8994. | 301815. A-9000. |

301144 to 302300—Continued

301816 to 301836. *CHRYSOPOGON MONTANUS* Trin. ex Sprengel

India.

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| 301816. A-2657. | 301827. A-8552. |
| 301817. A-4107. | 301828. A-8553. |
| 301818. A-6075. | 301829. A-8554. |
| 301819. A-6853. | 301830. A-8555. |
| 301820. A-6854. | 301831. A-8558. |
| 301821. A-6859. | 301832. A-8559. |
| 301822. A-7215. | 301833. A-8560. |
| 301823. A-7284. | 301834. A-8561. |
| 301824. A-8548. | 301835. A-8996. |
| 301825. A-8549. | 301836. A-9128. |
| 301826. A-8550. | |

301837. *CHRYSOPOGON* sp.

A-8998. India.

301838. *CHRYSOPOGON ECHINULATUS* (Nees) W. Wats.

A-8999. India.

301839. *CHRYSOPOGON ACICULATUS* (Retz.) Trin.

O-608. Thailand.

301840. *CHRYSOPOGON ACICULATUS* (Retz.) Trin.

O-655. Singapore.

301841 and 301842. *CYMOPOGON MARTINII* (Roxb.) W. Wats. Gramineae.
Rusa-oil grass.

India.

301841. A-3034.

301842. A-6850.

301843. *CYMOPOGON NERVATUS* (Hochst.) Chiov.

A-3708. Ethiopia.

301844 and 301845. *CYMOPOGON PROCERUS* (R. Br.) Domin

Australia.

301844. A-7769.

301845. A-7770.

301846. *CYMOPOGON REFRACTUS* (R. Br.) A. Camus

A-6524. Australia.

301847. *CYMOPOGON TORTILIS* (Presl) A. Camus

A-7127. Japan.

301848. *CYMOPOGON* sp.

A-4041. India.

301849. *CYMOPOGON* sp.

A-6519. Australia.

301850. *CYMOPOGON SCHOENANTHUS* (L.) Spreng.

A-9007. Japan.

301851. *CYMOPOGON* sp.

A-9208. Ethiopia.

301144 to 302300—Continued

- 301852 to 301856.** *CYNODON DACTYLON* (L.) Pers. Gramineae.
 South Africa.
301852. O-501.
301853. O-571.
301854. O-572. Kenya.
301855. O-577. Origin unknown.
301856. O-644. Singapore.
- 301857.** *CYNODON PLECTOSTACHYUS* (K. Schum.) Pilg. **Stargrass.**
 O-225. Origin unknown.
- 301858.** *CYNODON* sp.
 O-681. Australia.
- 301859.** *CYNODON* sp.
 O-695. Australia.
- 301860.** *CYNODON* sp.
 O-743. Australia.
- 301861.** *CYNODON* sp.
 O-744. Australia.
- 301862.** *CYNODON* sp.
 O-753. Australia.
- 301863 to 301984.** *DICHANTHIUM ANNULATUM* (Forsk.) Stapf Gramineae.
Palwan.
- 301863.** A-1526. Texas.
301864. A-2564. India.
301865. A-2570. Texas.
301866. A-2713. (No seed).
301867. A-3182. Israel.
 India.
301868. A-3242.
301869. A-3713.
 Egypt.
301870. A-3787.
301871. A-3789.
301872. A-4045. India.
 Texas.
301873. A-4082.
301874. A-4083.
301875. A-4390. Tunisia.
301876. A-4393. India.
301877. A-4395. Argentina.
301878. A-5598. (No seed).
301879. A-4565. India.
301880. A-4380. Saudi Arabia.

301144 to 302300—Continued

301863 to 301984—Continued

301881. A-5112. Arizona.

Iraq.

301882. A-5113.

301886. A-5140.

301883. A-5116.

301887. A-5142.

301884. A-5118.

301888. A-5166-B.

301885. A-5121.

India.

301889. A-5287.

301895. A-5399.

301890. A-5295.

301896. A-5400-D.

301891. A-5302.

301897. A-5401.

301892. A-5317.

301898. A-5402.

301893. A-5397.

301899. A-5403-B.

301894. A-4398.

301900. A-5411.

301901. A-5430. French West Africa.

India.

301902. A-5437.

301903. A-5438.

301904. A-5584.

301905. A-5602. Fiji Islands.

301906. A-5798. India.

301907. A-6073. Pakistan.

India.

301908. A-6175.

301910. A-6180.

301909. A-6176.

301911. A-6192.

301912. A-6263. Puerto Rico.

Texas.

301913. A-6373.

301914. A-6375.

301915. A-6525. Australia.

Georgia.

301916. A-6573.

301917. A-6574.

India.

301918. A-6863.

301919. A-6866.

301920. A-6879. Virgin Islands.

301921. A-6896. Georgia.

301922. A-6981. Virgin Islands.

Texas.

301923. A-7034.

301926. A-7037.

301924. A-7035.

301927. A-7039.

301925. A-7036.

301144 to 302300—Continued

301863 to 301984—Continued

301928. A-7571. Georgia.

India.

301929. A-8156.

301932. A-8452.

301930. A-8350.

301933. A-8453.

301931. A-8379.

301934. A-8542.

Pakistan.

301935. A-8852.

301953. A-8876 B.

301936. A-8853.

301954. A-8877.

301937. A-8854.

301955. A-8877-B.

301938. A-8855.

301956. A-8878.

301939. A-8856.

301957. A-8879-A.

301940. A-8859-B.

301958. A-8879-B.

301941. A-8861.

301959. A-8879-C.

301942. A-8865.

301960. A-8880.

301943. A-8866.

301961. A-8881.

301944. A-8867-B.

301962. A-8882-B.

301945. A-8867-C.

301963. A-8883-A.

301946. A-8868.

301964. A-8883-B.

301947. A-8870.

301965. A-8884.

301948. A-8871-A.

301966. A-8885.

301949. A-8871-B.

301967. A-8886-B.

301950. A-8872.

301968. A-8886-C.

301951. A-8874.

301969. A-8899-B.

301952. A-8876-A.

301970. A-8899-F.

India.

301971. A-8949-B.

301975. A-9030-B.

301972. A-8949-C.

301976. A-9031-A.

301973. A-8972.

301977. A-9032-A.

301974. A-9030-A.

301978. A-9032-B.

Singapore.

301979. O-649.

301982. O-891.

301980. O-658.

301983. O-892.

301981. O-813.

301984. O-893.

301985 to 301998. *DICHANTHIUM ARISTATUM* (Poir.) C. E. Hubb. Grami-
neae. Angleton grass.

301985. A-2570. Texas.

301986. A-8249. India.

Origin unknown.

301987. A-8547.

301988. A-8596.

India.

301989. A-9035.

301990. A-9037.

301144 to 302300—Continued**301985 to 301998—Continued**

301991. A-9038.
 301992. A-9050. Origin unknown.
 Australia.
 301993. A-9506.
 901994. A-9688.
 301995. A-9689.
 301996. O-033. Philippines.
 Australia.
 301997. O-758.
 301998. O-950.

301999 to 302027. DICHANTHIUM CARICOSUM (L.) A. Camus

- | | |
|----------------------------|----------------------------|
| 301999. A-1529. Texas. | 302001. A-5440. India. |
| 302000. A-4084. Oklahoma. | 302002. A-6525. Australia. |
| India. | |
| 302003. A-6838. | 302012. A-9055. |
| 302004. A-7208. | 302013. A-9056. |
| 302005. A-8252. | 302014. A-9057. |
| 302006. A-8546. | 302015. A-9058. |
| 302007. A-9031-B. | 302016. A-9059. |
| 302008. A-9051. | 302017. A-9060. |
| 302009. A-9052. | 302018. A-9061. |
| 302010. A-9053. | 302019. A-9062. |
| 302011. A-9054. | 302020. A-9063. |
| 302021. A-9397. Indonesia. | |
| India. | |
| 302022. A-9424. | |
| 302023. A-9425. | |
| 302024. O-645. Malaya. | |
| Singapore. | |
| 302025. O-648. | |
| 302026. O-650. | |
| 302027. O-847. | |

302028 to 302032. DICHANTHIUM FECUNDUM S. T. Blake

302028. A-7810. Origin unknown.
 Australia.
 302029. O-780. 302031. O-791.
 302030. O-781. 302032. O-804.
 302033. DICHANTHIUM HUMILIUS (Benth.) J. M. Black
 A-9345. Oklahoma.

302034 and 302035. DICHANTHIUM MACCANNII Blatter

- India.
 302034. A-9047.
 302035. A-9049.

301144 to 302300—Continued

302036 to 302039. *DICHANTHIUM PANCHGANIENSE* Blatter & McCann

India.

302036. A-8278.

302038. A-9040.

302037. A-9039.

302039. A-9041.

302040 to 302048. *DICHANTHIUM PAPILLOSUM* (Hochst.) Stapf

302040. A-3716. Rhodesia.

302041. A-4804. Tanganyika.

302042. A-5429. French West Africa.

South Africa.

302043. A-9502.

302044. A-9503.

Australia.

302045. A-9690.

302047. A-9692.

302046. A-9691.

302048. A-9693.

302049 to 302062. *DICHANTHIUM SERICEUM* (R. Br.) A. Camus

Australia.

302049. A-2572.

302054. A-4610.

302050. A-4100.

302055. A-5640.

302051. A-4101.

302056. A-6139.

302052. A-4102.

302057. A-6140.

302053. A-4594.

302058. A-6261. Puerto Rico.

302059. A-6836. India.

302060. A-7566. British Guiana.

Australia.

302061. A-7570.

302062. A-7910.

302063 to 302066. *DICHANTHIUM SERRAFALCOIDES* (Cooke & Stapf) Blatter & McCann

India.

302063. A-9042.

302065. A-9045.

302064. A-9043.

302066. A-9046.

302067 to 302069. *DICHANTHIUM SETOSUM* S. T. Blake

Australia.

302067. O-769.

302068. O-895.

302069. O-898.

302070 to 302073. *DICHANTHIUM SUPERCILIATUM* (Hack.) A. Camus

Australia.

302070. O-879.

302072. O-916.

302071. O-894.

302073. O-917.

301144 to 302300—Continued

- 302074 to 302076. *EREMOPOGON FOVEOLATUS* (Del.) Stapf Gramineae.
 India.
 302074. A-8305.
 302075. A-8306.
 302076. A-8307.
302077. *EUCLASTA CONDYLOTRICHA* (Hochst.) Stapf Gramineae.
 A-3783. Belgian Congo.
302078. *EULALIA FULVA* (R. Br.) Kuntze Gramineae. **Sugargrass.**
 A-6529. Australia.
302079. *EULALIA PHAEOTHRIX* (Hack.) Kuntze
 O-599 Thailand.
302080. *HILARIA* sp. Gramineae.
 A-8258. Mexico.
302081. *HYPARRHENIA CONFINIS* (Hochst.) Anderss. Gramineae.
 A-4576. Belgian Congo.
302082. *HYPARRHENIA DISSOLUTA* (Nees ex Steud.) C. E. Hubb.
 A-4579. Belgian Congo.
302083. *HYPARRHENIA FILIPENDULA* (Hochst.) Stapf
 A-3921. India.
302084. *ISCHAEMUM ARISTATUM* L. Gramineae.
 A-5594. Fiji Islands.
302085. *ISCHAEMUM PILOSUM* (Klein ex Willd.) Wight
 A-8314. India.
302086. *ISEILEMA VAGINIFLORA* Domin. Gramineae.
 A-2375. Australia.
302087. *RHYNCHELYTRUM REPENS* (Willd.) C. E. Hubb. Gramineae.
 A-8268. Hong Kong.
302088. *SESBANIA* sp. Leguminosae.
 A-9393. Origin unknown.
302089. *SORGHASTRUM ELLIOTTII* (Mohr) Nash Gramineae.
 O-474. Florida.
302090. *SORGHASTRUM FRIESII* (Pilger) Pilger
 A-9483. Australia.
- 302091 to 302101. *SORGHASTRUM NUTANS* (L.) Nash ex Small
Yellow indiagrass.
 Oklahoma.
 302091. A-5688.
 302092. A-5689.
 Texas.
 302093. A-5690. 302095. A-5692.
 302094. A-5691. 302096. A-5693.
 302097. A-5694. Oklahoma.

301144 to 302300—Continued**302091 to 302101—Continued**

302098. A-5695. Texas.

Oklahoma.

302099. A-5696.

302100. A-5697.

302101. A-7456. Alabama.

302102. SORGHASTRUM SECUNDUM (Ell.) Nash ex Small

A-3062. Georgia.

302103. SORGHASTRUM sp.

A-9484. Australia.

302104 to 302106. SORGHUM AETHIOPICUM (Hack.) Rupr. ex Stapf Gramineae.

Ethiopia.

302104. A-4842.

302105. A-5677.

302106. A-5830.

302107 to 302110. SORGHUM ALMUM Parodi

Argentina.

302107. A-5656.

302108. A-5674.

302109. A-6401.

302110. A-7272. New Zealand.

302111 to 302118. SORGHUM ARUNDINACEUM (Willd.) Stapf**Kamerun grass.**

302111. A-2782. South Africa.

302112. A-5683. Southern Rhodesia.

South Africa.

302113. A-5735.

302114. A-5736.

Australia.

302115. A-5865.

302116. A-7067.

302117. A-7275.

302118. O-985. Ethiopia.

302119 to 302130. SORGHUM BICOLOR (L.) Moench

302119. A-385. Origin unknown.

302120. A-3694. Belgium.

Portugal.

302121. A-4840.

302122. A-5738.

302123. A-7068.

301144 to 302300—Continued**302119 to 302130—Continued**

Origin unknown.

302124. A-7773.

302127. A-7776.

302125. A-7774.

302128. A-7777.

302126. A-7775.

302129. A-7778.

302130. O-986. Ethiopia.

302131 to 302134. SORGHUM CAUDATUM (Hack.) Stapf

302131. A-4834. Portugal.

Ethiopia.

302132. O-987.

302133. O-988.

302134. O-989.

302135. SORGHUM CAFFRORUM (Reitz.) Beauv.

A-5687. Origin unknown.

302136. SORGHUM CONTROVERSUM (Steud.) Snowden

A-6358. India.

302137 to 302139. SORGHUM DOCHNA (Forsk.) Snowden**Sorgo.**

Portugal.

302137. A-4833.

302138. A-4835.

302139. A-4854. Burma.

302140 and 302141. SORGHUM DRUMMONDII (Steud.) Millspaugh & Chase

302140. A-5667. Origin unknown.

302141. A-5867. Australia.

302142 to 302148. SORGHUM DURRA (Forsk.) Stapf

302142. A-4863. Burma.

Ethiopia.

302143. O-1009.

302146. O-1012.

302144. O-1010.

302147. O-1013.

302145. O-1011.

302148. O-1014.

302149 to 302151. SORGHUM GAMBICUM Snowden

Origin unknown.

302149. A-4869.

302150. A-4870.

302151. A-4875.

302152 to 302172. SORGHUM HALEPENSE (L.) Pers.**Johnsongrass.**

302152. A-8539. Origin unknown.

Arghanistan.

302153. A-9371.

302154. A-9372.

302155. A-9373.

302156. A-9374. India.

302157. A-9375. Pakistan.

301144 to 302300—Continued

302152 to 302172—Continued

India.

302158. A-9377.

302159. A-9479.

302160. A-9480.

302161. O-453. Oklahoma.

Australia.

302162. O-742.

302168. O-849.

302163. O-749.

302169. O-868.

302164. O-750.

302170. O-914.

302165. O-755.

302171. O-953.

302166. O-756.

302172. O-954.

302167. O-757.

302173. SORGHUM HEWISONII (Piper) Longley

A-6155. Sudan.

302174. SORGHUM JAPONICUM (Hack.) Roshev.

A-5679. Portugal.

302175 and 302176. SORGHUM MILIACEUM (Roxb.) Snowden

India.

302175. A-4027.

302176. A-6344.

302177 and 302178. SORGHUM NIGRICANS (Ruiz & Pav.) Snowden

Portugal.

302177. A-4832.

302178. A-5673.

302179 to 302184. SORGHUM NITIDUM (Vahl) Pers.

302179. A-5698. Origin unknown.

Australia.

302180. O-773.

302183. O-777.

302181. O-775.

302184. O-833.

302182. O-776.

302185 to 302189. SORGHUM PLUMOSUM (R. Br.) Beauv.

Indonesia.

302185. A-9398.

302187. A-9400.

302186. A-9399.

302188. A-9402.

302189. O-867. Australia.

302190 to 302196. SORGHUM PROPINQUUM (Kunth) Hitchc.

Philippines.

302190. A-7172.

302191. A-7173.

Singapore.

302192. O-835.

302195. O-838.

302193. O-836.

302196. O-848.

302194. O-837.

301144 to 302300—Continued

302197 to 302199. SORGHUM sp.

302197. A-4857. Burma.

Argentina.

302198. A-5684.

302199. A-6402.

302200 to 302219. SORGHUM SUBGLABRESCENS (Steud.) Schweinf. & Aschers.

302200. A-7444. Argentina.

Ethiopia.

302201. O-990.

302211. O-1000.

302202. O-991.

302212. O-1001.

302203. O-992.

302213. O-1002.

302204. O-993.

302214. O-1003.

302205. O-994.

302215. O-1004.

302206. O-995.

302216. O-1005.

302207. O-996.

302217. O-1006.

302208. O-997.

302218. O-1007.

302209. O-998.

302219. O-1008.

302210. O-999.

302220 to 302227. SORGHUM SUDANENSE (Piper) Stapf

Sudangrass.

302220. A-22. Algeria.

302221. A-6129. Soviet Union.

302222. A-6399. Argentina.

Kansas.

302223. A-7134.

302224. A-7135.

Nigeria.

302225. A-7934.

302226. A-7935.

302227. A-7936.

302228. SORGHUM VERSICOLOR Anderss.

Black sudangrass.

A-7071. Indiana.

302229 to 302231. SORGHUM VERTICILLIFLORUM (Steud.) Stapf

Origin unknown.

302229. A-4845.

302230. A-5875.

302231. A-7277. Australia.

302232 and 302233. SORGHUM VIRGATUM (Hack.) Stapf

Tunisgrass.

Soviet Union.

302232. A-7170.

302233. A-7171.

302234. SORGHUM ROXBURGHII (Hack.) Stapf

A-4851. Burma.

301144 to 302300—Continued

- 302235.** SORGHUM sp.
A-2792. No seed.
- 302236.** SORGHUM sp.
A-4832. Portugal.
- 302237.** SORGHUM sp.
A-4864. Portugal.
- 302238.** SORGHUM sp.
A-5648. Mississippi.
- 302239.** SORGHUM sp.
A-5654. Burma.
- 302240.** SORGHUM sp.
A-5750-I. India.
- 302241.** SORGHUM sp.
A-5827. Origin unknown.
- 302242.** SORGHUM sp.
A-5828. Origin unknown.
- 302243.** SORGHUM sp.
A-5831. Origin unknown.
- 302244.** SORGHUM sp.
A-5835. Origin unknown.
- 302245.** SORGHUM sp.
A-5846. Tanganyika.
- 302246.** SORGHUM sp.
A-5856. Australia.
- 302247.** SORGHUM sp.
A-5858. Australia.
- 302248.** SORGHUM sp.
A-5859. Australia.
- 302249.** SORGHUM sp.
A-5867. Australia.
- 302250.** SORGHUM sp.
A-5868. Dominican Republic.
- 302251.** SORGHUM sp.
A-5869. Dominican Republic.
- 302252.** SORGHUM sp.
A-6062. China.
- 302253.** SORGHUM sp.
A-6064. China.
- 302254.** SORGHUM sp.
A-6069. China.
- 302255.** SORGHUM sp.
A-6070. China.

301144 to 302300—Continued

- 302256.** SORGHUM sp.
A-6113. India.
- 302257.** SORGHUM sp.
A-6117. Kansas.
- 302258.** SORGHUM sp.
A-6118. East Africa.
- 302259.** SORGHUM sp.
A-6121. Origin unknown.
- 302259.** SORGHUM sp.
A-6126. Origin unknown.
- 302261.** SORGHUM sp.
A-6127. Origin unknown.
- 302262.** SORGHUM sp.
A-6130. East Africa.
- 302263.** SORGHUM sp.
A-6131. East Africa.
- 302264.** SORGHUM sp.
A-6132. East Africa.
- 302265.** SORGHUM sp.
A-6133. East Africa.
- 302266.** SORGHUM sp.
A-6135. East Africa.
- 302267.** SORGHUM sp.
A-6351. East Africa.
- 302268.** SORGHUM sp.
A-6352. East Africa.
- 302269.** SORGHUM sp.
A-6821. East Africa.
- 302270.** SORGHUM sp.
A-6884. Indonesia.
- 302271.** SORGHUM sp.
A-7147. Indonesia.
- 302272.** SORGHUM sp.
A-7148. Indonesia.
- 302273.** SORGHUM sp.
A-7149. Indonesia.
- 302274.** SORGHUM sp.
A-7287. India.
- 302275.** SORGHUM sp.
A-7288. India.
- 302276.** SORGHUM sp.
A-7289. India.

301144 to 302300—Continued

302277. SORGHUM sp.
A-7306. India.
302278. SORGHUM sp.
A-7465. India.
302279. SORGHUM sp.
A-7471. Origin unknown.
302280. SORGHUM sp.
A-8316. India.
302281. SORGHUM sp.
O-602. Australia.
302282. SORGHUM sp.
O-663. Australia.
302283. SORGHUM sp.
O-664. Australia.
302284. SORGHUM sp.
O-772. Australia.
302285. SORGHUM sp.
O-794. Australia.
302286. SORGHUM sp.
O-795. Australia.
302287. SORGHUM sp.
O-810. Australia.
302288. SORGHUM sp.
O-818. Australia.
302289. SORGHUM sp.
O-834. Australia.
302290. SORGHUM sp.
O-850. Australia.
302291. SORGHUM sp.
O-851. Australia.
302292. SORGHUM sp.
O-852. Australia.
302293. SORGHUM sp.
O-866. Australia.
302294. SORGHUM sp.
O-869. Australia.
302295. SORGHUM sp.
O-909. Australia.
302296. SORGHUM sp.
O-910. Australia.
302297. SORGHUM sp.
O-912. Australia.

301144 to 302300—Continued**302298.** SORGHUM sp.

O-928. Australia.

302299. VETIVERIA FILIPES (Benth.) C. E. Hubb. Gramineae.

A-6566. Australia.

302300. VETIVERIA ZIZANIOIDES (L.) Nash

A-7016. India.

302301. MALUS SYLVESTRIS Mill. Rosaceae. **Common apple.**

From Southern Rhodesia. Budsticks presented by the Ministry of Agriculture, Salisbury. Received Oct. 13, 1964.

'Eickhoff'. Low chilling requirement.

302302 to 302304. CYPERUS ESCULENTUS L. Cyperaceae.**Chufa.**

From Ghana. Tubers collected by the United States Agency for International Development, Accra. Received Oct. 14, 1964.

From Togoland and Cape Coast areas of Ghana.

302302. Black round type.**302303.** Brown round type.**302304.** Brown elongated type.**302305.** PACHYPODIUM LAMEREI Drake Apocynaceae.

From France. Plants presented by J. Marnier Lapostolle, Paris. Received Oct. 15, 1964.

302306 and 302307. ZEA MAYS L. Gramineae.

From Colombia. Seeds presented by the Centro Nacional de Investigaciones Agrícolas, Medellín. Received Oct. 16, 1964.

302306. 'Chuspillu'. Bolivia.**302307.** 'Paru'. Bolivia.**302308 to 302395.** ZEA MAYS L. Gramineae.

From Colombia. Seeds presented by the Instituto Colombiano Agropecuario, Centro Nacional de Investigaciones Agrícolas "Tulio Ospina", Medellín. Received Oct. 16, 1964.

Ecuadorian collections:

302308. ECU. 318. 4149.	302321. ECU. 630. 4070.
302309. ECU. 326. 4085.	302322. ECU. 653. 4097.
302310. ECU. 328. 4132.	302323. ECU. 660. 4101.
302311. ECU. 349. 4078.	302324. ECU. 686. 4140.
302312. ECU. 350. 4096.	302325. ECU. 698. 4092.
302313. ECU. 357. 4157.	302326. ECU. 699. 4071.
302314. ECU. 368. 4108.	302327. ECU. 731. 4119.
302315. ECU. 370. 4090.	302328. ECU. 770. 4087.
302316. ECU. 372. 4067.	302329. ECU. 839. 4065.
302317. ECU. 526. 4124.	302330. ECU. 841. 4059.
302318. ECU. 542. 4099.	302331. ECU. 842. 4114.
302319. ECU. 585. 4057.	302332. ECU. 848. 4064.
302320. ECU. 604. 4133.	302333. ECU. 851. 4118.

301144 to 302300—Continued

302334. ECU. 857. 4117.	302340. ECU. 926. 4098.
302335. ECU. 872. 4094.	302341. ECU. 929. 4055.
302336. ECU. 891. 4143.	302342. ECU. 949. 4062.
302337. ECU. 895. 4166.	302343. ECU. 957. 4091.
302338. ECU. 915. 4060.	302344. ECU. 976. 4125.
302339. ECU. 920. 4126.	

Venezuelan collections:

302345. VEN. 371. 4393.	302371. VEN. 673. 4390.
302346. VEN. 397. 4241.	302372. VEN. 678. 4179.
302347. VEN. 412. 4478.	302373. VEN. 681. 4202.
302348. VEN. 455. 4187.	302374. VEN. 694. 4183.
302349. VEN. 461. 4404.	302375. VEN. 700. 4240.
302350. VEN. 467. 4416.	302376. VEN. 702. 4405.
302351. VEN. 497. 4263.	302377. VEN. 716. 4384.
302352. VEN. 513. 4209.	302378. VEN. 744. 4236.
302353. VEN. 524. 4232.	302379. VEN. 748. 4251.
302354. VEN. 530. 4238.	302380. VEN. 752. 4227.
302355. VEN. 559. 4199.	302381. VEN. 753. 4242.
302356. VEN. 567. 4216.	302382. VEN. 757. 4258.
302357. VEN. 573. 4219.	302383. VEN. 760. 4181.
302358. VEN. 581. 4235.	302384. VEN. 788. 4185.
302359. VEN. 583. 4230.	302385. VEN. 798. 4424.
302360. VEN. 585. 4206.	302386. VEN. 826. 4312.
302361. VEN. 589. 4246.	302387. VEN. 832. 4326.
302362. VEN. 590. 4284.	302388. VEN. 838. 4347.
302363. VEN. 594. 4479.	302389. VEN. 846. 4322.
302364. VEN. 602. 4217.	302390. VEN. 849. 4350.
302365. VEN. 603. 4198.	302391. VEN. 882. 4461.
302366. VEN. 605. 4229.	302392. VEN. 883. 4178.
302367. VEN. 607. 4218.	302393. VEN. 903. 4440.
302368. VEN. 618. 4177.	302394. VEN. 970. 4301.
302369. VEN. 628. 4182.	302395. VEN. 984. 4363.
302370. VEN. 662. 4225.	

302396 and 302397. PHASEOLUS VULGARIS L. Leguminosae.**Common bean.**

From Australia. Seeds presented by Arthur Yates and Company, Sydney. Received Oct. 16, 1964.

302396. 'College Early'. Resistant to race 1, anthracnose, and certain strains of bean rust.

302397. 'College Supreme'. Resistance to halo blight, common bean mosaic and good rust tolerance.

302398. LENS CULINARIS Medic. Leguminosae. Lentil.

From Jordan. Seeds presented by the United States Embassy, Amman. Received Oct. 16, 1964.

Irbid area.

302399 to 302405.

From India. Seeds presented by the Indian Agricultural Research Institute, Ministry of Food and Agriculture, New Delhi. Received Oct. 16, 1964.

302399 to 302404. *ARACHIS HYPOGAEA* L. Leguminosae.

302399. I.C. 11055. Hippargi 2-21-14-14.

302400. I.C. 11056. Pandichery-8.

302401. I.C. 11057. Safawagi 4-6.

302402. I.C. 11058. Bailhongal S-3-2.

302403. I.C. 11059. Hippargi 2-14-3-6.

302404. T.M.V. 3.

302405. *CARTHAMUS TINCTORIUS* L. Compositae.

Safflower.

I.C. 11053. A-300.

302406 to 302415. *ZEA MAYS* L. Gramineae.

From India. Seeds presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received Oct. 16, 1964.

302406. NP62-1048. 'Kenya Yellow'.

302407. NP62K-1001. AdeC17-A1-2.

302408. NP62K-1007. AdeC-A295-2.

302409. NP62K-1018. D-A1-5.

302410. NP62K-1030. G7(B).

302411. NP62K-1037. G715-A407-1.

302412. NP62K-1039. G733-A96.

302413. NP62K-1041. GdGk1-A1-1-3-1.

302414. NP62K-1095. PB4 Bulk-3.

302415. NP62K-1445. Nar330-72B-2.

302416 to 302418.

From the United States. Seed presented by the Will Seed Company, Bismark, N.D., now growing at the Regional Plant Introduction Station, Ames, Iowa. Numbered Oct. 16, 1964.

302416 and 302417. *CUCURBITA MAXIMA* Duchesne. Cucurbitaceae.

Squash.

302416. Col. No. A-148. 'Arikara Squash'. V-216. Globe or elliptical shaped fruit; 2-12 inches by 6-8 inches, slightly warty, copper or gray green. Cultivated.

302417. Col. No. A-147. 'Banquet Squash'. V-217. Oblate shaped fruit; 6-10 inches by 4-5.5 inches with grooves, flesh orange 1 to 1.5 inches thick. Cultivated.

302418. *CUCURBITA PEPO* L.

Pumpkin.

Col. No. A-146. 'Omaha Pumpkin'. V-187. Short globose or obovate fruit, 9 to 10 inches by 5 to 7 inches, skin orange, flesh light orange to one inch. Cultivated.

302419 and 302420. *LYCOPERSICON ESCULENTUM* Mill.
Solanaceae.

Tomato.

From Puerto Rico. Seeds presented by the University of Puerto Rico, Agricultural Experiment Station, Department of Plant Breeding, Rio Piedras. Received Oct. 16, 1964.

302419. 'Platillo'. FR 90 (196) M. (63-2).

302420. 'Platillo'. 78 BM (64-3).

302421. TRIFOLIUM PRATENSE L. Leguminosae. Red clover.

From Colombia. Seeds presented by the Instituto Colombiano Agropecuario, Centro Nacional de Investigaciones Agrícolas "Tulio Ospina", Medellín. Received Oct. 16, 1964.

'Trebol Rojo'. Tipo V.

302422. DIGITARIA VALIDA Stent Gramineae.

From the Union of South Africa. Stolons presented by an unknown donor, now growing at the University of Florida, Gainesville, Fla. Numbered Oct. 16, 1964.

U.F. 85.

302423. MISCANTHIUM sp. Gramineae.

From Zambia. Seeds collected by the Department of Agriculture, Choma. Received Oct. 16, 1964.

Morhipapa near Choma.

302424. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From the Union of Soviet Socialist Republics. Seeds collected by Dr. G. Fischbeck, Weihenstephan, Germany. Received Oct. 16, 1964.

'Bezostaja 1'. 64 Stw 5830.

302425. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Germany. Seeds presented by Dr. A. Lein, Einbeck, Hannover. Received Oct. 16, 1964.

'Perro'. Winter wheat.

302426. SORGHUM sp. Gramineae.

From the Republic of South Africa. Seeds presented by the Oilseeds Development Corporation Proprietary Limited, Bethal, Transvaal. Received Oct. 16, 1964.

'Ladore'.

302427 to 302440.

From Puerto Rico. Plants grown at the University of Puerto Rico, Rio Piedras. Countries of origin, as indicated. Numbered Oct. 26, 1964.

302427. CYNODON DACTYLON (L.) Pers. Gramineae.

P.R. No. 2336.

302428 and 302429. CYNODON PLECTOSTACHYUS (K. Schum.) Pilg.

Stargrass.

302428. P.R. No. 2341.

302429. P.R. No. 2342.

302430. DIGITARIA BROWNEI (Roem. & Schult.) Hughes Gramineae.

P.R. No. 6188. Australia.

302431. DIGITARIA DECUMBENS Stent

Pangolagrass.

P.R. No. 5125. Taiwan A-23.

302432. DIGITARIA PAPPOSA (R. Br.) Beauv.

P.R. No. 6190. Australia W-788.

302433 to 302439. DIGITARIA VALIDA Stent

302433. P.R. No. 1947-C. Selection from P.I. No. 208937.

302434. P.R. No. 1948-A. Selection from P.I. No. 209175.

302435. P.R. No. 1948-B. Selection from P.I. No. 209175.

302427 to 302440—Continued**302433 to 302439—Continued**

302436. P.R. No. 1951-C. Selection from P.I. No. 209178.
 302437. P.R. No. 1952-B. Selection from P.I. No. 209179.
 302438. P.R. No. 1953-A. Selection from P.I. No. 209372.
 302439. P.R. No. 2281. Cuba.

302440. DIGITARIA sp.

P.R. No. 5126. Taiwan A-69.

302441. TRIFOLIUM REPENS L. Leguminosae. Whiteclover.

From the United States. Selection made at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Oct. 20, 1964.

Col. No. G-2640. Selection made from P.I. 241460. Extremely winter hardy, heavy seed producer, vigorous, mosaic free, good spring recovery.

302442 to 302444.

From the Republic of China. Seeds presented by the Seed Multiplication Station, Tungshih, Taichung, Taiwan. Received Oct. 23, 1964.

302442. BRASSICA OLERACEA var. CAPITATA L. Cruciferae. Cabbage.

Local name: Ieh-Shen cabbage. Stem high, heads flat. Matures early 70-75 days. Low storage quality. Seed stems develop early.

302443. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

Taipei No. 2 hybrid cucumber. Slicing type. Spines white; high yields. Sowed in spring and autumn. Color green.

302444. RAPHANUS SATIVUS L. Cruciferae. Radish.

Local name: Ta-Pe-Ih radish. Summer type. Matures in 45-50 days, long, white; high yielding.

302445 to 302449.

From India. Seeds presented by the Indian Agricultural Research Institute, Ministry of Food and Agriculture, New Delhi. Received Oct. 23, 1964.

302445 and 302446. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

302445. 'Utilissima'. (I.C. 3275).

302446. 'Utilissima'. (I.C. 10664B).

302447. ELYONURUS HIRSUTUS (Vahl) Munro ex Benth. Gramineae.**302448 and 302449. TRIGONELLA FOENUM-GRaecUM L. Leguminosae.**

Fenugreek.

302448. I.C. 689.

302449. 661/Mt.

302450 and 302451.

From Argentina. Seeds presented by Universidad de Buenos Aires, Facultad de Agronomía y Veterinaria, Buenos Aires. Received Oct. 23, 1964.

302450. STIPA HUMILIS Brot. Gramineae. Feathergrass.

Gualjaina airport road, 5 km. beyond La Cancha Station, Chubut.

302451. STIPA SPECIOSA Trin. & Rupr. Desert needlegrass.

Near Laguna Zeta.

302452 to 302455.

From Australia. Seeds presented by the Commonwealth Scientific & Industrial Research Organization, Division of Plant Industry, Plant Introduction Station, Canberra. Received Oct. 23, 1964.

302452 to 302455—Continued

302452 and 302453. DACTYLIS GLOMERATA L. Gramineae. **Orchardgrass.**

302452. G1 34. From Waite Institute, Adelaide. Composite of high-altitude Algerian ecotypes.

302453. G1 35. From Waite Institute, Adelaide. Composite of low-altitude Algerian ecotypes.

302454 and 302455. PHALARIA AQUATICA L. Gramineae.

Large canarygrass.

302454. C.P.I. 19305. Originally from Morocco.

302455. C.P.I. 19331. Originally from Morocco.

302456 to 302458.

From the United States. Seeds collected by the Regional Plant Introduction Station, Agricultural Experiment Station, Experiment, Ga. Numbered Oct. 23, 1964.

302456. BRASSICA OLERACEA var. VIRIDIS L. Cruciferae. **Collard.**

'Honey Glo'. Seed donated by Bill Abbott, Four Oaks, North Carolina. Two rows of seed per capsule.

302457 and 302458. VIGNA SINENSIS (Torner) Savi. Leguminosae.

302457. Col. No. 222202-B. Component of P.I. 222202, *Phaseolus vulgaris* from Afghanistan.

302458. Col. No. 268414-B. Component of P. I. 268414, *Phaseolus sp.* from Afghanistan.

302459. ERIANTHUS sp. Gramineae.

From Brazil. Seeds collected by H. S. Irvin and T. R. Soderstrom, Smithsonian National Museum, Goias. Received Oct. 23, 1964.

Col. No. 5168.

302460 and 302461. SORBUS SCOPULINA Greene Rosaceae.

Mountain-ash.

From the United States. Seeds presented by the Regional Plant Introduction Station, Washington State University, Pullman, Washington. Received Oct. 23, 1964.

302460. No. MS-1. Potlatch, Idaho, 20 miles east in Johnson Creek drainage. Elevation 3,100 feet. Multistemmed shrub, to 8 feet high. Fruits bright red. Wild. Douglas fir, spruce, maple association.

302461. Ephraim, Utah (Great Basin). Elevation 8,500 feet. Typical. Fruit dark orange. In wild. Aspen association.

302462 to 302464. LYCOPERSICON ESCULENTUM Mill. Solanaceae.

Tomato.

From the United States. Plants now growing at the Regional Plant Introduction Station, Agricultural Experiment Station, Geneva, N.Y. Numbered Oct. 23, 1964.

302462. Col. No. G 10132. Originally from Ontario, Canada. (Campbell Soup 128 × Filipino 2) F₅. Plant 50 by 57.5 cm., stems, petioles and veins dark purple, very short internodes, locules 6; vigor good to excellent; fruit 4.0 by 4.5 cm. globe, slight radial cracking. Will germinate at 50° F.

302463. Col. No. G 10670 62-69. Originally from Germany. Extremely bushy, dwarf, determinate, very low, 35 by 55 cm., fruit 6 per cluster, 3.5 by 5.0 cm., locules 4; some radial and concentric cracking, no blossom end rot or mosaic. Color excellent external and internal. Susceptible to physiologic leafroll. Early. Adapted to mechanical harvesting.

302462 to 302464—Continued

302464. Col. No. G 11515 62-17. Originally from the Soviet Union. 'Ma-jak'. Bush dwarf, determinate, 30 by 72.5 cm., fruit 5.0 by 6.5 cm., globe, locules many, some concentric cracking; color good external and internal. Foliage dark green, heavy bearer. Early. Hold fruit up. Adapted to mechanical harvesting. At Kingston, R.I., ripened in 65 days.

302465. CENCHRUS MITIS Anderess. Gramineae. **Sandbur.**

From Kenya. Seeds presented by the National Agricultural Research Station, Department of Agriculture, Kitale. Received Oct. 26, 1964.

Mombasa.

302466. CRAMBE MARITIMA L. Cruciferae. **Common sea-kale.**

From Great Britain. Seeds presented by the Thompson and Morgan, Limited, Ipswich, England. Received Oct. 26, 1964.

'Lily White'.

302467. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

From the Netherlands. Seeds presented by the Institut Voor De Veredeling, Van Tuinbouwgewassen, Wageningen, Holland. Received Oct. 26, 1964.

Double white, stringless. Excellent quality without fiber. Plant brittle, pods arranged in small groups. Highly resistant to common bean mosaic, yellow mosaic, anthracnose, and halo blight.

302468. SORGHUM NITIDUM (Vahl) Pers. Gramineae.

From Australia. Seeds presented by Meringa Sugar Experimental Station, Cairns. Received Oct. 6, 1964.

Gordonvale, Queensland.

302469 and 302470.

From Indonesia. Seeds presented by the Agency for International Development Mission to Indonesia, Djakarta. Received Oct. 27, 1964.

302469. INDIGOFERA CONFUSA Prain & Baker Leguminosae.

302470. INDIGOFERA SUMATRANA Gaertn.

302471. NICOTIANA WIGANDIODES C. Koch & Fint. Solanaceae.

From Bolivia. Seeds collected by the Ministerio de Agricultura, Servicio Agrícola Inter-Americano, La Paz. Received Oct. 27, 1964.

Siberia Chica, Carrasco Province, Cochabamba Department. Mountain rain forest. Elevation 200 m.

302472 and 302473.

From Greece. Seeds presented by R. M. Love, Department of Agronomy, University of California, Davis, Calif. Received Oct. 27, 1964.

302472. ANAGYRIS FOETIDA L. Leguminosae.

Col. No. 40. Collected in wild by C. C. Kitsos, Kalavarda, Rhodes. Shrub, legume, reported to be both good and bitter.

302473. PHALARIS AQUATICA L. Gramineae. **Large canarygrass.**

Col. No. 37. 'Maza'. Collected in wild by G. Hanestakis, Lasitha Plateau, Crete.

302474 to 302478.

From Bolivia. Seeds and herbarium specimens presented by the Servicio Agrícola Inter-Americano, La Paz. Received Oct. 27, 1964.

302474. GOSSYPIUM sp. Malvaceae.

Magdalena, Itenez Province, Beni Department.

302474 to 302478—Continued**302475.** *NICOTIANA TABACUM* L. Solanaceae.

Magdalena, Itenez Province, Beni Department. Elevation 236 meters. Savanna climate, rainfall 1,553 mm., temperature 27° C.

302476. *NICOTIANA PLUMBAGINIFOLIA* Viv.

San Javier, Nuflo de Chavez Province, Santa Cruz Department. Elevation 710 meters. Savanna climate, rainfall 1,022 mm., temperature 24° C. Found in badly drained soils and ditches along streets.

302477. *NICOTIANA OTOPHORA* Griseb.

Taruma, Cochabamba Highway 440 km. from Santa Cruz, Ibanex Province, Santa Cruz Department. Elevation 450 meters. Jungle climate 23° C.

302478. *NICOTIANA PLUMBAGINIFOLIA* Viv.

Trinidad, Cercado Province, Beni Department. Elevation 236 meters. Savanna climate, rainfall 1,654 mm., temperature 27° C. Heavy clay, badly drained soil.

302479 to 302484.

From the United States. Seeds collected by G. Viehmeyer, University of Nebraska, Lincoln, Neb. Numbered Oct. 27, 1964.

302479. *PENSTEMON LARICIFOLIUS* Hook. & Arn. Scrophulariaceae.

Col. No. V63-55. From the wild, 20 miles south of Ten Sleep, Wyo.; site dry; soil red. Low caespitose perennial; mats 6 inches in diameter; flowering scapes 6 inches high.

302480. *PENSTEMON LINARIOIDES* A. Gray

Col. No. V64-133. Schnebly Hall Road at the Mogollon Rim northeast of Sedona, Ariz. Elevation 6,600 feet. Cultivated; plant fruticose; flowering stems lax and spreading to 16 inches. Leaves linear 0.8 to 1 inch long, .085 inch wide. Flowers 0.6 inch long, 0.4 inch wide; upper lobes erect, lower reflexed. Sepals 0.24 inch to 0.32 inch. Staminoid with golden hairs.

302481. *PENSTEMON NUDIFLORUS* A. Gray

Col. No. V63-197. South of Crawford, Colo., 7 miles. In wild, dry site. Rosettes low, reddish green. (May be an *Aurator*.)

302482. *PENSTEMON STRICTUS* Benth.

Col. No. V63-187. Green Mountain area 10 miles north of east entrance to Black Canyon of the Gunnison National Monument, Colo. Dry site, heavily grazed. Leaves in rosettes, dull green, spatulate.

302483. *PENSTEMON STRICTUS* subsp. *STRICTIFORMIS* (Rydb.) Keck

Col. No. V64-332. East of Durango, 31 miles on U.S. 160 near Piedra, Colo. Spikes 24-30 inches; flowers deep blue. Basal rosette conspicuous.

302484. *PENSTEMON WATSONII* A. Gray

Col. No. V63-124. South of Redstone, Colo., 3 miles. Full sun, rocky soil, in wild. Plant to 18 inches high; smooth; stems many; leaves all cauline. Flowers .75 inch long, deep purple. Staminoid bearded yellow.

302485 to 302488.

From the United States. Plants collected by J. B. Storey, Soil and Crops Sciences, Texas A. & M. University, College Station, Tex. Numbered Oct. 30, 1964.

302485. *CARYA ILLINOENSIS* (Wang.) K. Koch Juglandaceae. **Pecan.**

Col. No. Tex. 53. 'De Witt Special' (RN63). In wild 2 miles north Hochheim, Dewitt County, Yoakum. Tree to 28 feet high; many branched, deep-green foliage; 69.3 nuts/lb., 56.6 percent kernel. Champion native pecan at 1963 Texas Pecan Growers Association.

302485 to 302488—Continued

302486 to 302488. MALUS PUMILA Mill. Rosaceae.

302486. Col. No. Tex 31. Near house of J. V. Cook, Route 6, Gilmer, Tex., in Union Ridge Community. Fruit, skin red, flesh good quality. Matures late June.

302487. Col. No. Tex 32. Tree near home of J. V. Cook, Route 6, Gilmer, Tex., in Union Ridge Community. Probably same as P.I. 302486.

302488. Col. No. Tex 33. Past well of J. V. Cook, Route 6, Gilmer, Tex., in Union Ridge Community. Similar to P.I. 302486.

302489. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From France. Tubers presented by the Agricultural Attache American Embassy, Paris. Received Dec. 3, 1964.

'Kerpondy'.

302490. LESQUERELLA sp. Cruciferae.

From the United States. Seeds collected near Ajo, Arizona, by H. S. Gentry, agricultural explorer, Crops Research Division, Beltsville, Md., May 1964. Numbered Dec. 8, 1964. Mixture of *L. gordonii* and *L. palmeri*.

302491 to 302525.

From the United States. Plants collected by J. B. Storey, Soil and Crop Sciences, Texas A. & M. University, College Station, Tex. Numbered Oct. 30, 1964.

302491. PRUNUS ARMENIACA L. Rosaceae. **Apricot.**

Col. No. Tex 45. 'Kurten Apricot'. In garden of Mrs. J. R. Wolf, Kurten, Tex. Tree vigorous; fruit yellow skin and flesh. Seedling.

302492 to 302515. PRUNUS PERSICA (L.) Batsch **Peach.**

302492. Col. No. Tex 7. 'Slayton'. In back of Norman P. Maxwell's house, Progreso, Tex. White freestone, of South China origin. Prolific and heavy fruit bearer. Deciduous for very short period in winter.

302493. Col. No. Tex 8. Tree 2.5 miles south of Highway 83 on Mile 3 Road, Weslaco, Tex. Allegedly freestone.

302494. Col. No. Tex 9. Backyard of Taylor Stuckman, Hampshire, Jefferson County, Tex. Tree to 15 feet high. Reniform glands. Fruit firm, yellow freestone; oblong, less red than 'Elberta'. Matures late July.

302495. Col. No. Tex 10. 'Mae Gaulding'. Behind garage of Fred Gaulding, Route 2, Box 444, Beaumont, Jefferson County, Tex. Tree to 12 feet. Fruit extra large, red skin, white flesh, semicling. Reported good quality. Matures early June.

302496 to 302502. Orchard of Homer Hutchens, Grandview, Tex.

302496. Col. No. Tex 11. Fruit large, matures late July. Texture firm, cling. Seedling of 'Frank'.

302497. Col. No. Tex 12. Fruit matures late July. Cling. Seedling of 'Frank'.

302498. Col. No. Tex 13. Fruit large, matures two weeks earlier than 'Frank'. Medium textures, flesh reddish. Cling.

302499. Col. No. Tex 14. Fruit matures late July. Fine texture. Resembles 'Indian' in flavor. Cling.

302500. Col. No. Tex 15. Fruit extra large. Blooms with 'Frank'. Cling.

302501. Col. No. Tex 16. Tree very large, yield eight bushel per year. Texture stringy. Cling.

302491 to 302525—Continued

302496 to 302502—Continued

302502. Col. No. Tex 17. Fruit large, matures late July. Slightly stringy.
302503. Col. No. Tex 21. North slope of orchard, Route 1, Box 50 A-1, Natalia, Tex. Tree produces abundance of fruit; flesh firm, yellow; skin yellow with red blush. Matures late July, early August.
302504. Col. No. Tex 22. Backyard of 2135 Evergreen Drive, Port Arthur, Tex. Seedling of 'Elberta' type.
302505. Col. No. Tex 34. 'Joes's Delight'. Near residence of N. H. Hander, Route 1, Belton, near junction of Highway 317 and Leon River. Profuse late bloomer, high yielder, skin red with slight yellow. Yellow freestone, matures early June. Seedling of 'Burbank July Elberta' named 'Marie'.
302506. Col. No. Tex 36. Three miles east of San Saba near Barnett Springs Ranch, San Saba, Tex. Tree vigorous with heavy foliage. Matures late May. Cling.
302507. Col. No. Tex 37. 'Fall' or 'Honey Peach'. Three miles east of San Saba near Barnett Springs Ranch, San Saba, Tex. Tree fast growing, dark green foliage. Skin dark, flesh yellow, cling. Matures October.
302508. Col. No. Tex 38. Three miles east of San Saba near Barnett Springs Ranch, San Saba, Tex. Tree vigorous; fruit very large; flesh yellow, freestone.
302509. Col. No. Tex 39. Near highway north of Hico, Tex., skin red, flesh yellow, freestone. Matures late July. From orchard of J. W. Westbrook, V. A. Center, Temple, Tex.
302510. Col. No. Tex 47. Westbrook Peach Seedling No. 1. Skin yellow, flesh yellow, firm, freestone, seed very small. Matures late May.
302511. Col. No. Tex 48. Westbrook Peach Seedling No. 2. Skin red, flesh yellow, freestone.
302512. Col. No. Tex 49. Westbrook Peach Seedling No. 3. Tree prolific, semidwarf. Skin yellow with considerable red. Almost fuzzless. Flesh yellow, freestone. Shape round, quality high.
302513. Col. No. Tex 50. Westbrook Peach Seedling No. 4. Skin yellow flushed with red; flesh yellow, freestone.
302514. Col. No. Tex 51. Westbrook Peach Seedling No. 5. Skin yellow flushed red; flesh yellow, freestone. Matures early July.
302515. Col. No. Tex 52. Westbrook Peach Seedling No. 6. Skin yellow flushed with red, almost fuzzless. Flesh yellow, freestone. Quality high.
302516. PRUNUS PERSICA var. NECTARINA (Ait.) Maxim. Nectarine.
Col. No. Tex 18. 'Coldspring Nectarine'. Tree near Cold Spring, Tex., property owned by Mr. J. P. Hill, Route 3, Cleveland, Tex. Fruit large, smooth, deep red at maturity, excellent quality.
302517. PRUNUS SALACINA Lindl.
Col. No. Tex 29. 'Santa Rosa'. Lenis Wells pasture near Lindale, Smith County. Tree has Santa Rosa appearance but seems to have more disease resistance than usual Santa Rosa.
- 302518 to 302525. PYRUS (hybrid) Rosaceae.
All *P. serotina* × *P. communis*.
302518. Col. No. Tex 24. In poultry yard, Mrs. E. P. Brooks, Peach Tree Community, Route 3, Jasper, Tex. Tree to 40 feet high, vigorous. Considered summer pear.

302491 to 302525—Continued**302518 to 302525—Continued**

302519. Col. No. Tex 25. In pasture near road to Mrs. E. P. Brooks place, Peach Tree Community, Route 3, Jasper, Tex. Tree to 25 feet high, weak. Considered a summer pear.

302520. Col. No. Tex 26. Side of roadshade W. Griffin place, Peach Tree Community, 11 miles west of Jasper, Tex. Tree decayed down center but foliage healthy, wired together in fork. Quality excellent, matures July and August.

302521. Col. No. Tex 27. 'Bartlett?'. In forest in old abandoned orchard Dick Griffin's place, Peach Tree Community, Jasper County, Tex. Fruit pyriform, small, matures late July. Fire blight resistant.

302522. Col. No. Tex 28. 'Apple Pear'. In forest in old abandoned orchard Dick Griffin's place, Peach Tree Community, Jasper County, Tex. Fruit round, apple shaped.

302523. Col. No. Tex 55. Elgin-McDade, Bastrop County, in orchard owned by Dan Wolfe. Now in 201 Nursery. Skin smooth like French Pear.

302524. Col. No. Tex 56. 'Bandera Pear'. (Le Conte Seedling). Bandera, Tex. Tree extremely large, produced over 50 bushels in one season.

302525. Col. No. Tex 23. Near road in Laurel Community, Newton County, Tex. on Route 1, Box 241, Buna, Tex. Probably Kieffer type.

302526. ARABIDOPSIS THALIANA (L.) Heynh. Cruciferae.

From Pakistan. Seeds presented by E. Nasir, Gordon College, Rawalpindi. Collected March 1964. Received Nov. 2, 1964.

Col. No. 2509. Fatehpur Swat. Elevation 3,500 feet. Plant grows in open and field borders, plains and hills but not common. Flowers tiny, white. Spring.

302527. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Australia. Seeds presented by the Roseworthy Agricultural College, Roseworthy. Received Nov. 2, 1964.

'Faun'.

302528 to 302542. PHASEOLUS VULGARIS L. Leguminosae.**Common bean.**

From the United States. Seeds presented by the Regional Plant Introduction Station, Agricultural Experiment Station, Geneva, N.Y. Numbered Nov. 2, 1964.

302528. Col. No. G-14147. Cultivated, bush to halfrunner, 13 by 18 inches; vigor 4. Pods beakless, constricted between seeds, purple. Seeds large, flat, oval, glossy tan, flecked purple. Bacterial blight 0, BV1 6. Late.

302529. Col. No. G-14148. 'Buerre Dore'. Cultivated, bush, 13 by 19 inches, uniformity 7, vigor 4; pods flat, straight, wax. Seeds medium sized, plump, oval, glossy tan. Bacterial blight 0, BV1 7.

302530. Col. No. G-14149. 'Buerre Crayon'. Cultivated, bush, 13 by 16 inches, uniformity 6, vigor 5; pod double barreled, wax. Seeds large, long, oval, glossy, black. Bacterial blight 0, BV1 7.

302531. Col. No. G-14150. 'Buerre St. Fiacre'. Cultivated, pole type, 32 by 14 inches, uniformity 8, vigor 6. Golden stems, petioles and tendrils; seeds large, long oval, glossy, light brown streaked dark brown. Bacterial blight 0, BVI 7.

302532. Col. No. G-14160. 'Extra Hatif Bunch'. Cultivated, dwarf bush, 11 by 11 inches, uniformity 7, vigor 4; pod short, round, fibrous, straight. Seeds medium sized, plump, oval, dull white. Bacterial blight 0, BVI 3.

302528 to 302542—Continued

- 302533.** Col. No. G-14161. 'Fin de Monclar Vilmorin'. Cultivated, dark green bush, 12 by 16 inches, uniformity 6, vigor 5; pod long, slender, fibrous, stringed. Seed medium sized, elongate cylindrical, glossy, black. Heavy set on small plants. Bacterial blight 0, BVI 0-2.
- 302534.** Col. No. G-14162. 'Fin de Villeneuve'. Cultivated, bush, 15 by 18 inches, uniformity 5, vigor 7. Leaves large, rugose dark green; pods long, slender, fibrous. Seeds medium sized, elongate cylindrical, bluish-purple striped and flecked tan. Poor producer. Bacterial blight 0, BVI 8.
- 302535.** Col. No. G-14163. 'Mangetout de St. Fiacre'. Cultivated, pole plant, 35 by 19 inches, uniformity 6, vigor 6; pods rough, constricted between seeds, wax type; seeds medium sized, flatish oval, glossy, greyish tan. Bacterial blight 0, BVI 7.
- 302536.** Col. No. G-14164. 'Mangetout Saxa'. Cultivated, bush, 13 by 17 inches, uniformity 7, vigor 4. Pods flat, straight, constricted between seeds. Seeds medium sized, plump, rectangular, glossy, tan to yellowish tan. Bacterial blight 0-2, BVI 4.
- 302537.** Col. No. G-14165. 'Mont d'or'. Cultivated, bush, 12 by 16 inches, uniformity 7, vigor 7. Pods small, straight, wax type; seeds large, plump, oval, glossy black. Heavy set on small plants. Bacterial blight 0, BVI 3.
- 302538.** Col. No. 14166. 'Old Fashioned Bunch'. Cultivated, bush, 15 by 14 inches, uniformity 3, vigor 6. Pods large, constricted between seeds, tender. Seeds large, short, plump, broad oval, red-striped tan. Bacterial blight 0-2, BVI 4.
- 302539.** Col. No. G-14168. 'Tres Hatif de Massy'. Cultivated, bush, 11 by 14 inches, uniformity 4, vigor 3. Pod large, flat, rough, unattractive. Seeds large, flat kidney, dull white. Common bacterial blight in pods rated 7. BVI 9.
- 302540.** Col. No. G-14169. 'Triomphe de Farcy'. Cultivated, bush, 13 by 16 inches, uniformity 8, vigor 8. Pods large in doubles and triplets, long, slender and straight. Seeds medium sized, elongate cylindrical, bluish-purple flecked tan. Bacterial blight 0, BVI 0-1.
- 302541.** Col. No. G-14170. 'Regalfin'. Cultivated, bush, 12 by 15 inches, uniformity 8, vigor 7. Pods long, slender, round, green splashed purple. Seeds medium sized, elongate cylindrical, glossy, brownish-tan striped and flecked purple. Bacterial blight 0, BVI 0-2.
- 302542.** Col. No. G-14171. 'Roi des Buerres'. Cultivated, bush, 14 by 14 inches, uniformity 4, vigor 3-5. Pods round and curved, waxy green. Seeds medium sized, long, plump, oval, dull white. Bacterial blight 6, BVI 9-1.

302543. FRAGARIA (hybrid). Rosaceae.

From Great Britain. Plants presented by Fred Spinks, Scarborough, England. Received Nov. 3, 1964.

'White Carolina'.

302544 to 302606.

From the United States. Seeds held at the Pacific Southwest Forage and Range Experiment Station, Berkeley, Calif. All were collected in Turkey by D. R. Cornelius and subsequently grown in the United States. Numbered Nov. 3, 1964.

302544. TRIFOLIUM ALPESTRE L. Leguminosae. **Purple globe clover.**

Col. No. 714. Bagdasan Koyu, Ardahan Provnce.

302545 to 302547. TRIFOLIUM AMBIGUUM Bieb. **Kura clover.**

302545. Col. No. 669. Kocili Koyu.

302546. Col. No. 710. Bagdasan Koyu, Ardahan Province.

302544 to 302606—Continued**302545 to 302547—Continued**

302547. Col. No. 713. Bagdasan Koyu, Ardahan Province.

302548. *TRIFOLIUM ERIOSPHOERUM* Boiss.

Col. No. 617C. Highway Erzurum-Ispir to Kuzgun Koyu.

302549 to 302561. *TRIFOLIUM FRAGIFERUM* L. Leguminosae.

Strawberry clover.

302549. Col. No. 365. Salamis area, Famagusta, Cyprus Island.

302550. Col. No. 386. Aliaye Dorviz Paza Ciftligi, north of Izmir, Izmir Province. Elevation 40 meters.

302551. Col. No. 541. Hafik Inekhanesi, Sivas Province, two km. east of Hafik.

302552. Col. No. 576. Moist bottom land, 15 km. east of Erzincan, Erzincan Province.

302553. Col. No. 587. Dry hillside, Cinar Koyu, Tercan District, Erzurum Province.

302554. Col. No. 601. Ataturk Universitesi land (bottom land), Erzurum Province.

302555. Col. No. 655. Tuzluca, Kars Province. Elevation 1,700 meters. Irrigated.

302556. Col. No. 803. Gelemen near State Farm, Irmak Sisti, Samsun Province.

302557. Col. No. 811. Old cemetery, Gelemen near State Farm, Samsun Province.

302558. Col. No. 838. Sakarya River origin.

302559. Col. No. 844. Sakarya River origin.

302560. Col. No. 856. Clearing in oak, hazelnut, plum brush, Taskopru, Eskisehir Province. Elevation 4,500 feet.

302561. Col. No. 896. Bolu-Duzce, Topcular Koyu, Adipazari Province.

302562 and 302563. *TRIFOLIUM HYBRIDUM* L. Leguminosae. **Alsike clover.**

302562. Col. No. 856. Clearing in oak, hazelnut, plum bush, Taskopru, Eskisehir Province. Elevation 4,500 feet.

302563. Col. No. 939.

302564. *TRIFOLIUM HYBRIDUM* ssp. *ANATOLICUM* (Boiss.) Hoss. Leguminosae.

Col. No. 572. Cimen Yaylas, Mihar Koyu (Kocyatagi Koyu), Erzincan Province.

302565. *TRIFOLIUM PAUCIFLORUM* Urv. Leguminosae.

Col. No. 370F. Kozak Mountain, northwest of Pergama, Izmir Province. Elevation 900 meters.

302566 to 302573. *TRIFOLIUM PHYSODES* Stev. ex Bieb. Leguminosae.

302566. Col. No. 21. Alman Pinari, Osmaniye, Adana Province.

302567. Col. No. 29. Hasanbeyli, few kilometers below Alman Pinarli, Karatash-Adana Province.

302568. Col. No. 151A. Huseyikan-Silvan, Diyarbakir Province.

302569. Col. No. 151B. Huseyikan-Silvan, Diyarbakir Province.

302570. Col. No. 170. Gumusorgu Koyu, Siirt Province.

302571. Col. No. 227. Keferdiz, Taurus Mountains, Gaziantep Province, Ak Yokus (Keferdizi'in Yani). Elevation 1,750 meters.

302544 to 302606—Continued**302566 to 302573—Continued**

- 302572.** Col. No. 231. Demirodul Kigu, Gaziantep Province.
- 302573.** Col. No. 919. Dry, basaltic area, Ucbas Koyu, three km. south of Kizilcaham ridge, Ankara Province.
- 302574 to 302588.** *TRIFOLIUM PRATENSE* L. Leguminosae. **Red clover.**
- 302574.** Col. No. 320. Birgi Bozdag yolu, Odemis Province, 138 km. from Izmir.
- 302575.** Col. No. 329. Bozdag yolu, about 148 km. southeast of Izmir, Odemis Province. Elevation 650 meters.
- 302576.** Col. No. 530. Hafik Inekhanesi, 2 km. east of Hafik, Sivas Province.
- 302577.** Col. No. 535. Hafik Inekhanesi, 2 km. east of Hafik, Sivas Province.
- 302578.** Col. No. 652. Tuzluca, Kars Province. Elevation 1,700 meters. Irrigated.
- 302579.** Col. No. 683. Kocili Koyu.
- 302580.** Col. No. 716. Bagdasan Koyu, Ardahan Province.
- 302581.** Col. No. 783. Irrigated meadow along river, Harava, Gumushane Province.
- 302582.** Col. No. 794. Armelit Koyu, Kesap District, Giresun Province.
- 302583.** Col. No. 804. Gelemen near State Farm, Irmak Sisti, Samsun Province.
- 302584.** Col. No. 805-B. Old cemetery, Gelemen near State Farm, Samsun Province.
- 302585.** Col. No. 861. Clearing in oak, hazelnut, plum brush, Taskopru, Eskisehir Province. Elevation 4,500 feet.
- 302586.** Col. No. 870. Clearing in oak, hazelnut, plum brush, Taskopru, Eskisehir Province. Elevation 4,500 feet.
- 302587.** Col. No. 913. Camlidere, Orman Fidanlege, Bolu to Ankara highway.
- 302588.** Col. No. 940.
- 302589.** *TRIFOLIUM RADICOSUM* Boiss. & Hohen. Leguminosae.
Col. No. 709. Bagdasan Koyu, Ardahan Province.
- 302590 to 302605.** *TRIFOLIUM REPENS* L. Leguminosae. **Whiteclover.**
- 302590.** Col. No. 322. Birgi Bozdag yolu, 138 km. from Izmir, Odemis Province.
- 302591.** Col. No. 324. Birgi Bozdag yolu, 138 km. from Izmir, Odemis Province.
- 302592.** Col. No. 326B. Birgi Bozdag yolu, 138 km. from Izmir, Odemis Province.
- 302593.** Col. No. 331. Bozdag yolu, about 148 km. southeast of Izmir, Odemis Province. Elevation 650 meters.
- 302594.** Col. No. 563. Besgoz Mevkii, Hihar Koyu (Kocyatapi Koyu), Erzincan Province. Elevation 1,500 meters.
- 302595.** Col. No. 654. Tozluca, Kars Province. Elevation 1,700 meters. Irrigated.
- 302596.** Col. No. 663. Malik Koyu, Kars Province. Elevation 1,800 meters.

302544 to 302606—Continued**302590 to 302605—Continued**

302597. Col. No. 707. Bagdasan Koyu, Ardahan Province.
 302598. Col. No. 784. Irrigated meadow along river, Harava, Gumushane Province.
 302599. Col. No. 794B. Armetit Koyu, Kesap District, Giresun Province.
 302600. Col. No. 805A. Old cemetery, Gelemen near State Farm, Samsun Province.
 302601. Col. No. 856. Clearing in oak, hazelnut, plum brush, Taskopru, Eskisehir Province. Elevation 4,500 feet.
 302602. Col. No. 856B. Clearing in oak, hazelnut, plum brush, Taskopru, Eskisehir Province. Elevation 4,500 feet.
 302603. Col. No. 877. Bilecik cemetery, Bilecik Province.
 302604. Col. No. 886. Geyve, Adipazari Province.
 302605. Col. No. 900. Bolu to Ankara highway, Camlidere, Orman Fidanlege.

302606. TRIFOLIUM SCUTATUM Boiss. Leguminosae.

Col. No. 363C. Kozak Mountain, northwest of Pergama, Izmir Province. Elevation 700 meters.

302607 to 302611. VITIS VINIFERA L. Vitaceae.**European grape.**

From the Union of Soviet Socialist Republics. Cuttings presented by the Institute of Plant Industry, Leningrad. Received Nov. 3, 1964.

Obtained from the Schroeder Institute of Horticulture, Grapes and Wine-making, Tashkent, Uzbek Republic, U.S.S.R.

302607. 'Kara-Djandjal'. An Uzbek native selection not widely cultivated. Used largely as a table grape. Matures late (middle of September in Tashkent). Fruit large, oval, black.
 302608. 'Nimrang'. Widely grown Central Asian table variety. Used for winter storage and for wine making. Matures late. Fruit large, obovate, light yellow with a pink blush.
 302609. 'Shtur-Angur'. Rare Central Asian table-raisin variety. Fruit large, cylindrical, dark red, very firm. Heavy producer. Medium to late maturing.
 302610. 'Taifi'. Central Asian late table variety. Not widely cultivated. Transports well and also used for winter storage. Fruit large, cylindrical, rose colored. Heavy producer.
 302611. 'Tana-Kuzi'. Central Asian variety widely grown in the Uzbek Republic. Used both for the table and as raisins. Harvested in September. Fruit large, spheroid, bright red to greenish.

302612 to 302659.

From Great Britain. Plants purchased from Hillier and Sons, Winchester, England. Numbered Nov. 4, 1964.

302612 to 302621. CALLUNA VULGARIS (L.) Salisb. Eriaceae. Heather.

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| 302612. 'Alportii'. | 302617. 'H. E. Beale'. |
| 302613. 'County Wicklow'. | 302618. 'J. H. Hamilton'. |
| 302614. 'C. W. Nix'. | 302619. 'Kit Hill'. |
| 302615. 'Flore Plena'. | 302620. 'Mair's White'. |
| 302616. 'Hammondii Aurea'. | 302621. 'Pallida'. |

302612 to 302659—Continued

- 302622 and 302623. *CALLUNA VULGARIS* f. *ALBA* (West.) Braun-Blanquet
 302622. 'Minor'.
 302623. 'Plenex'.
302624. *CALLUNA VULGARIS* f. *AUREA* (Don) Beijerinck
302625. *CALLUNA VULGARIS* f. *FOXII* (Bean) Rehder
- 302626 to 302628. *CALLUNA VULGARIS* f. *SEARLEI* (Fraser) Rehder
 302626. No data.
 302627. 'Argentea'.
 302628. 'Aurea'.
- 302629 to 302637. *ERICA CARNEA* L. Ericaceae. Spring heath.
 302629. 'Atrorubra'. 302634. 'Queen of Spain'.
 302630. 'Gracilis'. 302635. 'Ruby Glow'.
 302631. 'James Backhouse'. 302636. 'Vivelli'.
 302632. 'King George'. 302637. 'Winter Beauty'.
 302633. 'Mrs. Samuel Doncaster'.
302638. *ERICA CINEREA* L. Twisted heath.
 'C. D. Eason'.
- 302639 and 302640. *ERICA CINEREA* f. *ALBA* (Sincl.) Zabel Twisted heath.
 302639. 'Major'.
 302640. 'Minor'.
302641. *ERICA CINEREA* f. *ATORRUBENS* (Sincl.) Rehder Twisted heath.
 302642. *ERICA CINEREA* f. *FULGIDA* (Reg.) Rehder Twisted heath.
- 302643 to 302645. *ERICA* × *DARLEYENSIS* Bean
 302643. 'George Rendall'.
 302644. 'Silberschmeize'.
 302645. No data.
302646. *ERICA MACKII* var. *WATSONII* (Benth.) Rehder
 'H. Maxwell'.
- 302647 to 302649. *ERICA MEDITERRANEA* L. Biscay heath.
 302647. 'Brightness'.
 302648. 'Superba'.
 302649. 'W. T. Rackliff'.
- 302650 to 302652. *ERICA TETRALIX* L. Crossleaf heath.
 302650. 'Mary Grace'.
 302651. 'Pink Glow'.
 302652. 'Rosea'.
302653. *ERICA TETRALIX* f. *ALBA* (Ait.) Braun-Blanquet. Crossleaf heath.
 302654. *ERICA TETRALIX* subsp. *LAWSONIANA* Hort. ex Macfarlane
 Crossleaf heath.
- 302655 to 302658. *ERICA VAGANS* L. Cornish heath.
 302655. 'Kevernensis'. 302657. 'Lyonesse'.
 302656. 'Kevernensis Alba'. 302658. 'Mrs. D. F. Maxwell'.
302659. *ERICA VAGANS* f. *RUBRA* (Dipp.) Zabel Cornish heath.

302660 to 302664.

From Indian. Seeds presented by the Government Livestock Farm Kamand, Mandi, Himachal Pradesh. Received Nov. 4, 1964.

- 302660.** CHRYSOPOGON GRYLLUS (L.) Trin. Gramineae.
Elevation 6,000 to 8,000 feet. Nutritious summer species.
- 302661.** DACTYLIS GLOMERATA L. Gramineae. **Orchardgrass.**
Elevation 7,000 feet. Collected at Dalhousie.
- 302662.** ELEUSINE CORACANA (L.) Gaertn. Gramineae. **Ragi.**
'Finger Millet'. Summer annual.
- 302663.** VULPIA MYUROS (L.) Gmel. Gramineae.
Elevation 7,000 to 8,000 feet. Winter-spring annual; leaves narrow, fine, glabrous. Grows under light shade. Reseeds heavily.
- 302664.** LOLIUM TEMULENTUM L. Gramineae. **Darnel.**
Elevation 4,000 to 6,000 feet. Winter-spring annual.

302665 and 302666.

From the United States. Seeds presented by Desmond D. Dolan, Regional Plant Introduction Station, Agricultural Experiment Station, Geneva, N.Y. Numbered Nov. 4, 1964.

- 302665.** CAPSICUM ANNUM L. Solanaceae. **Pimento.**
G9596 63-129. 'Blanco del Pais'. Originally from Puerto Rico. Dwarf plant not over 1 foot high, leaves pale green. Flowers very white, fruit mammoth, good yield (12.5 cm. by 5.8 cm.), golden wax turning red. White pepper, cultivated.
- 302666.** PISUM SATIVUM L. Leguminosae. **Pea.**
G7745. 'Kralovna Konservy'. Originally from Czechoslovakia. Plant tall, 17 nodes to first flower, not leafy, maturity medium early, pods flat 7.6 cm. by 1.4 cm. Very susceptible to powdery mildew and bacterial spot; frequent doubling. Selection made at Geneva from P.I. 250440 for high ovule number (10-11 per pod).

302667 to 302670. SACCHARUM (hybrid). Gramineae. Sugarcane.

From the Dominican Republic. Cuttings presented by the Central Romana Corporation, La Romana. Received Nov. 9, 1964.

- 302677.** Sample No. 1. Romana Category 1. Strain A B43337.
- 302668.** Sample No. 2. Romana Category II. Strain B B43337.
- 302669.** Sample No. 3. Romana Category III. Strain D B37161.
- 302670.** Sample No. 4. Romana Category IV. Strain E B43337.

302671. EUCHLAENA PERENNIS Hitchcock Gramineae.

From the Republic of South Africa. Collected by A. J. Oakes, agricultural explorer, Crops Research Division, Beltsville, Md., from College of Agriculture, Potchefstroom, Transvaal. Received Feb. 20, 1964. Numbered Nov. 12, 1964.

B55930. DL/64/157. Cuttings.

302672 to 302757.

From the Netherlands. Bulbs purchased from the C. G. Van Tubergens, Haarlem. Received Nov. 9, 1964. Numbered Nov. 12, 1964.

- 302672.** CHIONODOXA GIGANTEA Hort. Liliaceae.
- 302673.** CHIONODOXA LUCILIAE Boiss. **Glory-of-the-snow.**

302672 to 302757—Continued

302674. *CHIONODOXA TMOLUSII* Hort.
- 302675 to 302679. *CROCUS* (hybrid). Iridaceae.
302675. 'Flower Record'.
302676. 'Jeanne d'Arc'. 2nd size.
302677. 'King of the Striped'.
302678. 'Large Yellow'.
302679. 'Queen of the Blues'.
- 302680 to 302688. *CROCUS CHRYSANTHUS* Herb.
302680. 'Blue Bird'. 302685. 'Ladykiller'.
302681. 'Blue Pearl'. 302686. 'Princess Beatrix'.
302682. 'Creamy Beauty'. 302687. 'Snow Bunting'.
302683. 'E. Aug. Bowles'. 302688. 'Zwanenburg Bronze'.
302684. 'E. P. Bowles'.
302689. *CYCLAMEN NEAPOLITANUM* Tenore Primulaceae.
Neapolitan cyclamen.
302690. *ERANTHIS HYEMALIS* (L.) Salisb. Ranunculaceae.
Winter-aconite.
302691. *FRITILLARIA MELEAGRIS* Linn. Liliaceae.
'Aphrodite'.
302692. *GALANTHUS ELWESII* Hook. f. Amaryllidaceae.
302693. *GALANTHUS NIVALIS* L. Snowdrops.
302694. *IRIS* (hybrids). Iridaceae.
'Danfordiae'.
- 302695 to 302699. *IRIS RETICULATA* Bieb. Netted iris.
302695. 'Cantab'. 302698. 'Royal Blue'.
302696. 'Hercules'. 302699. 'Violet Beauty'.
302697. 'Joyce'.
302700. *LEUCOJUM VERNUM* L. Amaryllidaceae. Spring snowflake.
- 302701 to 302710. *NARCISSUS* (hybrid). Amaryllidaceae.
Trumpet Daffodils.
302701. 'John Evelyn'.
302702. 'Queen of Bicolors'.
- Triandrus hybrids.
302703. 'Horn of Plenty'.
302704. 'Silver Chimes'.
302705. 'Stroke'.
302706. 'Tresamble'.
- Cyclamineus hybrids.
302707. 'February Gold'.
302708. 'Peeping Tom'.
- Jonquils and Jonquil hybrids.
302709. 'Jonquilla'.
302710. 'Trevithian'.

302672 to 302757—Continued

302711. *NARCISSUS BULBOCODIUM* L. Petticoat daffodil.
 302712. *NARCISSUS BULBOCODIUM* var. *MONOPHYLLUS* (Dur.) Baker
 302713. *NARCISSUS CANALICULATUS* Guss.
 302714. *NARCISSUS LOBULARIS* Schult. f.
 302715. *NARCISSUS MINIMUS* Kunth
 302716. *NARCISSUS NANUS* Steud.
 302717. *NARCISSUS RUPICOLA* Dufour.
 302718. *NARCISSUS SCABERULUS* Henriq.
 302719. *NARCISSUS* sp.
 'Watieri'.
 302720. *PUSCHKINIA SCILLOIDES* var. *LIBANOTICA* (Zucc.) Boiss. Liliaceae.
 302721. *SCILLA AMETHYSTINA* Vis. Liliaceae.
 302722. *SCILLA BIFOLIA* L.
 302723 and 302724. *SCILLA SIBERICA* Andr. Siberian quill.
 302723. 'Spring Beauty'.
 302724. No data.
 302725. *SCILLA TUBERGENIANA* Hoog ex Stearn
 302726. *TRITELEIA UNIFLORA* Lindl. Liliaceae.
 302727. *TULIPA BATALINII* Regel Liliaceae.
 302728. *TULIPA BIFLORA* Pall.
 302729. *TULIPA CHRYSANTHA* Boiss.
 Selected.
 302730 and 302731. *TULIPA CLUSIANA* DC. Lady tulip.
 302730. 'Cynthia'.
 302731. 'Elchlera Excelsa'.
 302732. *TULIPA GALATICA* Freyn.
 302733 to 302735. *TULIPA GREIGII* Regel
 302733. 'Aurea'.
 302734. 'Red Riding Hood'.
 302735. 'Zampa'.
 302736 to 302747. *TULIPA KAUFMANNIANA* Regel
 302736. 'Cesar Franck'. 302742. 'Orange Boy'.
 302737. 'Cimaraosa'. 302743. 'Scarlet Elegance'.
 302738. 'Fritz Kreisler'. 302744. 'The First'.
 302739. 'Gaiety'. 302745. 'Hybrid Alfred Cortot'.
 302740. 'Goudstuk'. 302746. 'Hybrida Bellini'.
 302741. 'Henriette'. 302747. 'Hybrida Josef Kafka'.
 302748. *TULIPA LINIFOLIA* Regel
 302749. *TULIPA MARJOLETTII* Perr. & Song.
 302750. *TULIPA MAXIMOWICZII* Regel
 302751. *TULIPA PERSICA* Willd. ex Kunth
 302752. *TULIPA PRAESTANS* Hoog
 'Fusilier'.

302672 to 302757—Continued

302753 and 302754. TULIPA PULCHELLA Fenzl

302753. 'Humilis'.

302754. 'Violacea Yellow Centre'.

302755. TULIPA TARDA Stapf

302756. TULIPA URUMIENSIS Stapf

302757. TULIPA WILSONIANA Hoog

302758. SENECIO ACHILLEIFOLIUS Thunb. Compositae.

From the Republic of South Africa. Cuttings collected by A. J. Oakes, agricultural explorer, Crops Research Division, Beltsville, Md. Numbered Nov. 12, 1964.

Col. No. 414. East of Estcourt, Natal 20 miles. Moist streambed. Plant to 8 inches high, leaves short, narrow, flowers small, yellow.

302759 and 302760.

From the United States. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Oct. 8, 1964. Numbered Nov. 13, 1964.

302759. AGAVE CHISOSENSIS Muller Amaryllidaceae.

Col. No. 20626. Chisos Mountains, Tex. Collected July 17, 1964.

302760. AGAVE HARVARDIANA Trelease

Col. No. 20624. Marathon, Tex. Collected June 15, 1964.

302761 and 302762.

From Rhodesia. Seeds presented by the Botanic Garden, Salisbury for the United States National Arboretum, Washington, D.C. Received Nov. 13, 1964.

302761. HIBISCUS LUNARIFOLIUS Willd. Malvaceae.

Rosemallow.

302762. VITEX PAYOS (Lour.) Merr. Verbenaceae.

302763 and 302764. MEDICAGO SATIVA L. Leguminosae.

Alfalfa.

From Chile. Seeds presented by the Republica de Chile, Ministerio de Agricultura, Direccion de Agricultura y Pesca, Oficina de Estudios Especiales, Santiago. Received Nov. 13, 1964.

302763. PF. 6455. 'Liguen'. Obtained by mass selection from Hairy Peruvian material from Israel. Excellent seedling vigor, no winter dormancy and high production under conditions where stem nematode (*Dytilenchus dipsasi*) not prevailing.

302764. PF. 6632. 'Valle Huasco'. Selection of 20 plants resistant to stem nematode; progeny tests indicate resistance similar to Lahontan but more winter growth. Susceptible to mildew, similar to Caliverde in growth characteristics, possibly slightly shorter.

302765. ARABIDOPSIS THALIANA (L.) Heyn. Cruciferae.

From Denmark. Seeds presented by the Universitetets Botaniske Have, København, Jardin Botanique de Copenhague. Received Nov. 13, 1964.

302766 to 302768.

From the Republic of South Africa. Plants collected by A. J. Oakes, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Oct. 20, 1964. Numbered Nov. 16, 1964.

302766 to 302768—Continued

302766. *DIGITARIA PENTZII* Stent Gramineae.

Col. No. 139. Plot 761. Stoloniferous perennial; stems medium coarse; leaf to 8 inches high; matures early. Rietondale Research Station, Pretoria. From Stella, Cape Province. Stolons.

302767. *DIGITARIA SMUTSII* Stent

Col. No. 21. Plot 839. Stoloniferous perennial; stems medium coarse; very few seedheads. Rietondale Research Station, Pretoria. Stolons.

302768. *DIGITARIA VALIDA* Stent

Col. No. 147. Plot No. 747. Stoloniferous perennial; stems fine; leaf to 8 inches high; seedheads very few. Rietondale Research Station, from Vryburg; Cape Province. Stolons.

302769 to 302774.

From the United States. Seeds held at the Regional Plant Introduction Station, Experiment, Ga., obtained from Oklahoma. Numbered Nov. 16, 1964.

302769. *BOTHRIOCHLOA INSCULPTA* (Hochst.) A. Camus Gramineae.

A-5152. Originally from India.

302770 to 302772. *BOTHRIOCHLOA INTERMEDIA* (R. Br.) A. Camus
Australian bluestem.

302770. A-5410.

302771. A-9505.

302772. O-796. Originally from Queensland, Australia.

302773. *CAPILLIPIDIUM PARVIFLORUM* (R. Br.) Stapf Gramineae.

A-9490. Originally from South Australia.

302774. *CYNODON DACTYLON* (L.) Pers. Gramineae.

O-000. Originally from Senegal.

302775 to 302781. HUMULUS LUPULUS L. Moraceae.**Common hop.**

From Great Britain. Plants presented by the University of London, Wye College, Hop Research Department, Kent, England. Received Nov. 16, 1964.

Male clones:

302775. No. 15. Originally from Europe. Parentage unknown. Tolerant to progressive strain of *Verticillium albo-atrum*.

302776. No. 321. Origin unknown. Open-pollinated seedling from wild American female. Resistant to progressive verticillium wilt.

302777. OB79. Same origin as P.I. 302776.

302778. 14/56/288. 'Eastwell Golding' × 321. Wilt resistant.

302779. 15/56/148. 'Fuggle' × 321. Wilt resistant.

Female clones:

302780. 2/56/2. Open pollinated seedling of downy mildew resistant, German variety. Some resistance to *Verticillium* and downy mildew (*Pseudoperonospora humuli*), high alpha acid content (7-9 percent), poor cropper.

302781. 'Northern Brewer'. ('Canterbury Golding' × OB21). Acceptable aroma combined with high resin content (6-10 percent). Not vigorous, produces good crop on short laterals, good machine picker. Seeded form grown in England; seedless in Belgium. Susceptible to hop mold (*Sphaerotheca humuli*). Fairly susceptible to downy mildew.

302782. SACCHARUM (hybrid). Gramineae. Sugarcane.

From the South Republic of Guinea. Cuttings presented by the United States Agency for International Development Mission to Guinea, Conakry. Received Nov. 16, 1964.

302783. ARTHROSTYLIIDIUM sp. Gramineae.

From Brazil. Rhizomes collected by T. R. Soderstrom, Department of Botany, University of Brazil, Brasilia, D.F. Received Nov. 16, 1964.

Collected in the wild state, in Goias.

302784. PENSTEMON MENSARUM Pennell Scrophulariaceae.

From the United States. Seeds collected by G. Viehmeyer, North Platte, Neb. Numbered Nov. 17, 1964.

V-64-124. Oak Creek Canyon, Ariz. Elevation 4,100 feet. In wild.

302785. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Ethiopia. Seeds collected by F. G. Meyer, National Arboretum, Washington, D.C. Received Nov. 17, 1964.

Col. No. 8627. E-1, Village of Finate Selem, 46 miles north northwest Debra Markos, Gojjam Province. Elevation 5,700 feet.

302786 and 302787. THEOBROMA CACAO L. Sterculiaceae.

Cacao.

From Costa Rica. Seeds presented by the Instituto Interamericano de Ciencias Agrícolas, Turrialba. Received Nov. 17, 1964.

302786. Matina.

302787. UF 29.

302788 to 302794.

From Puerto Rico. Seeds presented by R. H. Freyre, Federal Experiment Station, Mayaguez. Numbered Nov. 1, 1964.

302788. TEPHROSIA CANDIDA DC. Leguminosae.

No. 25. Originally from Campinas, Brazil; collected August 1956. Rainfall 48 inches. Grows well under all conditions. Received at Mayaguez May, 1957.

302789. TEPHROSIA CINEREA (L.) Pers.

No. 6. Collected in February 1958, Cabo Rojo Lighthouse, southwestern corner of Puerto Rico.

302790 to 302792. TEPHROSIA INCANA Grah.

302790. No. 5. Originally collected 1957 from grasslands, Legon, Accra, Ghana.

302791. No. 9. Originally from Botanic Gardens, Singapore, growing as a shrub, seaside grounds. Received at Mayaguez August 1958.

302792. No. 10. Originally a weed at Achmota, Ghana. Received at Mayaguez March 1957.

302793. TEPHROSIA LEPIDA Bak. f.

No. 1. Accra Ghana. Collected in 1957, as a roadside weed in Labadi.

302794. TEPHROSIA RADICANS Welw. ex Bak.

No. 24. Received at Mayaguez December 1957. Originally from Chilanga, North Rhodesia.

302795. CYMBOPOGON NARDUS (L.) Rendle Gramineae.

Citronella grass.

From Vietnam. Plants presented by Mr. Hardenbrook, through Llewelyn Williams, Crops Research Division, Beltsville, Md. Received Sept. 9, 1964. Numbered Nov. 18, 1964.

302796 to 302798. MAGNOLIA GUATEMALENSIS Donn. Sm.
Magnoliaceae.

From Guatemala. Cuttings and seed collected by J. C. McDaniel, University of Illinois, Urbana, Ill. Received Aug. 4, 1964. Numbered Nov. 18, 1964.

302796. Col. No. 3. The type locality at Tactic. (Cuttings).

302797. Col. No. 4. Trees at Coban. (Cuttings).

302798. Col. No. 1. Trees at Santa Cruz. (Seed).

302799 and 302800. MAGNOLIA SHARPII Miranda Magnoliaceae.

From Mexico. Cuttings collected by J. C. McDaniel, University of Illinois, Urbana, Ill. Received Aug. 12, 1964. Numbered Nov. 18, 1964.

Chiapas, Mexico, from two clones in a scattered stand a few miles beyond Bojil toward Pueblo Nuevo, and within 100 yards beyond the 65 km. post on that road.

302799. Col. No. 7.

302800. Col. No. 8.

302801 and 302802.

From Mexico. Cuttings and seedlings collected by J. C. McDaniel, University of Illinois, Urbana, Ill. Received Aug. 18, 1964. Numbered Nov. 18, 1964.

302801. *ABIES RELIGIOSA* Lindl. Pinaceae.

Donated by the Viverio Forestal at Las Vigas, Veracruz. Native to this state at high altitudes. (Seedlings).

302802. *TALAUMA MEXICANA* (DC.) Don Magnoliaceae.

From a cultivated tree at Chiapas. (Cuttings).

302803. ZEA MAYS L. Gramineae.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Nov. 18, 1964.

289WT. M64/144.

302804. TEPHROSIA sp. Leguminosae.

From Puerto Rico. Seeds presented by R. H. Freyre, Federal Experiment Station, Mayaguez. Numbered Nov. 1, 1964.

No. 3. Originally from Canberra, Australia. Collected at Mount Isa, Queensland, in April 1956, received August 1957. Grows on stony gullies along creek; diffuse shrub to 3 feet high, flower dark pink to purplish.

302805 to 302812. SOLANUM MELONGENA L. Solanaceae.

Eggplant.

From the Philippines. Seeds presented by the Department of Agronomy, University of the Philippines, College of Agriculture, Laguna. Received Nov. 20, 1964.

Reported to be bacterial wilt resistant.

302805. 'Binjai'. CA-64-017.

302806. 'Bulacan Strain'. 63-009.

302807. 'College Long'. 014.

302808. 'Dunaguete'. CA-64-012.

302809. 'Sinampiro'. CA-64-016.

302810. Strain 64-441-3.

302811. Strain CA-441-9. Long, clusters, pointed tip, purple.

302812. 64-CA-136.

302813. CAJANUS CAJAN (L.) Millsp. Leguminosae. Pigeonpea.

From Puerto Rico. Seeds presented by A. Riollano, Agricultural Experiment Station, Isabela. Numbered Nov. 20, 1964.

Selection from 'Totiempo' variety. Flowers throughout the year.

302814. ORIGANUM DICTAMNUS L. Labiatae. Oregano.

From Greece. Seeds presented by the United States Embassy, Athens. Received Nov. 20, 1964.

Cultivated oregano from Heraklion, Crete.

302815 to 302827.

From Taiwan. Seeds collected by the U.S. Educational Foundation, Taipei. Received Nov. 20, 1964.

302815. ACER OLIVERIANUM var. NAKAHARAE Hay. ex Koidz. Aceraceae.
Taiwan endemic species.

302816. BISCHOFFIA TRIFOLIATA (Roxb.) Hook. Euphorbiaceae.

302817. BOEHMERIA DENSIFLORA Hook. & Arn. Urticaceae.

302818. CLERODENDRUM CYRTOPHYLLUM Turcz. Verbenaceae.

302819. CLEYERA JAPONICA var. MORII (Yamam.) Masam. Theaceae.

Taiwan endemic species.

302820. EUSCAPHIS JAPONICA (Thunb.) Dipp. Staphyleaceae.

302821. ITEA PARVIFLORA Hemsl. Saxifragaceae.

Taiwan endemic species.

302822. LIQUIDAMBAR FORMOSANA Hance Hamamelidaceae. Formosa sweetgum.

Taiwan endemic species.

302823. MALLOTUS JAPONICUS (Thunb.) Muell-Arg. Euphorbiaceae.

302824. MUSSAENDA PARVIFLORA Miquel Rubiaceae.

302825. VIBURNUM LUZONICUM var. FORMOSANUM (Hance) Rehder Caprifoliaceae.

302826. VILLEBRUNEA PEDUNCULATA Shirai Urticaceae.

302827. WENDLANDIA FORMOSANA Cowan Rubiaceae.

302828 to 302979.

From Spain. Seeds presented by the Institute Forestal de Investigaciones y Experiencias, Madrid, via the United States Embassy, Rome, Italy. Public Law 480, Project E-25-FS-1. Numbered Nov. 23, 1964.

302828. AGROPYRON GLAUCUM (Desf.) R. & S. Gramineae.

Col. No. B-13. Zaragoza province.

302829. AGROPYRON JUNCEUM (L.) Beauv.

Col. No. F-159. Cadiz province.

302830. AGROSTIS CASTELLANA Boiss. & Reut. Gramineae.

Col. No. B-121. Segovia province.

302831. ALOPECURUS MYOSUROIDES Huds. Gramineae.

Col. No. D-26. Leon province.

302832. ALOPECURUS PRATENSIS L. Meadow foxtail.

Col. No. E-87. Ciudad Real province.

302828 to 302979—Continued

- 302833 to 302836. *ANTHYLLIS CORNICINA* L. Leguminosae.
 302833. Col. No. A-242. Toledo province.
 302834. Col. No. A-319. Ciudad Real province.
 302835. Col. No. C-209. Badajoz province.
 302836. Col. No. E-67. Toledo province.
302837. *ANTHYLLIS CYTISOIDES* L. Leguminosae.
 Col. No. C-193. Almeria province.
- 302838 to 302840. *ANTHYLLIS LOTOIDES* L.
 302838. Col. No. D-44. Ciudad Real province.
 302839. Col. No. F-205. Caceres province.
 302840. Col. No. F-277. Jaen province.
- 302841 to 302845. *ANTHYLLIS VULNERARIA* L. Fabaceae. **Kidneyvetch.**
 302841. Col. No. B-68. Segovia province.
 302842. Col. No. B-83. Jaen province.
 302843. Col. No. E-26. Burgos province.
 302844. Col. No. F-294. Cuenca province.
 302845. Col. No. F-379. Jaen province.
302846. *APHYLLANTHES MONSPELIENSIS* L. Liliaceae.
 Col. No. C-175. Cuenca province.
302847. *ARGYROLOBIUM LINNAEANUM* Walp. Leguminosae.
 Col. No. C-146. Cuenca province.
- 302848 to 302855. *ARRHENATHERUM ELATIUS* (L.) Presl. Gramineae.
 302848. Col. No. A-7. Zaragoza province.
 302849. Col. No. B-39. Zaragoza province.
 302850. Col. No. B-47. Guadalajara province.
 302851. Col. No. B-58. Leon province.
 302852. Col. No. B-65. Burgos province.
 302853. Col. No. B-173. Segovia province.
 302854. Col. No. F-275. Zaragoza province.
 302855. Col. No. F-390. Albacete province.
- 302856 and 302857. *ASTRAGALUS HAMOSUS* L. Leguminosae.
 302856. Col. No. C-124. Toledo province.
 302857. Col. No. C-127. Caceres province.
302858. *ASTRAGALUS* sp.
 Col. No. C-148. Cuenca province.
- 302859 to 302864. *AVENA BROMOIDES* Gouan. Gramineae.
 302859. Col. No. A-24. Zaragoza province.
 302860. Col. No. A-252. Cuenca province.
 302861. Col. No. B-33. Teruel province.
 302862. Col. No. B-41. Zaragoza province.
 302863. Col. No. B-171. Cuenca province.
 302864. Col. No. D-46. Murcia province.

302828 to 302979—Continued

- 302865.** AVENA FILIFOLIA Lag.
Col. No. B-103. Jaen province.
- 302866 to 302868.** BRACHYPODIUM PHOENICOIDES (L.) Roem. & Schult. Gramineae.
302866. Col. No. A-29. Toledo province.
302867. Col. No. B-37. Zaragoza province.
302868. Col. No. B-89. Jaen province.
- 302869.** BROMUS ERECTUS Huds. Gramineae. **Meadow brome.**
Col. No. A-279. Guadalajara province.
- 302870 and 302871.** BROMUS MOLLIS L. Gramineae. **Soft chess.**
302870. Col. No. A-134. Zaragoza province.
302871. Col. No. B-167. Palencia province.
- 302872.** CORONILLA MINIMA L. Leguminosae.
Col. No. F-442. Cuenca province.
- 302873.** CYNODON DACTYLON (L.) Pers. Gramineae.
Col. No. A-155. Ciudad Real province.
- 302874 to 302892.** DACTYLIS GLOMERATA L. Gramineae. **Orchardgrass.**
302874. Col. No. A-41. Zaragoza province.
302875. Col. No. A-95. Caceres province.
302876. Col. No. A-117. Avila province.
302877. Col. No. A-122. Zaragoza province.
302878. Col. No. A-158. Ciudad Real province.
302879. Col. No. A-207. Jaen province.
302880. Col. No. A-226. Almeria province.
302881. Col. No. A-253. Cuenca province.
302882. Col. No. A-259. Jaen province.
302883. Col. No. A-261. Cadiz province.
302884. Col. No. A-272. Jaen province.
302885. Col. No. A-274. Guadalajara province.
302886. Col. No. B-3. Toledo province.
302887. Col. No. B-14. Toledo province.
302888. Col. No. B-32. Toledo province.
302889. Col. No. B-51. Jaen province.
302890. Col. No. B-64. Toledo province.
302891. Col. No. B-90. Segovia province.
302892. Col. No. F-372. Caceres province.
- 302893 and 302894.** FESTUCA RUBRA L. Gramineae. **Red fescue.**
302893. Col. No. A-123. Zaragoza province.
302894. Col. No. D-72. Ciudad Real province.
- 302895.** FESTUCA RUBRA L. **Red fescue.**
Col. No. A-136. Zaragoza province.
- 302896 and 302897.** FESTUCA HYSTRIX Boiss.
302896. Col. No. A-133. Zaragoza province.
302897. Col. No. B-20. Zaragoza province.

302828 to 302979—Continued

- 302898 to 302900. *FESTUCA OVINA* L. **Sheep fescue.**
 302898. Col. No. A-135. Zaragoza province.
 302899. Col. No. B-12. Zaragoza province.
 302900. Col. No. H-1. Zaragoza province.
302901. *FESTUCA RUBRA* L. **Red fescue.**
 Col. No. B-66. Leon province.
302902. *AGROSTIS ALBA* L. Gramineae. **Redtop grass.**
 Col. No. F-251. Zaragoza province.
302903. *HIPPOCREPIS COMOSA* L. Leguminosae.
 Col. No. F-352. Segovia province.
- 302904 to 302906. *HIPPOCREPIS MULTISILIQUOSA* L.
 302904. Col. No. A-215. Cadiz province.
 302905. Col. No. A-334. Zaragoza province.
 302906. Col. No. D-42. Cadiz province.
- 302907 to 302911. *HOLCUS LANATUS* L. Gramineae. **Velvetgrass.**
 302907. Col. No. B-38. Caceres province.
 302908. Col. No. B-45. Palencia province.
 302909. Col. No. B-118. Badajoz province.
 302910. Col. No. D-76. Ciudad Real province.
 302911. Col. No. F-34. Caceres province.
302912. *KOELERIA CRISTATA* (L.) Pers. Gramineae.
 Col. No. A-71. Leon province.
- 302913 to 302917. *KOELERIA VALLESIANA* (Honck.) Bertol. in Roem. & Schult.
 302913. Col. No. A-100. Leon province.
 302914. Col. No. A-120. Zaragoza province.
 302915. Col. No. A-130. Teruel province.
 302916. Col. No. B-76. Zaragoza province.
 302917. Col. No. F-299. Cuenca province.
302918. *KOELERIA* sp.
 Col. No. A-75. Jaen province.
- 302919 and 303920. *LOLIUM RIGIDUM* Gaud. Gramineae. **Wimmera grass.**
 302919. Col. No. A-189. Cadiz province.
 302920. Col. No. C-186. Badajoz province.
- 302921 and 302922. *LOTUS TENUIS* Waldst. & Kit. ex Willd. Leguminosae. **Birdsfoot trefoil.**
 302921. Col. No. A-196. Jaen province.
 302922. Col. No. G-8. Leon province.
- 302923 and 302924. *MEDICAGO LUPULINA* L. Leguminosae. **Black medic.**
 302923. Col. No. A-324. Segovia province.
 302924. Col. No. F-250. Guadalajara province.
- 302925 and 302926. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinners **California burclover.**
 302925. Col. No. C-164. Jaen province.
 302926. Col. No. M-46. Cadiz province.

302828 to 302979—Continued

- 302927 to 302933. *MEDICAGO SATIVA* L. Alfalfa.
 302927. Col. No. A-200. Segovia province.
 302928. Col. No. D-99. Burgos province.
 302929. Col. No. E-50. Cuenca province.
 302930. Col. No. E-62. Zaragoza province.
 302931. Col. No. F-80. Cadiz province.
 302932. Col. No. F-255. Ciudad Real province.
 302933. Col. No. F-269. Cuenca province.
302934. *MEDICAGO TURBINATA* Willd.
 Col. No. C-101. Jaen province.
302935. *MELILOTUS SULCATA* Desf. Leguminosae. Sweetclover.
 Col. No. F-290. Cadiz province.
- 302936 to 302939. *ONOBRYCHIS VICIFOLIA* Scop. Leguminosae. Sainfoin.
 302936. Col. No. A-8. Burgos province.
 302937. Col. No. A-90. Burgos province.
 302938. Col. No. A-127. Burgos province.
 302939. Col. No. F-388. Albacete province.
302940. *ONONIS SPECIOSA* Lag. Leguminosae.
 Col. No. G-17. Murcia province.
- 302941 to 302943. *ORNITHOPUS COMPRESSUS* L. Leguminosae.
 302941. Col. No. A-292. Ciudad Real province.
 302942. Col. No. F-126. Badajoz province.
 302943. Col. No. F-143. Ciudad Real province.
302944. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. ex Aschers & Schweinf. Gramineae. Smilgrass.
 Col. No. D-7. Badajoz province.
- 302945 and 302946. *ORYZOPSIS PARADOXA* (L.) Nutt.
 302945. Col. No. A-169. Ciudad Real province.
 302946. Col. No. E-36. Albacete province.
302947. *PHALARIS AQUATICA* L. Gramineae. Large canarygrass.
 Col. No. 192. Badajoz province.
302948. *PHALARIS COERULESCENS* Desf.
 Col. No. C-275. Jaen province.
302949. *PHLEUM NODOSUM* L. Gramineae.
 Col. No. A-129. Zaragoza province.
302950. *POA PRATENSIS* L. Gramineae. Kentucky bluegrass.
 Col. No. F-592. Caceres province.
302951. *POA BULBOSA* L. Bulbosa bluegrass.
 Col. No. F-672. Jaen province.
302952. *POA* sp.
 Col. No. A-236. Jaen province.
302953. *POA PRATENSIS* L. Kentucky bluegrass.
 Col. No. H-3. Leon province.

302828 to 302979—Continued

302954. *PSORALEA BITUMINOSA* L. Leguminosae. **Scurf-pea.**
Col. No. A-40. Toledo province.
- 302955 to 302959. *SANGUISORBA MINOR* Scop. Rosaceae. **Small burnet.**
302955. Col. No. A-140. Zaragoza province.
302956. Col. No. A-326. Zaragoza province.
302957. Col. No. B-16. Burgos province.
302958. Col. No. B-155. Cuenca province.
302959. Col. No. F-291. Cuenca province.
- 302960 and 302961. *SCORPIURUS SUBVILLOSA* L. Leguminosae.
302960. Col. No. A-77. Badajoz province.
302961. Col. No. A-126. Cordoba province.
- 302962 and 302963. *SCORPIURUS VERMICULATUS* L.
302962. Col. No. F-64. Badajoz province.
302963. Col. No. F-287. Caceres province.
302964. *TRIFOLIUM CAMPESTRE* Schreb. Leguminosae. **Large hop clover.**
Col. No. C-113. Badajoz province.
- 302965 and 302966. *TRIFOLIUM CHERLERI* L.
302965. Col. No. C-253. Jaen province.
302966. Col. No. F-653. Ciudad Real province.
302967. *TRIFOLIUM GEMELLUM* Pourr. ex Willd.
Col. No. C-300. Ciudad Real province.
302968. *TRIFOLIUM GLOMERATUM* L. **Cluster clover.**
Col. No. F-663. Badajoz province.
- 302969 and 302970. *TRIFOLIUM HIRTUM* All. **Rose clover.**
302969. Col. No. C-207. Toledo province.
302970. Col. No. F-254. Albacete province.
302971. *TRIFOLIUM LAPPACEUM* L. **Lappa clover.**
Col. No. C-264. Badajoz province.
302972. *TRIFOLIUM PRATENSE* L. **Red clover.**
Col. No. F-271. Jaen province.
302973. *TRIFOLIUM REPENS* L. **Whiteclover.**
Col. No. F-664. Segovia province.
302974. *TRIFOLIUM RESUPINATUM* L. **Persian clover.**
Col. No. C-69. Ciudad Real province.
- 302975 and 302976. *TRIFOLIUM STRIATUM* L. **Striate clover.**
302975. Col. No. E-57. Ciudad Real province.
302976. Col. No. F-273. Jaen province.
302977. *TRIFOLIUM SUBTERRANEUM* L. **Subterranean clover.**
Col. No. D-22. Ciudad Real province.
- 302978 and 302979. *TRIGONELLA FOENUM-GRAECUM* L. Leguminosae. **Fenugreek.**
302978. Col. No. F-272. Cuenca province.
302979. Col. No. F-305. Cordoba province.

302980 to 302982. SACCHARUM (hybrid). Gramineae.**Sugarcane.**

From Barbados. Cuttings presented by the Barbados Sugar Cane Variety Testing Station, Bridgetown. Received Nov. 27, 1964. Numbered Dec. 2, 1964.

302980. B-59163.

302981. B-59136.

302982. B-5B-233.

302983. DIOSPYROS KAKI L. Ebenaceae.**Kaki persimmon.**

From Japan. Trees presented by D. Kosso, Suginami-Ku, Tokyo. Received Dec. 14, 1964.

'Minasi'.

302984 to 302992.

From Canada. Seeds presented by Charles Walkof, Experimental Farm, Canada Department of Agriculture, Morden, Manitoba. Received Dec. 14, 1964.

302984 to 302986. BRASSICA OLERACEA var. CAPITATA L. Cruciferae.**Cabbage.**

302984. 'Junior'. Golden Acre 84/58-3 × Morden ZCC2-A/58-3, selected at Morden. Plant 20 inches across by 12-14 inches high when in head. Leaves smooth, green. Heads average 1½ pounds, core short, stem 3 to 5 inches. Matures 2 days earlier than 'Golden Acre'. All purpose.

302985. 'Little Leaguer'. Plant 15 inches across by 12 inches high when in head. Leaves smooth, bluish. Heads average one pound, core short, stem 3 to 4 inches. Matures 2-3 days later than 'Golden Acre'. All purpose.

302986. 'Pee Wee'. Plant 12 inches across by 10 inches high when in head. Leaves smooth, bluish. Heads average ½ pound, core small, stem 2 to 3 inches. Matures 3-5 days later than 'Golden Acre'. The smallest of dwarf cabbage; excellent for salads.

302987. CAPSICUM FRUTESCENS L. Solanaceae.**Redpepper.**

'Hamilton Market'. Plants medium tall, slender, dark green, brittle. Fruit numerous, borne upright, long, slender, tendency to curl, medium green changing to bright red. Flesh thin, very pungent.

302988. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.**Watermelon.**

'Sweet Sensation'. Plants medium long vining, dark green. Fruit from 3 to 11 pounds, round, medium to dark green with broad darker stripes. Rind ½ to ¾ inch thick, flesh deep red, brittle, tendency to crack. Seeds dark brown to black, medium in number. Matures with Ice Box.

302989. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

'Farnorth'. Plant covers are 6 feet in diameter. Fruit 3 to 5 inches diameter, medium coarse netting, less netting under adverse growing conditions. Rind golden yellow, flesh deep salmon 1-1¼ inches thick, sweet, cavity large. One of the earliest commercial varieties in North.

302990. LYCOPERSICON ESCULENTUM Mill. Solanaceae.**Tomato.**

'Starfire'. Morden BB3 × Earlinorth backcrossed twice to Morden BB3. Plant determinate, compact, small, 12 inches high by 22 inches spread. Fruiting clusters on strong branches near center of plant. Fruit uniform green changing to orange red, smooth, ovate, small blossom scar, 7 ounces. Flesh signal red (R.H.S.), locules many, small moderate seed quantity, flavor pleasant fresh and canned. Yield greater than Morden BB3. Midseason. Widely adapted in southern Canada.

302984 to 302992—Continued

302991. *PETROSELINUM CRISPUM* (Mill.) Nym. Umbelliferae. Parsley.

'Simonet Half Long'. Plant 15 inches high, dark green. Root 8–14 inches long, gradual taper, crown full, smooth, ground level. Flesh creamy white, texture fine grain, excellent flavor.

302992. *PISUM SATIVUM* L. Leguminosae. Pea.

'Earligreen'. Plant dwarf, 10–12 inches high, strong, upright. Tendrils few, aborted. Pods medium long, smooth, 6–7 seeds each. Seed bright medium green, yield moderate. Matures with American Wonder. Home freezing.

302993 to 303064.

From Italy. Seeds presented by the Seed Exchange Officer, Plant Production and Protection Division, Rome. Countries of origin as indicated. Received Dec. 14, 1964.

302993. *AGROPYRON DESERTORUM* (Fisch. ex Link) Schult. Gramineae.
Standard wheatgrass.

FAO No. 12.470. Turkey.

302994. *CHLORIS GAYANA* Kunth. Gramineae. Rhodesgrass.

FAO No. 11.573. Tunisia.

302995 and 302996. *FESTUCA ARUNDINACEA* Schreb. Gramineae.
Tall fescue.

302995. FAO No. 12.807. Aberystwyth S. 170. Wales.

302996. FAO No. 12.956. Manade. France.

302997 to 303007. *FESTUCA RUBRA* L. Red fescue.

302997. FAO No. 11.320. Switzerland.

302998. FAO No. 12.283. 'Reptans'. Sweden.

302999. FAO No. 12.311. 'Mommersteeg'. Netherlands.

303000. FAO No. 12.372. 'Rubin'. Sweden.

303001. FAO No. 12.448. 'Sioux'. Netherlands.

303002. FAO No. 12.473. 'Sceempter'. Netherlands.

303003. FAO No. 12.731. 'Echo Daelfeldt S'. Denmark.

303004. FAO No. 12.810. 'Aberystwyth S. 59'. Wales.

303005. FAO No. 13.338. 'Duraturf'. Canada.

303006. FAO No. 13.339. 'Olds'. Canada.

303007. FAO No. 13.605. 'Brabantia'. Netherlands.

303008 to 303010. *FESTUCA RUBRA* var. *COMMUTATA* Gaud. Chewing's fescue.

303008. FAO No. 12.449. 'Gilflood'. Netherlands.

303009. FAO No. 13.606. 'Brabantia'. Netherlands.

303010. FAO No. 13.607. 'Brabantia Highlight'. Netherlands.

303011 to 303049. *LOLIUM PERENNE* L. Gramineae. Perennial ryegrass.

303011. FAO No. 11.874. 'Aberystwyth S. 101'. Pasture hay type. Wales.

303012. FAO No. 11.875. 'Aberystwyth S. 23'. Pasture. Wales.

303013. FAO No. 11.876. 'Aberystwyth S. 24'. Hay type. Wales.

303014. FAO No. 12.285. 'Viris'. Sweden.

303015. FAO No. 12.295. 'Tidlig Pajbjerg Presto III'. Denmark.

302993 to 303064—Continued**303011 to 303049—Continued**

303016. FAO No. 12.296. 'Tidlig Pajbjerg Verna III'. Denmark.
 303017. FAO No. 12.297. 'Tidlig Pajbjerg Lenta III'. Denmark.
 303018. FAO No. 12.308. Mommersteeg late hay type. Netherlands.
 303019. FAO No. 12.310. Mommersteeg pasture type. Netherlands.
 303020. FAO No. 12.373. 'Delta'. Sweden.
 303021. FAO No. 12.385. Barenza early hay type. Netherlands.
 303022. FAO No. 12.386. Barenza late hay type. Netherlands.
 303023. FAO No. 12.387. Barenza pasture type. Netherlands.
 303024. FAO No. 12.425. 'Late Eagle Hill III'. Denmark.
 303025. FAO No. 12.426. 'Sildig Stensballe'. Denmark.
 303026. FAO No. 12.436. 'Preimevere'. France.
 303027. FAO No. 12.444. 'Sildig E. F. Trifolium IV'. Denmark.
 303028. FAO No. 12.445. 'Sildig Trifolium Viktoria IV'. Denmark.
 303029. FAO No. 12.453. Double late hay type. Netherlands.
 303030. FAO No. 12.454. Heraf pasture type. Netherlands.
 303031. FAO No. 12.455. Pelo pasture type. Netherlands.
 303032. FAO No. 12.458. 'Scotia'. Scotland.
 303033. FAO No. 12.485. Sceempter pasture type. Netherlands.
 303034. FAO No. 12.493. 'Glasnevin Leafy'. Ireland.
 303035. FAO No. 12.671. 'Late Hunsballe III'. Denmark.
 303036. FAO No. 12.728. 'Sildig Daeno III'. Denmark.
 303037. FAO No. 12.779. 'Viva'. Sweden.
 303038. FAO No. 12.812. 'Aberystwyth S. 23'. Wales.
 303039. FAO No. 12.813. 'Aberystwyth S. 24'. Wales.
 303040. FAO No. 12.814. 'Aberystwyth S. 101'. Wales.
 303041. FAO No. 12.837. C. B. hay type. Netherlands.
 303042. FAO No. 12.838. C. B. pasture type. Netherlands.
 303043. FAO No. 12.928. R.V.P. hay type. Belgium.
 303044. FAO No. 12.929. R.V.P. pasture type. Belgium.
 303045. FAO No. 12.959. 'Bocage'. France.
 303046. FAO No. 13.386. 'Victorian'. Australia.
 303047. FAO No. 13.609. Brabantia lawn and sporting type. Netherlands.
 303048. FAO No. 13.610. Combi hay type. Netherlands.
 303049. FAO No. 13.611. Combi pasture type. Netherlands.
303050. LUPINUS ALBUS L. Leguminosae. **White lupine.**
 FAO No. 13.512. 'Fodder Sweet White'. South Africa.
- 303051 and 303052. LUPINUS LUTEUS L. **European yellow lupine.**
 303051. FAO No. 13.513. 'Fodder Sweet Yellow SEI'. South Africa.
 303052. FAO No. 13.514. 'Fodder Sweet Weiko'. South Africa.

302993 to 303064—Continued

303053 to 303061. *POA PRATENSIS* L. Gramineae. **Kentucky bluegrass.**

303053. FAO No. 12.287. 'Primo'. Sweden.

303054. FAO No. 12.377. 'Golf'. Sweden.

303055. FAO No. 12.378. 'Gullaker'. Sweden.

303056. FAO No. 12.456. 'Prato'. Netherlands.

303057. FAO No. 12.734. 'Niler Daelmfeldt S'. Denmark.

303058. FAO No. 12.780. 'Atlas'. Sweden.

303059. FAO No. 12.781. 'Skandia II'. Sweden.

303060. FAO No. 12.840. 'C.B.'. Netherlands.

303061. FAO No. 12.931. 'R.V.P.'. Belgium

303062. *POA TRIVIALIS* L.

Rough bluegrass.

FAO No. 12.733. 'Ino Daelmfeldt S'. Denmark.

303063. *STIZOLOBIUM DEERINGIANUM* Bort. Leguminosae.

Deering velvetbean.

FAO No. 13.523. Somerset. South Africa.

303064. *VICIA NARBONENSIS* L. Leguminosae.

Vetch.

FAO No. 12.316. Tunceli 54-475-13. Turkey.

303065 to 303080. *TRIFOLIUM PRATENSE* L. Leguminosae.

Red clover.

From Finland. Seeds presented by Otto Valle, Agricultural Research Center, Department of Plant Husbandry, Tikkurila. Received Dec. 15, 1964.

303065. Palkane.

303066. Pieksamaki.

303067. Muhos (Jokirinne).

303068. Kalajoki.

303069. Kangasniemi.

303070. Aura (Kayra).

303071. Virtasalmi.

303072. Muurame.

303073. Tervola.

303074. Veteli.

303075. Lappi T.1.

303076. Pieksamaki (Partaharju).

303077. 'Tammisto'.

303078. 'Jokioinen'.

303079. 'Haapaniemi'.

303080. 'Tepa'. Tetraploid.

303081. *TRITICUM AESTIVUM* L. Gramineae.

Wheat.

From the Netherlands. Seeds presented by J. Mesdag, Foundation for Agricultural Plant Breeding, Wageningen. Received Dec. 15, 1964.

'Ring'. A spring wheat.

303082. *ARABIDOPSIS THALIANA* (L.) Heyn. Cruciferae.

From France. Seeds presented by Jardin des Plantes, Universite de Montpellier, Montpellier. Received Dec. 15, 1964.

303083 to 303113.

From the United States. Seeds collected in Turkey by D. R. Cornelius, Crops Research Division, U.S. Department of Agriculture, Berkeley, Calif., and subsequently grown at Berkeley, Calif. Numbered Dec. 15, 1964.

**303083 to 303085. AGROPYRON ELONGATUM (Host) Beauv. Gramineae.
Tall wheatgrass.**

303083. No. 382. Caltildere Koyu, Izmir Province, north of Izmir, July 7, 1961.

303084. No. 573. Bottom land, moist, 15 km. east of Erzincan, Erzincan province.

303085. No. 852. Sakarya River origin.

**303086 to 303094. AGROPYRON INTERMEDIUM (Host) Beauv.
Intermediate wheatgrass.**

303086. No. 373. Dairy farm southwest of Izmir, Izmir Province, July 6, 1961.

303087. No. 502. Akdagmadeni, Ozan Koyu (Aptal Mehmet Mevkii), Sivas Province.

303088. No. 558. Besgoz Mevkii, Mihar Koyu (Kocyatapi Koyu), Erzincan Province.

303089. No. 617B Pl. 1. Highway Erzurum-Izmir to Kurgun Koyu.

303090. No. 831A Pl. 4. Middle East Technical University, Ankara.

303091. No. 848 Pl. 4. Sakarya River origin.

303092. No. 863 Pl. 4. Taskopru, Eskisehir Province. Sept. 20, 1961.
Elevation 4,500 feet; clearing in oak, hazelnut, plum brush.

303093. No. 863 Pl. 5. Same as P.I. 303092.

303094. No. 872. Same as P.I. 303092.

303095 and 303096. AGROPYRON JUNCEUM (L.) Beauv.

303095. No. 342. Cesmi, Izmir Province. May 26, 1961. (No. 7 Cesmi Beach).

303096. No. 633. Near Horasan, Erzurum Province, Transect No. 1. August 25, 1961.

303097 to 303100. AGROPYRON REPENS (L.) Beauv.

303097. No. 543. Hafik Inekhanesi, Sivas Province, 2 km. east of Hafik.

303098. No. 680. Kecili Koyu.

303099. No. 690. Kecili Koyu.

303100. No. 905 Pl. 5. Camlidere, Orman Fidanlege, Bolu to Ankara highway.

**303101 to 303108. AGROPYRON TRICHOPIHORUM (Link) Richt.
Stiffhair wheatgrass.**

303101. No. 520. Sofular Koyu, Mafik District, Sivas Province, 4,593 feet. August.

303102. No. 521. Same as P.I. 303101.

303103. No. 589. Cinar Koyu, Tercan District, Erzurum Province (dry hillside).

303104. No. 639. Ataturk Cesmesi, between Erzurum and Agri.

303105. No. 831A Pl. 7. Middle East Technical University, Ankara.

303106. No. 848 Pl. 6. Sakarya River origin.

303107. No. 905 Pl. 3. Camlidere, Orman Fidanlege, Bolu to Ankara highway.

303108. No. 905 Pl. 6. Same as P.I. 303107.

303083 to 303113—Continued

303109. AGROPYRON sp.

No. 617 Pl. 5. Highway Erzurum-Izmir to Kuzgun Koyu.

303110. AGROPYRON REPENS (L.) Beauv.

No. 702. Tepeler Koyu, roadside rocky.

303111. AGROPYRON REPENS (L.) Beauv.

No. 921. Ucbas Koyu, near Kizilcaham, Ankara Province, 3 km. south; ridge, dry, basaltic area.

303112. BRACHYPODIUM PINNATUM (L.) Beauv. Gramineae.

No. 880. Bilecik Province, Bilecik cemetery.

303113. STIPA BROMOIDES (L.) Beck Gramineae.

No. 644. East of Taslicay, Agri Province, 6 miles; dry hillside.

303114 to 303128.

From Great Britain. Plants purchased from the Exbury Gardens, Limited, Southampton, England, by Dr. J. M. Keshishian, Washington, D.C. Numbered Dec. 15, 1964.

303114 to 303122. RHODODENDRON (hybrids) Ericaceae.

Deciduous azaleas.

303114. 'Alice De Stuers'. *Mollis* × *Koster*. M. Koster and Sons before 1939. Yellow overlaid salmon pink, orange blotch.

303115. 'Floradora'. *Mollis* × *Koster* clone. M. Koster and Sons 1910. Light orange, red blotch.

Rhododendrons.

303116. 'Crest'. *R. wardii* × *R.* cv. 'Lady Bessborough'. Rothchild. Flower primrose yellow (H.C.C. 601/2–601/3), throat slightly darkened. Previously known as 'Hawk' var. 'Crest'.

303117. 'Day Dream'. *R.* cv. 'Lady Bessborough' × *R. griersonianum*. Rothchild. Deep crimson flushed, shaded without geranium lake, very bright in bud fading to very pale.

303118. 'Idealist'. *R. wardii* × *R.* cv. 'Naomi'. Rothchild. Trusses bold, 10–12 flowers, very pale greenish yellow (H.C.C. 663/2).

303119. 'Jocelyn'. *R. lacteum* × *R. calaphytum*. Rothchild. Trusses 22 flowers, white, light cream tinge on upper lobes, throat crimson blotched.

303120. 'Kilimanjaro'. *R. elliotii* × *R.* cv. 'Dusty Maid'. Rothchild. Trusses compact, globose, 18 flowers, red currant (H.C.C. 821–1).

303121. 'Lionell's Triumph'. *R. lacteum* × *R.* cv. 'Naomi'. Rothchild. Flowers 18 per truss, dresden yellow (H.C.C. 64/3), crimson blotch, crimson spotting in throat.

303122. 'Yvonne Opaline'. *R.* cv. 'Aurora' × *R. griffithianum*. Rothchild. Buds dark pink, loose trusses. Previously 'Yvonne' var. 'Opaline'.

303123. RHODODENDRON sp.

'Byron'. *Rustica*. Charles Vuylsteke 1888. Hose-in-hose, white outer petals, slightly tinged carmine rose (H.C.C. 621/2), buds cream tipped cerise, double. Previously 'Garten Inspektor C. Ohrt'. Deciduous azaleas.

303124. RHODODENDRON sp.

'Cecile'. Knap Hill. Rothchild 1947. Buds deep pink open to salmon pink with yellow flare. Flowers very large.

303114 to 303128—Continued**303125.** RHODODENDRON sp.

'Clarice'. Knap Hill. Rothchild. Flowers large, salmon, orange blotch, large flowered compact truss.

303126. RHODODENDRON sp.

'Knighthood'. Knap Hill. Rothchild. Flower well shaped, bright orange red, orange zone in upper petal; stamens long, graceful; buds very dark.

303127. RHODODENDRON sp.

'Peter Kersbergen'. Mollis. Orange (Mars orange H.C.C. 0/3) blotched orange yellow (yellow ochre H.C.C. 07).

303128. RHODODENDRON sp.

'Sunset'. Knap Hill. Knap Hill Nurseries Ltd. 1951. Orange flushed mauve.

303129 and 303130.

From the United States. Seeds held at the Regional Plant Introduction Station, Agricultural Experiment Station, Geneva, N.Y. Numbered Dec. 17, 1964.

303129. MEDICAGO SATIVA L. Leguminosae. **Alfalfa.**

G-3545-S. Selection made at Geneva in 1962 from P.I. 205329. Vigorous, leafy, winter hardy; heavy seeder, high yielding; susceptible to leafspot, resistant to leafhopper damage.

303130. PHELEUM PRATENSE L. Gramineae. **Timothy.**

G-11192-S. Selection made at Geneva in 1962 from P.I. 274643. Vigorous, leafy, good winter hardiness and spring recovery; rust resistant.

303131 to 303138.

From the Netherlands. Seeds presented by Sluis and Groot, Enkhuizen. Received Nov. 23, 1964. Numbered Dec. 17, 1964.

303131. BRASSICA OLERACEA var. VIRIDIS L. Cruciferae. **Kale.**

'Blue Siberian'. Darker green than Siberian, nearly blue.

303132 and 303133. BRASSICA OLERACEA var. CAPITATA L. **Cabbage.****303132.** 'Blood Red Erfurt'. Heads small, very dark red outside, lighter inside. Early market, may be planted very thickly.**303133.** 'Early Wonder'. Very early. Resembles Golden Acre, but earlier and smaller.**303134 to 303136.** BRASSICA RAPA L. **Turnip.****303134.** 'Early Snowball'. Cut-leaved, flattish globe. Market garden variety.**303135.** 'Funense Bortfelder'. Top small, dark green, cut leaved. Root yellow long, tapered, tip pointed.**303136.** 'Petrowski'. Leaves short, nearly entire, strap shape. Root very flat, slightly concave on bottom, skin and flesh yellow. Old Russian and Finnish variety.**303137.** PETROSELINUM CRISPUM (Mill.) Nym. Umbelliferae. **Parsley.**

'Turnip rooted'. Original variety forming a root. Hamburg type selected from variety. No longer of great importance.

303138. SPINACIA OLERACEA L. Chenopodiaceae. **Spinach.**

'Princess Juliana'. Originated about 1925. Plant small, leaves very dark green, crumpled, long standing. Replaced by Bloomsdale Longstanding which is larger, but not as longstanding.

303139 to 303141.

From the United States. Plant material collected by R. L. Ticknor and W. A. Sheets, Oregon State University, November 1963. Numbered Dec. 17, 1964.

303139. CEANOTHUS PROSTRATUS Benth. Rhamnaceae.

Col. No. 57. Local name: Squaw carpet. West of Hayden Mt. Summit, near Milepost 36, 30 miles west of Klamath Falls on Highway 66, Klamath County, Ore. Elevation 4,600 feet. Plant dense, leaves 1.6 by 0.7 inches.

303140 and 303141. CEANOTHUS PUMILUS Green

303140. Col. No. 87. On road between Powers and Agness, 2.4 miles south of Iron Mountain Road junction, Curry County, Ore. Elevation 2,000 feet. Plant compact, leaves .56 by .17 inches.

303141. Col. No. 88. Location same as P.I. 303140. Plant compact, leaves .64 by .20 inches.

303142. SORGHUM sp. Gramineae.

From Jamaica. Seeds collected by J. R. Quinby, Pioneer Sorghum Company, Plainview, Tex., now held at Regional Plant Introduction Station, Experiment, Ga. Numbered Dec. 17, 1964.

Collected near Kingston, Jamaica. Perennial; plant to 6 feet high at maturity; many tillers. Potential weed.

303143 and 303144. CYAMOPSIS TETRAGONOLOBA (L.) Taub.

Leguminosae.

Guar.

From Ceylon. Seeds presented by Botanist, Department of Agriculture, Peradeniya. Received Dec. 17, 1964.

303143. Large pod type.

303144. Small pod type.

303145. LINUM USITATISSIMUM L. Linaceae.

Flax.

From Ireland. Seeds presented by Director, Ministry of Agriculture, Lough-gall. Received Dec. 17, 1964.

'Stormont Cirrus'.

303146 to 303151. SOLANUM TUBEROSUM L. Solanaceae.

Potato.

From Scotland. Tubers presented by the Scottish Society for Research in Plant Breeding, Plant Breeding Station, Pentlandfield, Roslin, Midlothian. Received Dec. 17, 1964.

303146. 3053-18 R5.

303149. 2424a (5) R 8.

303147. Xd2-21 R6.

303150. 3750 (5).

303148. 2182ef (7) R7.

303151. 3751. (5).

303152 to 303625.

From the United States. Seeds collected by G. Viehmeyer, North Platte Experiment Station, North Platte, Neb. Numbered Dec. 22, 1964. Collected in 1963 and 1964.

303152 and 303153. ABIES CONCOLOR (Gord.) Hoopes Pinaceae.

White fir.

303152. V-63-157. Crestone Canyon, Sangre de Cristo, Colo. In wild; dry canyon.

303153. V-64-94. Crestone Canyon, Colo. In wild; possible racial difference in plant size and length of needles.

303152 to 303625—Continued**303154.** *AGROPYRON CRISTATUM* (L.) Gaertn. Gramineae.**Crested wheatgrass.**

V-64-162. East end of completed Highways State 80S and U.S. 6, Colo. Cultivated, on steep highway slope in dry sand.

303155. *AGROPYRON* sp.

V-64-193. Great Sand Dunes National Monument, Colo. Elevation 8,048 feet. In wild, camp area, rhizomes long, fleshy. Spikelets many, elongated having a panicle appearance.

303156. *AGROPYRON* sp.

V-64-233. North of Flagstaff, Ariz. Volcanic soil, in wild.

303157 to 303176. *AMELANCHIER ALNIFOLIA* Nutt. ex Roemer Rosaceae.**Serviceberry.****303157.** V-63-58. Ten Sleep Canyon, 12 miles north Ten Sleep, Wyo. Rocky shoulder of road. Plants low growing; browsed by livestock; stems red brown. In wild.**303158.** V-63-75. North of Nederland, Colo. Elevation 9,000 feet. In wild on rocky shoulder. Shrub, much browsed by deer, actual size of plant unknown. Foliage typical.**303159.** V-63-93. Sheep Mountain along highway on west side. South of Centennial, Wyo. Bare rocky soil. Plant to 12 feet; stems slender, upright; panicles short; leaves round, serrate on outer half; rhizomatous. Flowers white.**303160.** V-63-125. Three miles south of Redstone, Colo. In wild, roadside, rocky soil, full sun. Shrub to 8 feet high, spreading.**303161.** V-63-133. Eight miles west of Vail, Colo. In wild.**303162.** V-63-136. One mile northwest of Redstone, Colo. Elevation 9,200 feet. In wild, dry, roadside.**303163.** V-63-142. East Rim Black Canyon, Gunnison, Colo. In wild. Shrub, dense, good, browsed by livestock.**303164.** V-63-145. Ten miles northwest of Basalt, Colo. In wild. Shrub to 8 feet high, fruit heavy, browsed by livestock.**303165.** V-63-155. McClure pass above Redstone, Colo. Elevation 9,500 feet. In wild.**303166.** V-63-186. Southwest of Crawford, Colo., between Black Canyon and Gunnison. In wild, dry site. Fruit shriveled.**303167.** V-63-202. Green Mountain area 5 miles north of the east entrance of Black Canyon of the Gunnison National Monument, Colo. In wild, high flat topped mesa.**303168.** V-63-204. Clear creek southeast of Crawford, Colo., along roadside, in wild.**303169.** V-63-207. Seventeen miles southwest of Gypsum, Colo., near Cottonwood Pass. Dry clay soil. In wild.**303170.** V-63-208. Eight miles southwest of Gypsum, Colo. In wild, roadside, dry, clay soil.**303171.** V-63-210. Old Black Mesa road at base of mesa, south of Crawford, Colo. In wild.**303172.** V-64-97. Road to Red Rock, New Mex. Elevation 6,150 feet. In wild.**303173.** V-64-108. Route 160. Hatch Wash, near Monticello, Utah. Elevation 6,700 feet. In wild.

303152 to 303625—Continued

303157 to 303176—Continued

303174. V-64-109. Hatch Wash, near Monticello, Utah. Elevation 5,500 feet. In wild.

303175. V-64-110. Northeast of Blandey, Utah. Elevation 6,700 feet. In wild.

303176. V-64-112. Five miles north of Rifle, Colo., on Rio Blanco. Elevation 7,000 feet. In wild.

303177 and 303178. AMELANCHIER UTAHENSIS Koehne Rosaceae.

Serviceberry.

303177. V-64-111. Grand Canyon, Ariz. Elevation 7,100 feet. In wild; leaf small, apparently distinct from *A. alnifolia* in much smaller foliage.

303178. V-64-202. Seven miles east of Dinnehotso, Ariz., Route 64. Sandy desert, shrub round headed, leaves small, fruit prolific.

303179. AMELANCHIER sp.

V-64-62. East of Dead Indian Canyon Road to Grand Canyon, south rim, Ariz. In wild; dry wash. Shrub dense, leaves small.

303180. AMELANCHIER sp.

V-64-107. Route 128, 6 miles northeast of Moab, Utah, Colorado River. Elevation 3,980 feet. In wild; leaves small, early.

303181. AMELANCHIER sp.

V-64-223. Schnebley Hill road at the Mogollon rim, northeast of Sedona, Ariz. In wild; shrub large, leaves serrate, leaf veins prominent, fruit small, pomes abundant.

303182. AMORPHA sp. Leguminosae.

V-63-240. Flood plain Payette River, Emmet, Idaho. In wild; typical to *A. fruticosa*.

303183. ANDROPOGON SCOPARIUS Michx. Gramineae. Little bluestem.

V-64-164. Five miles southwest of Parkman, Colo., on roadside. In wild; stems dense, red, winter color good.

303184. ANTENNARIA sp. Compositae.

V-63-119. Eight miles southwest of Dillon, Colo., dry roadside. In wild; perennial, low silvery, leaves narrow, heads red in bud stage.

303185. AQUILEGIA sp. Ranunculaceae.

V-63-112. Two miles southeast of Redstone, Colo., dry roadside. In wild, flowers probably yellow and red.

303186. AQUILEGIA sp.

V-63-116. Eight miles southwest of Dillon, Colo., along a rocky roadside. In wild, plant juvenile, flowers probably red and yellow.

303187. ARCTOSTAPHYLOS PUNGENS H.B.K. Ericaceae. Manzanita.

V-64-210. South facing canyon wall Oak Creek Canyon, 10 miles south of Flagstaff, Ariz. In wild, foliage blue green, evergreen, drought tolerant.

303188. ARISTIDA sp. Gramineae.

V-64-245. Along Route 89, 36 miles north of Flagstaff, Ariz. In wild, perennial caespitose, common.

303189. ARISTIDA sp.

V-64-254. Highway 89, 90 miles north of Flagstaff, Ariz., along road ditch. In wild, low bunchgrass.

303152 to 303625—Continued**303190.** ARTEMISIA sp. Compositae.

V-63-10. Sheep Mountain, south of Centennial, Wyo. In wild, dry west slope, foot of mountain along highway. Leaves blue, heavy tomentose, narrow, subshrub, appears rhizomatous.

303191. ARTEMISIA sp.

V-63-33. South of Buffalo, Wyo. In wild, dry slope in rocks, common; foliage low, silvery, finely divided.

303192. ARTEMISIA sp.

V-63-83. James Creek Road, Boulder Mountain Park, Colo. In wild, dry west slopes. Leaves silver, herbaceous to 10 inches high, hair white, 3-5 serrations at top.

303193 and 303194. BETULA OCCIDENTALIS Hooker Betulaceae.

303193. V-64-46. Two miles north of Salida, Colo., on Creek bank. Tree low, shrub tall, bark bright brown. In wild.

303194. V-64-192. Three miles northeast of Crestone, Crestone Canyon, Colo. In wild along creek.

303195 to 303200. BOUTELOUA GRACILIS (H.B.K.) Lag ex Steud. Gramineae. **Blue grama.**

303195. V-64-230. Near Flagstaff, Ariz., airport. In wild, under pine forest, rocky soil.

303196. V-64-160. Sutherland Reservoir, 6 miles south of Sutherland, Neb. Water fountain by entrance in park. In wild, flowers June 19. Good survivor under heavy traffic.

303197. V-64-205. Along Route 89, 20 miles north of Flagstaff, Ariz. Dry volcanic cinders.

303198. V-64-326. On Route 6, one mile east of Merino, Colo., in grazed pasture.

303199. V-64-330. Seven and one half miles west of Grant, Neb., in fine sandy loam.

303200. V-64-331. Eight miles west of Sutherland, Neb., in sandy soil.

303201. BOUTELOUA sp.

V-64-232. Eleven miles north of Flagstaff, Ariz., in volcanic soil. In wild, stems flowering, 18 inches high.

303202. BOUTELOUA sp.

V-64-237. Twenty-three miles north of Flagstaff, Ariz., along Route 89, desert conditions. In wild; stems flowering, 18 inches high.

303203. BOUTELOUA sp.

V-64-255. North of Flagstaff, Ariz., along Route 89, sandstone soil, low.

303204. BOUTELOUA sp.

V-64-256. Plateau above Colorado River east of Jacob's Lake, Ariz.

303205. BOUTELOUA sp.

V-64-262. Five miles north of Jacob's Lake, Ariz. Plant low, dormant from drought. In wild under ponderosa pine.

303206. BOUTELOUA sp.

V-64-263. Seven miles north of Jacob's Lake, Ariz. In wild among ponderosa pine. Elevation 6,000 feet. Less dormant than neighboring plants, bright green, culms fruiting one foot.

303152 to 303625—Continued

303207. *BOUPELOUA* sp.

V-64-275. Eight miles north of Kanab, Utah along Route 89. In wild, dunesand, culms short 6 inches.

303208. *BOUPELOUA* sp.

V-64-279. State route Utah 15, three miles west of junction with U.S. 89, Utah. In wild; clone active in dormant plant area. Culms 1-1.5 feet.

303209. *BOUPELOUA* sp.

V-64-280. One half mile south of Glendale, Utah on Route 89. In wild, sandy soil, roadside.

303210. *BOUPELOUA* sp.

V-64-289. Ten miles northeast of Escalante, Utah. Elevation 6,000 feet. In wild, sand.

303211. *BOUPELOUA* sp.

V-64-295. One half mile west of Bicknell, Utah. In wild, roadside, gravelly, rock soil. Leaf blades conspicuous, purple margins.

303212. *BOUPELOUA* sp.

V-64-296. One half mile west of Bicknell, Utah. In wild; stony soil.

303213. *BOUPELOUA* sp.

V-64-299. Four miles east of Torrey, Utah along Route 24. Elevation 7,000 feet. In wild; dry draw. Plant foliage green, adjacent plants dormant.

303214. *BOUPELOUA* sp.

V-64-324. Brighton, Colo., exit on Interstate 80S. In wild; flower one foot high.

303215. *BOUPELOUA* sp.

V-64-325. Interstate 80S, one half mile east of Wiggan, Colo.

303216. *BOUPELOUA* sp.

V-64-328. One and one half miles east of Haxton, Colo.

303217 and 303218. *BUCHLOE DACTYLOIDES* (Nutt.) Engelm. Gramineae.
Buffalograss.

303217. V-64-327. Two and eight-tenths miles east of Haxton, Colo. In wild. Female plant.

303218. V-64-329. Two and eight-tenths miles east of Haxton, Colo. Male and female plants.

303219. *CEANOTHUS FENDLERI* A. Gray Rhamnaceae.

V-64-209. Highway 89, six and one half miles south of Flagstaff, Ariz. Pine forest. Rhizomatous shrub, umbel flowers small white.

303220. *CEANOTHUS* sp.

V-63-200. Five miles north of Crawford, Colo., dry north facing slope, rocky soil. Shrub low, in wild. Leaves small, greyish, much browsed by deer; flowers none, fruit none.

303221. *CEANOTHUS* sp.

V-64-311. Colorado 133, one mile north of Junction Colorado 135, west facing, rocky slope. Shrub low, to 8 inches high in wild. Spreading rhizomes, dense patches.

303222 and 303223. *CELTIS RETICULATA* Torr. Ulmaceae.

303222. V-64-52. Colorado River, east of Moab, Utah. Elevation 3,900 feet. Desert form of hackberry. In wild.

303223. V-64-88. Four miles north of Freeway Route 79, Arizona. Elevation 3,900 feet. Along dry wash. Tree wide spreading in wild.

303152 to 303625—Continued

- 303224 to 303228.** *CERCOCARPUS MONTANUS* Raf. Rosaceae.
- 303224.** V-64-94. West slope at base of Sheep Mountain, west of Laramie, Wyo. Shrub; leaves round, coarsely serrate on outer end.
- 303225.** V-63-237. Southwest of Cheyenne, Wyo., dry rolling hills among ponderosa pines. Shrub sparse open, coarsely dentate leaves.
- 303226.** V-64-189. Five or six miles north of Idaho Springs, Colo. Plant to 4 feet high, broad as wide, flowers inconspicuous. Grows on stone wall, west exposure.
- 303227.** V-63-128. East bank of the Black Canyon rim, Gunnison, Colo. In wild; leaves one inch by 0.5 inches sharply serrate.
- 303228.** V-63-143. Ten miles northwest of Basalt, Colo. Country road, dry rocky site. In wild, heavily browsed.
- 303229.** *CERCOCARPUS* sp.
- V-63-91. Slope west of Sheep Mountain, Laramie, Wyo. Along highway, very dry site. Shrub low to medium in wild.
- 303230 to 303232.** *CHAMAEBATIARIA MILLEFOLLUM* (Torr.) Maxim. Rosaceae.
- 303230.** V-64-84. South rim headquarters, Grand Canyon National Park, Ariz. Showy shrub. In wild.
- 303231.** V-64-135. Rim of Grand Canyon, Ariz. Shrub, foliage finely divided, flowers in terminal panicles. In wild.
- 303232.** V-64-257. Five miles east of Jacob's Lake, Ariz., near top of plateau growing in sandstone. In wild.
- 303233.** *CHILOPSIS LINEARIS* (Cav.) Sweet Bignoniaceae. **Desert-willow.**
- V-64-158. Spring Creek, Ariz. Elevation 3,600 feet. Shrub growing in dry wash, willowlike; flowers showy, June-July followed with slender pods.
- 303234.** *CLEMATIS HIRSUTISSIMA* Pursh. Ranunculaceae.
- V-64-21. Ten Sleep Canyon, Wyo., rocky knoll; dry site; herbaceous plant, stems woody and leaves to 18 inches high, not climbing, rhizomatous. Flowers deep purple.
- 303235.** *CLEMATIS ORIENTALIS* L. **Oriental clematis.**
- V-63-226. One mile north of junction of U.S. 6 and Colorado 119. Growing along gravelly banks and sprawling on hillside. May be *C. tangutica* escaped from cultivation. Flowers small, yellow.
- 303236.** *CLEMATIS* sp.
- V-63-195. Black Mesa, 30 miles south of Crawford, Colo. Growing among native grasses and forbs in full sun. Plant low growing, bipinnately divided foliage. Flowers and fruit, none in evidence.
- 303237 to 303257.** *CORNUS STOLONIFERA* Michx. Cornaceae.
- 303237.** V-64-21. North-facing bank, 2 miles west of Florence, Colo., base of limestone cliff. Elevation 4,780 feet. Plant to 8 feet high, vigorous, bark very red.
- 303238.** V-64-22. Cottonwood grove, base of Mountains, Sangre de Crestone Range, Crestone, Colo. Elevation 7,740 feet. Plant to 7 feet high, bark orange red.
- 303239.** V-64-23. Cottonwood grove, Crestone Canyon, Crestone, Colo. Plant to 4 feet high.
- 303240.** V-64-24. Crestone, Colo. Dry site; plant to 7 feet high, bark orange red.
- 303241.** V-64-26. Base of rock cliff west of Del Norte, Colo. Elevation 7,920 feet. Plant to 5 feet high, good red.

303152 to 303625—Continued

303242. V-64-27. Railroad track, 8 miles west of Del Norte, Colo. Elevation 8,200 feet. Plant to 4 feet high.
303243. V-64-28. Railroad track, 8 miles west of Del Norte, Colo. Elevation 8,200 feet. Plant to 12 feet high.
303244. V-64-29. Ten miles east of Wolf Creek Pass, Route 160 between pass and South Fork, Colo. Elevation 8,700 feet. Roadside; plant to 4 feet high, bark red.
303245. V-64-30A. Ten miles east of Wolf Creek Pass, Route 160 Southwest of South Fork, Colo. Elevation 8,700 feet. Roadside.
303246. V-64-32. Highway 16, south fork of Rio Grande, Colo., east-facing slope, along highway. Elevation 8,960 feet. Plant dwarf, bark dark red.
303247. V-64-33. Facing east bank, 0.25 mile below San Juan, Colo. Elevation 8,630 feet.
303248. V-64-34. One-fourth mile below San Juan, Colo., overlooking Highway 160. Widely branching.
303249. V-64-37. Piedra River, 2 miles southwest of Piedra, Colo.
303250. V-64-38. Route 130, 0.25 mile west of Woods Landing, Wyo. Elevation 7,700 feet.
303251. V-64-39. Hamilton, Colo. Elevation 6,600 feet.
303252. V-64-40. Craig, Colo. Elevation 6,350 feet.
303253. V-64-41. Craig, Colo. Elevation 6,350 feet.
303254. V-64-42. Ten miles east of Hayden, Colo. Elevation 6,400 feet. Bark good color.
303255. V-64-43. Oak Creek Canyon, 5 miles north of Sedona along alternate Route 89, Ariz. Elevation 5,500 feet.
303256. V-64-44. Oak Creek Canyon, 5 miles north of Sedona, Ariz. Elevation 5,300 feet.
303257. V-64-45. Creek bank, Piedra River, Piedra, Colo. Elevation 6,900 feet.
- 303258 to 303262. *COWANIA MEXICANA* O. Don Rosaceae.
303258. V-64-78. East side of Sunset Crater on Painted Desert lookout, 11 miles north of Flagstaff, Ariz. Elevation 7,100 feet. Shrub growing in dry sites. Foliage evergreen, glandular, flowers pale yellow.
303259. V-64-80. Duck on Rock viewpoint, Grand Canyon Road, Ariz., facing east bank.
303260. V-64-99. Road to Red Rock, N. Mex. Elevation 6,150 feet.
303261. V-64-204. Route 64, 7 miles east of Dinnehotso, Ariz. Desert sand.
303262. V-64-258. Three miles east of Jacob's Lake, Ariz. Sandstone edge of plateau. Shrub straggling, flowers cream colored, fruits plumed.
303263. *CRATAEGUS ERYTHROPODA* Ashe Rosaceae.
- V-63-215. South-facing bank of Boulder Canyon, west of Boulder, Colo. Plant shrubby, dry site, leaves leathery, serrate, spines 2 inches slightly recurved, fruit 0.5 inch diameter, red.
303264. *CRATAEGUS* sp.
- V-63-233. Highway 82 along Frying Pan River 8 miles northwest of Basalt, Colo. Shrub large, thorns 2 inches recurved. Leaves doubly serrate, leathery. Fruit dark maroon with lighter dots.

303152 to 303625—Continued

- 303265 to 303280.** CUPRESSUS ARIZONICA Greene Pinaceae. **Arizona cypress.**
303265. V-64-136. Oak Creek, 3 miles north of Sedona, Ariz. Elevation 4,500 feet. Tree weeping.
303266. V-64-137. East of Sedona, Ariz., Schnebley Hill Road. Elevation 5,500 feet.
303267. V-64-138. East side Oak Creek Canyon, Ariz., Schnebley Hill Road. Elevation 4,900 feet.
303268. V-64-139. Dry creek wash, 15 miles southwest of Sedona, Ariz. Elevation 5,000 feet. Seedling; columnar type.
303269. V-64-140. Schnebley Hill Road, northeast of Sedona, Ariz. Elevation 5,900 feet. Seedling.
303270. V-64-141. Schnebley Hill Road, Sedona, Ariz. Elevation 5,500 feet.
303271. V-64-142. Schnebley Hill Road, Sedona, Ariz. Elevation 6,000 feet.
303272. V-64-143. Schnebley Hill Road, northeast of Sedona, Ariz.
303273. V-64-144. Dry creek southwest of Sedona, Ariz. Elevation 5,000 feet.
303274. V-64-145. East of Sedona on Schnebley Hill Road, Ariz. Elevation 5,500 feet. Seed of V-64-137.
303275. V-64-146. East of Sedona, Ariz. Elevation 5,900 feet. Seed of V-64-140.
303276. V-64-147. Lower end Oak Creek, 4 miles south of Sedona, Ariz. Elevation 4,100 feet.
303277. V-64-148. Dry Creek Canyon, 12 miles southwest of Sedona, Ariz. Elevation 6,000 feet.
303278. V-64-151. Dry Creek, 15 miles southwest of Sedona, Ariz., on high cliff. Elevation 5,800 feet.
303279. V-64-155. Dry creek, 17 miles southwest of Sedona, Ariz. Elevation 5,000 feet.
303280. V-64-229. Schnebley Hill Road, Oak Creek Canyon, Sedona, Ariz. Elevation 5,000 feet.
- 303281.** DELPHINIUM GRANDIFLORUM L. var. CHINENSIS Fisch. ex DC. Ranunculaceae. **Slender larkspur.**
- V-63-218. Cheyenne Horticultural Field Station, Cheyenne, Wyo. Hardy plant to 30 inches high; 15 years old. Flowers deep blue.
- 303282.** DELPHINIUM sp.
- V-63-77. Medicine Bow Forest, Happy Jack Road, 20 miles west of Cheyenne, Wyo. Plant low, leaves deeply dissected; flowers deep purple; roots tuberous.
- 303283.** DELPHINIUM sp.
- V-64-316. Four miles north of Thompsonville, Colo., White River National Forest, shaded bank. Plant to 5 feet high, indicated by stalks.
- 303284.** DIANTHUS CARYOPHYLLUS L. Caryophyllaceae. **Carnation.**
- V-63-17. From garden in Buffalo, Wyo. Widely grown, fully hardy at Buffalo, flowers white.
- 303285 and 303286.** DISTICHLIS STRICTA (Torr.) Rydb. Gramineae. **Inland saltgrass.**

303152 to 303625—Continued**303285 and 303286—Continued**

303285. V-64-301. Buckskin spring, Goblin Valley Road, each of Green River, Utah. Weathered sandstone, low harsh grass heavily grazed by cattle, tough coarse rhizomes.

303286. V-64-305. Three and one half miles east of junction Routes 6 and 65, Grand Junction, Colo. Along road shoulders.

303287. *DUCHESNEA INDICA* (Andrews) Focke Rosaceae.

India mock-strawberry.

V-63-245. Southeast Nebraska on farm near Nebraska City. Habit and appearance of strawberry, yellow bloom, conspicuous calyx, fruit round red with raised achenes. May have value as ground cover or basket plant.

303288. *ENCELIA FRUTESCENS* (Gray) Gray Compositae.

V-64-87. Globe-Mesa highway, 10 miles west of Globe, Ariz. Rocky bank, sub shrub, dry site, glaucous, leaves entire, antitoxic substance toxic to other plants.

303289. *ERIGERON* sp. Compositae.

V-63-185. West of the divide and 6 miles north of Highway 50 on the old Monarch pass road, 2 miles north of Sargents, Colo. Roadside, rocky slope facing west. Perennial erect, lanceolate, leaves entire, margined. Flowers 1.5 to 2 inches in diameter, deep lavender with conspicuous yellow disks. Stoloniferous.

303290. *ERIGERON* sp.

V-63-121. Two miles south of Redstone, Colo. Dry, open rocky meadow. Forming mats.

303291. *FALLUGIA PARADOXA* (D. Don) Endl. Rosaceae.

V-64-241. Twenty-four miles north of Flagstaff, Ariz., along Route 89. Dry wash. Shrub to 6 feet high, leaves finely divided, flowers to 1 inch, cream colored.

303292 to 303296. *FENDLERIA RUPICOLA* Engelm. & Gray Saxifragaceae.

303292. V-63-140. Black Canyon, Gunnison, Colo. Leaves lanceolate; hairs scattered; rough to touch; shrub upright; flowers white; fruit a capsule. Sparse open plant.

303293. V-63-198. Seven miles south of Crawford, Colo., on dry east slope.

303294. V-63-213. Six miles south of Crawford, Colo., on dry south bank.

303295. V-63-231. Seven miles south of Crawford, Colo., along Highway 92 on east slope.

303296. V-64-201. Route 160, 8 miles east of Mancos, Colo., on dry rocky soil. Free flowering; flowers large.

303297. *FESTUCA* sp. Gramineae.

V-64-228. San Francisco Mountains north of Flagstaff, Ariz. Open forest, partial shade. Leaves narrow, fine. Bunchgrass.

303298 to 303301. *FORESTIERA NEOMEXICANA* A. Gray. Oleaceae.

303298. V-64-66. Six miles north of Springerville, Ariz. Dry wash west side of road. Shrub to 8 feet high; decumbent, stoloniferous branches, rooting nodes, dense clumps, foliage gray.

303299. V-64-71. Route 128, 6 miles east of Moab, Utah. Elevation 3,900 feet. Shrub dense on desert.

303300. V-64-75. Between Moab-Cesco, Utah and Route 128. Elevation 4,080 feet. Shrub dense, layered.

303152 to 303625—Continued**303298 to 303301—Continued**

303301. V-64-100. Three miles south of Lyman Lake along roadside, north of Rock Springs, Ariz. Shrub dense.

303302 to 303305. *FRAXINUS ANOMALA* Torr. ex Wats. Oleaceae.

303302. V-64-203. Seven miles east of Dinnehotso, Ariz. Sandy desert.

303303. V-64-206. Three and one half miles east of junction, Routes 6 and 65 on Grand Mesa Road, Colo. South canyon wall.

303304. V-64-286. Seven miles west of Escalante, Utah. Steep north slope in weathered sandstone. Tree small, multistemmed, leaves unifoliate, shining green.

303305. V-64-303. San Raphael Reef road cut north of Goblin Park road, Utah. Tree small, shrubby.

303306. *FRAXINUS* sp.

V-64-68. Oak Creek Canyon Road, 12 miles south of Flagstaff, Ariz. Elevation 4,000 feet. Tree low, growing on steep slope to south.

303307. *GERANIUM CAESPITOSUM* James ex Gray Geraniaceae.

V-63-222. Mountain meadow top of Black Mesa, 30 miles south of Crawford, Colo. Growing among native grasses and forbs. Plant strong, to 2 feet high, flowers vary white to rosy purple.

303308. *GERANIUM* sp.

V-63-16. Happy Jack Road, Medicine Bow Forest, Wyo. Elevation 7,000 feet. Foliage gray green, herbaceous.

303309. *GERANIUM* sp.

V-63-30. Canyon near Fort Robinson, Neb. Dry site. Rosette stage, no bloom, leaves small.

303310. *GERANIUM* sp.

V-63-79. Happy Jack Road, Medicine Bow Forest, Wyo., dry south slope. Elevation 7,200 feet. Herbaceous perennial.

303311. *GERANIUM* sp.

V-63-111. Two miles southeast of Redstone, Colo., rocky soil. Rosette.

303312. *GERANIUM* sp.

V-63-167. Salida-Hartsel, Colo., roadside among rocks; rosette.

303313 and 303314. *GEUM TRIFLORUM* Pursh. Rosaceae.

303313. V-63-11. Crazy Woman Canyon, east of Bighorn Mountains, southwest of Buffalo, Wyo. Dry south slope. Plant low acaulescent; leaves pubescent 3-6 inches long, 1-2 inches wide, bipinnate acute tips to lobe, flowering scape 4-6 inches tall, rose pink; petals white, flowers turbinate.

303314. V-63-47. Crazy Woman Canyon, Bighorn Mountains, southwest of Buffalo, Wyo. Plant low, acaulescent; scape 4-6 inches; leaves 3-6 inches long; bipinnate 1-2 inches wide; acute, flowering scape and sepals pink; petals whitish.

303315 and 303316. *GILIA AGGREGATA* (Pursh) Spreng. Polemoniaceae.

303315. V-63-191. Central Rocky Mountains, 8.5 miles south of Crawford, Colo. Biennial. Winters over as rosette of lacy leaves producing stalk to 3 feet high following summer. Long flowering period. Colors range from white to bright scarlet, star shaped limb of the tubular corolla speckled deeper red.

303316. V-63-225. Black Mesa road, 25 miles south of Crawford, Colo. Common; variable flower colors.

303152 to 303625—Continued

303317. *HEUCHERA* sp. Saxifragaceae.

V-64-54. Oak Creek, 9 miles north of Sedona along Route 89 Alternate, Ariz. Elevation 6,300 feet.

303318 to 303321. *HILARIA JAMESII* (Torr.) Benth. Gramineae.

Galleta grass.

303318. V-64-194. Three miles west of Colorado 150, from turnout to Fort Garland Great Sand Dunes National Monument, south central Colo. Rhizomes heavy, spreading in dry gravelly sand.

303319. V-64-238. Twenty-three miles north of Flagstaff, Ariz., along Route 89. Dry volcanic cinders. Rhizomatous, high drought tolerance.

303320. V-64-278. Utah 15, 3.5 miles west of junction with Route 89, Utah. Dry rocky hillside. Blooms early. Flagstaff collection had mature seed.

303321. V-64-304. Twelve miles east of Green River, Utah, on Highway 24. Clones leafy, to 24 inches high, rhizomes stout.

303322. *HILARIA* sp.

V-64-234. Eleven miles north of Flagstaff, Ariz., on Highway 89. Volcanic soil.

303323 to 303325. *HOLODISCUS DISCOLOR* (Pursh) Maxim. Rosaceae.

303323. V-63-137. East rim Block Canyon, Gunnison, Colo. Dwarfed spirea shrub; leaves small, grey green; panicles of white flowers.

303324. V-63-148. Highway 92, Black Mesa Road, 20 miles south of Crawford, Colo. Roadside.

303325. V-63-178. Colorado 279, four miles north of Idaho Springs, Colo. Dry roadside. Shrub medium to large, spirealike, pubescent lobed leaves, large sprays of flowers.

303326. *HEUCHERA* sp. Saxifragaceae.

V-63-31. Fort Robinson, Neb. Dry canyon; rosette stage; probably *H. hispida*.

303327. *IPOMOEA LEPTOPHYLLA* Torr. Convolvulaceae.

V-63-247. Valley of Pumpkin Creek, Wild Cat Hills, west Nebraska. Bush, stems decumbent, leaves narrow, flowers magenta pink, 4-5 inches in diameter, blooms over long period.

303328 and 303329. *JAMESIA AMERICANA* Torr. & Gray Saxifragaceae.

303328. V-63-242. South St. Vrain River north of Boulder, Colo. Shrub low to medium, foliage coarse.

303329. V-64-171. One and one half miles west of Boulder, Colo., west Highway 119. Roadside lower edge of mountain. Flowers white, fragrant, showy.

303330 to 303349. *JUNIPERUS* (hybrid). Pinaceae.

303330. V-64-1. Rocky canyon near Langs Point, Nebraska. Weeping form of juniper, 100 years old, tree 35 feet spread, 16 feet high, blue green.

303331. V-64-1A. Langs Point, Nebr. Witches broom from P.I. 303330.

303332. V-64-2. Langs Point, Nebr. Witches broom, juvenile type foliage, purple during winter, dense.

303333. V-64-3. Langs Point, Nebr. Witches broom, cordlike foliage, fair winter color.

303334. V-64-4. Langs Point, Randall Ranch, Nebr. Witches broom, good winter color, dense.

303152 to 303625—Continued

303330 to 303349—Continued

303335. V-64-5. Langs Point, Nebr. Witches broom, adult foliage, may be compact, dense.
303336. V-64-6. Langs Point, Nebr. Witches broom, juvenile foliage, dense.
303337. V-64-7. Langs Point, Nebr. Witches broom, contorted, good color, dense.
303338. V-64-8. Langs Point, Nebr. Witches broom, blue green, dense.
303339. V-64-9. Langs Point, Nebr. Witches broom on *J. scopulorum* type tree, dense.
303340. V-64-10. Langs Point, Nebr. Witches broom, compact cordlike foliage.
303341. V-64-11. Langs Point, Nebr. Young foliage gray, old darker, open type. Ornamental value.
303342. V-64-12. Langs Point, Nebr. Witches broom, appears to resume normal growth from broom.
303343. V-64-13. Langs Point, Nebr. Witches broom, color good.
303344. V-64-14. Langs Point, Nebr. Weeping form, branches slender cordlike, color good, fruiting habit one year.
303345. V-64-15. Langs Point, Nebr. Witches broom, color good.
303346. V-64-16. Lake McConahay, Route 63, 8 miles north of Ogallala, Nebr. Semiweeping *J. virginiana* type, winter color good.
303347. V-64-17. Lake McConahay, Route 63, 8 miles north of Ogallala, Nebr. Witches broom from P.I. 303346.
303348. V-64-18. Langs Point, Nebr. Witches broom.
303349. V-64-19. Lake McConahay, Route 63, 8 miles north of Ogallala, Nebr. Plant horizontal type to 3 feet high, 45 by 45 feet in area, branches ascending.

303350. JUNIPERUS COMMUNIS var. DEPRESSA Pursh

V-63-14. Happy Jack Road, Medicine Bow Forest, Wyo. Elevation 7,200 feet. Small seedlings have not developed adult characters.

303351 to 303355. JUNIPERUS MONOSPERMA (Engelm.) Sarg.

Cherrystone juniper.

303351. V-63-23. Twenty miles north of Ten Sleep, Wyo. Dry west slope. Trees average 10-12 feet high, equal width.
303352. V-63-25. Medicine Bow road south of Ten Sleep, Wyo. Dwarf, foliage like *keterlii*.
303353. V-63-26. Medicine Bow Road south of Ten Sleep, Wyo. Upright form.
303354. V-63-27. Twenty miles south of Ten Sleep, Wyo. Weeping form.
303355. V-63-28. Twenty miles south of Ten Sleep, Wyo. Dwarf.

303356 to 303359. JUNIPERUS PACHYPHLOEA Torr.

Alligator juniper.

303356. V-64-82. Schnebley Road, northeast of Sedona, Ariz. Elevation 6,300 feet. Dry rocky soil. Top round, trunk 2 feet.
303357. V-64-149. Schnebley Hill Road, Mongollon Rim, 15 miles northeast of Sedona, Ariz. Elevation 6,900 feet. Seedling, top low, round, bark checkered, foliage flecked with resin glands.
303358. V-64-150. Schnebley Road, northeast of Sedona, Ariz. Elevation 6,400 feet. Foliage dotted white with resin. Scions; good form as young plant.

303152 to 303625—Continued

303356 to 303359—Continued

303359. V-64-224A. Schnebley Hill Road, 8 miles northeast of Sedona, Ariz., Mongollon Rim. Witches broom on large tree.

303360. JUNIPERUS sp.

V-63-9. Hanler Ranger Station, Highway 16, Bighorn Mountains, Wyo. North slope lodgepole pine. *Horizontalis* type low creeper; needles scale-like; rooting along stem; sex unknown. Grows in high altitudes.

303361. JUNIPERUS sp.

V-63-29. Thirty-five miles south of Ten Sleep, Wyo. Upright pyramidal form.

303362. JUNIPERUS sp.

V-64-93. Crestone Canyon, Crestone, Colo. Elevation 8,500 feet.

303363 and 303364. KOELERIA CRISTATA (L.) Pers. Gramineae.

303363. V-64-226. Schnebley Hill Road, 11 miles northeast of Sedona, Ariz., Mongollon Rim. Common in pine juniper forest.

303364. V-64-259. Five miles east edge of plateau, Jacob's Lake, Ariz.

303365 and 303366. LARREA DIVARICATA Cav. Zygophyllaceae.

303365. V-64-90. Cabe Creek, Ariz. Elevation 2,300 feet. Open desert, among jumping cholla. Leaves small, dark green.

303366. V-64-117. North of Cottonwood, Ariz. Elevation 3,550 feet.

303367. LEUCOCRINUM MONTANUM Nutt. ex A. Gray Liliaceae.

V-63-39. Happy Jack Road west of Cheyenne, Wyo. South slope; acaulescent perennial to 2 inches high; foliage grasslike; flowers narrow petaled, white.

303368 to 303370. LONICERA INVOLUCRATA (Richards.) Banks Caprifoliaceae. **Honeysuckle.**

303368. V-64-25. In woods at base of Sangre de Cristo, 1 mile west of Crestone, Colo. Shrub rounded, compact, low branching, collected as cuttings.

303369. V-64-191. South of Georgetown towards Grant, Colo. High elevation. Buds at 2 feet.

303370. V-64-199. Route 160, 15 miles south of South Fork, Colo. Cuttings taken of 28 plants.

303371. LONICERA sp.

V-63-84. Shickley cabin, Eldora, Colo. Elevation 8,500 feet. North slope, moist site. Shrub stoloniferous, leaves coarse, pale green.

303372. LYCIUM sp. Solanaceae.

V-63-239. Emmet, Idaho, along the bank of the Payette River. Shrub thorny, flowers purple, berries red.

303373. LYCIUM sp.

V-64-248. Seventy-three miles north of Flagstaff, Ariz., along Route 89. Dry sandy soil. Shrub low growing, suckering widely, foliage green to glaucous, berries .375 inch, orange.

303374. LYCIUM sp.

V-64-251. Seventy-three miles north of Flagstaff, Ariz., along Route 89. Dry sandy soil. Shrub low growing, suckering widely, foliage yellow green, berries small.

303152 to 303625—Continued

303375. *MAHONIA HAEMATOCARPA* (Woot.) Fedde Berberidaceae.

V-63-126. One mile east of Crawford, Colo. Along highway on rocky slope. Shrub large, wood yellow; leaves pinnate; glaucous; spined hollylike, sharp; fruit several seeded. Susceptible to black rust.

303376 to 303382. *MAHONIA REPENS* (Lindl.) G. Don **Creeping mahonia.**

303376. V-63-13. Boulder Canyon, west of Boulder, Colo. South slope. Evergreen, low broad leaved, leaves hollylike.

303377. V-63-193. Old Monarch Pass Road west of the divide, 8 miles northeast of Sargents, Colo. Sunny western exposure. Evergreen, low growing, broad leaved.

303378. V-63-199. Seven miles south of Crawford, Colo. Dry east slope.

303379. V-63-224. Old Black Mesa Road, northwest side of Black Mesa, Colo., along shoulder in full sun.

303380. V-63-250. South St. Vrain, Colo.

303381. V-64-72. South bank Oak Creek Canyon, 13 miles south of Flagstaff below Mongollon Rim, Ariz. Elevation 6,560 feet. Full sun.

303382. V-64-169. One and one half miles west of Boulder, Colo., Highway 119. Roadside, lower edge of mountains.

303383. *MAHONIA* sp.

V-63-131. Eight miles southwest of Vail, Colo., along highway. Low growing; probably stunted by drought.

303384. *MAHONIA* sp.

V-63-138. East rim Black Canyon, Gunnison, Colo. Low spreading.

303385. *MAHONIA* sp.

V-63-174. Three miles west of junction of Highways 6, 7 and 24, Eagle County, Colo. Sunny, good soil along roadside. Evergreen shrub low.

303386. *MERTENSIA* sp. Boraginaceae.

V-63-42. Crazy Woman Canyon, southwest of Buffalo, Wyo. Plant low, smooth glaucous foliage, small blue flowers.

303387. *MERTENSIA* sp.

V-63-165. Road from Salida to Hartsel, Colo. Dry west site, rocky soil. Plant to 8 inches high; multistemmed; basal leaves large; stem leaves to 1.5 inches long; lanceolate; flowers .75 inch long, blue.

303388 and 303389. *MIRABILIS MULTIFLORUS* (Torr.) A. Gray Nyctaginaceae.

303388. V-64-156. Two miles east of Portland, Colo. Dry south slope. Bush rounded 16.4 feet high by 1 foot 4 inches wide; glaucous; flowers lavender pink, born in axils of leaves. Perennial from long, thick foot.

303389. V-64-235. Eleven miles north of Flagstaff, Ariz. Dry cinder soil. Glaucous round tipped plant 2 feet tall by 4 feet wide. Flowers many, rosy purple.

303390 to 303393. *MUHLENBERGIA PUNGENS* Thurb. Gramineae. **Muhly.**

303390. V-64-165. Interstate 80 and 6, 9 miles east of Roggan, Colo. Sandy roadside. Prolific rhizomes, foliage very sharp, vigorous, hold sand well. Fine-leaf grass.

303391. V-64-166. Highway 80 and 6, 9 miles east of Roggan, Colo. Prolific rhizomes, very sharp foliage, very vigorous, hold sand well, leaf wide, predominating.

303152 to 303625—Continued

303390 to 303393—Continued

303392. V-64-274. Eight miles north of Kanab, Utah, east bank sand dune. Foliage 4 to 6 inches, harsh bluish, stout, rhizomes sharp pointed.

303393. V-64-288. Ten miles northeast of Escalante, Utah on Route 54. Elevation 6,000 feet. Sandy soil.

303394. *NEOMAMMILLARIA* sp. *Cataceae*.

V-63-103. Happy Jack Road west of Cheyenne, Wyo. Ball 4 inches; flowers pink.

303395. *OENOTHERA SERRULATA* Nutt. *Onagraceae*.

V-63-248. Three miles west of Madrid, Neb. Roadside, sandy soil. Shrub to 12 inches, leaves narrow serrate, flowers .75 inch, bright yellow. Constant bloomer under cultivation. Tends to be evergreen or semi-evergreen in wild, highly colored in fall.

303396. *OPUNTIA ARBORESCENS* Engelm. in Wisliz. *Cactaceae*.

V-64-20. South of Colorado Springs, Colo. Roadside, dry, common. *Arborescens* 4 by 5 feet.

303397. *ORYZOPSIS* sp. *Gramineae*.

V-64-244. Thirty-six miles north of Flagstaff, Ariz. Culms 1 foot high.

303398. *ORYZOPSIS* sp.

V-64-269. Western dry, sandy talus slope on Highway 89, 4 miles north of Kanab, Utah. Panicle tightly enclosed in sheath.

303399 to 303405. *PACHYSTIMA MYRSINITES* (Pursh) Raf. *Celastraceae*.

303399. V-63-110. Colorado 133, 2 miles south of Redstone, Colo. Partial to full sun, rocky soil. Shrub evergreen, low, broadleaved, spreading, slender rhizomes.

303400. V-63-113. Eight miles southwest of Dillon, Colo. Shady north slope. Shrub, low evergreen.

303401. V-63-154. McClure Pass, above Redstone, Colo. Elevation 9,600 feet. Low evergreen, rocky soil.

303402. V-64-53. Oak Creek Canyon, 9 miles north of Sedona, Ariz. Elevation 6,300 feet. East bank, low evergreen.

303403. V-64-195. Eleven miles south of South Fork, Colo., along Highway 160. Wooded, sunny area.

303404. V-64-212. Oak Creek Canyon, 16 miles south of Flagstaff, Ariz. Sunny bank.

303405. V-64-315. Two miles north of Thompsonville, Colo., White River Forest. Sunny west bank, roadside.

303406. *PALAFOXIA SPHACELATA* (Nutt.) Cory *Compositae*.

V-63-216. Growing in sand along interstate highway, Brush, Colo. Low annual, plant open sparse, flowers deeply three-cleft composite, bright rose purple.

303407. *PENSTEMON AURIBERBIS* Pennell *Scrophulariaceae*.

V-64-129. Two miles east of Portland, Colo. Leaves narrow, green, low tuft, spikes 3-6 inches, lavender flowers, corolla narrow tube, throat inflated, stamens covered with golden hairs.

303408 to 303410. *PENSTEMON BARBATUS* (Cav.) Roth.

303408. V-64-118. Three miles west of Miami, Ariz. Leaves bright green, oblanceolate.

303409. V-64-125. Eight miles west of Monte Vista along Route 160, Colo.

303152 to 303625—Continued

303408 to 303410—Continued

303410. V-64-214. Below Pump House wash, Oak Creek Canyon, 15 miles south of Flagstaff, Ariz. Roadside, flowers tall, scarlet.

303411 and 303412. *PENSTEMON BARBATUS* ssp. *TORREYI* (Benth.) Keck

303411. V-64-31. Ten miles east of Wolf Creek Pass, along Route 160 southwest of South Fork, Colo. Flowers brilliant red, slender to 24 inches tall, corolla to 1 inch, stamens exerted.

303412. V-64-119. South of Flagstaff, Ariz., Coconino Forest. Elevation, 7,000 feet. Plant vigorous to 4 inches tall, foliage narrow, flowers scarlet.

303413 and 303414. *PENSTEMON BRIDGESII* A. Gray

303413. V-64-113. Oak Creek Canyon, 11 miles north of Sedona, Ariz. Elevation 6,500 feet. Shrub low-sub. Distinct from all plants collected thus far.

303414. V-64-121. South rim, Grand Canyon, Ariz. Elevation 7,000 feet. Foliage narrow, green. Flowers tubular, bright red.

303415 and 303416. *PENSTEMON CAESPITOSUS* Nutt. ex A. Gray

303415. V-64-320. Twenty miles southeast of Eagle, Colo. Roadside, plant low, spreading, nodes rooting, flowers dark blue, borne singly in leaf axils.

303416. V-64-322. Twenty miles south of Eagle, Colo. Roadside, same as P.I. 303415 except flowers pale blue.

303417. *PENSTEMON CLUTEI* A. Nels. Scrophulariaceae.

V-64-207. One mile west of Sunset Crater National Monument, northeast of Flagstaff, Ariz. Foliage serrate, glaucous, suffrutescent.

303418. *PENSTEMON COMARRHENUS* A. Gray

V-63-122. West edge of Paonia, Colo. South dry, rocky bank. Plant tall, panicles airy; flowers 1 inch long, light blue.

303419. *PENSTEMON CRANDALLII* A. Nels

V-63-180. Thirty miles northeast of Salida, Colo. Rocky south slope, dry. Perennial, low, woody at base, stems decumbent, leaves spreading, dull green, narrowly spatulate; flowers .75 inch long, purple, staminoides bearded, yellow hairs. Roots long, coarse without conspicuous root hairs.

303420. *PENSTEMON EATONII* A. Gray

V-64-291. Twelve miles northeast of Escalante, Utah, along Highway Utah 54. Sandy soil, flowers red.

303421. *PENSTEMON EATONII* ssp. *UNDOSUS* (M. E. Jones) Keck

V-64-123. Schnebley Hill Road, east of Sidona, Ariz. Elevation 5,900 feet. Sandy talus slope; stem to 28 inches high, leaves oblanceolate, 4 inches long, slightly glaucous, petioled strongly; flowers 1 inch long, red.

303422 to 303424. *PENSTEMON LARICIFOLIUS* ssp. *EXILIFOLIUS* (A. Nels.) Keck

303422. V-63-35. Eighteen miles north of Medicine Bow, Wyo. Dry roadside caespitose perennial; leaves fine; flowering scape to 8 inches high.

303423. V-63-99. West of Sheep Mountain above highway on dry slope, south of Centennial, Wyo. Caespitose, tiny perennial, stems flowering to 5 inches, flower color unknown.

303424. V-64-131. Southwest of Laramie, Wyo., 2 miles west of Harmony Station. *Ericopsis* low.

303152 to 303625—Continued

303425 and 303426. *PENSTEMON LINARIOIDES* A. Gray

303425. V-64-266. Eight miles northwest of Jacob's Lake, Ariz., along Route 89, under pine trees, common. Low-growing suffruticose, flowers blue.

303426. V-64-309. Road down from Grand Mesa, about 12 miles north of Cedaridge, Colo. Backslopes along roadside. Elevation 8,000 feet. Plant low growing, dense clumps of foliage, flowers light to medium blue.

303427 and 303428. *PENSTEMON MENSARUM* Pennell

303427. V-63-153. McClure Pass, above Redstone, Colo. Flowers to 2.5 feet tall; very dark, good color.

303428. V-64-307. Five miles south of Mesa, Colo., Route 65. Dense colony in boulder field, seeding freely, dark blue flowers.

303429. *PENSTEMON NUDIFLORUS* A. Gray

V-64-225. Mogollon rim along Schnebley Hill Road, Sedona, Ariz., in rocky soil. Plant 2 feet high, slender, flowering scapes; widely spaced, light purple, bell shaped flowers, borne on long slender stems. Basal rosette sparse.

303430. *PENSTEMON OUSTERHOUTII* Pennell

V-63-147. Ten miles northwest of Basalt, Colo., very dry site. Plants in rosette stage, leaves oblanceolate and glaucous. Old flower stalks to 35 inches high.

303431. *PENSTEMON PALMERI* A. Gray

Palmer penstemon.

V-64-268. Four miles north of Kanab, Utah, in sand and sandstone desert canyon. Plant tall, foliage serrate, flowers glaucous, large near white.

303432. *PENSTEMON PSEUDOSPECTABILIS* ssp. *CONNATIFOLIUS* (A. Nels) Keck.

V-64-128. South facing slope, Oak Creek Canyon, 13 miles south of Flagstaff, Ariz. Elevation 6,500 feet. Plant to 26 inches high, glaucous, leaves connate with serrate margins, flowers rose, almost peloric, corolla, one inch long.

303433 and 303434. *PENSTEMON RYDBERGII* A. Nels.

303433. V-63-56. East of Divide Highway 16, Bighorns, Col. Mat forming with 6-10 inch flower stems; "mint flowered" blue.

303434. V-64-178. Between Nederland and Eldora, Colo. Leaf dark, shiny; flowers small, blue, to 6 inches high.

303435 to 303438. *PENSTEMON SECUNDIFLORUS* Benth. in DC.

303435. V-63-32. Twenty miles south of Ten Sleep, Wyo. West slope under badlands conditions edge in juniper forest. Plant to 6 inches high, foliage glaucous, secund spike, flowers clear lavender.

303436. V-63-81. West slope James Creek Road near Boulder Mountain Park, Colo. Leaves lanceolate, glaucous, spike to 18 inches high, secund.

303437. V-64-172. Six miles east of Nederland, Colo.

303438. V-64-323. Two miles east of Georgetown, Colo., steep roadside bank. Plant rosy purple, 20 inches, showy.

303439 to 303442. *PENSTEMON STRICTUS* Benth.

303439. V-63-134. Eight miles west of Vail, Colo. Deeper blue than the type.

303440. V-63-183. Ten miles south of Gypsum, Colo. East-facing slope, steep, among serviceberry, heavily overgrazed pasture. Leaves dull green, basal rosette, spatulate $\frac{3}{4}$ by $\frac{1}{8}$ in size, no fruiting stalks apparent. May be mat forming.

303152 to 303625—Continued**303439 to 303442—Continued**

303441. V-63-184. Ten miles south of Gypsum, Colo., dry ridge, heavily grazed pasture among serviceberry. Plant without fruiting stalks; basal rosette of 3 by 0.5 inches, dull green leaves.

303442. V-63-187. North of Black Canyon, Gunnison area on a dry slope near Green Mountain, Colo. Heavily grazed, no flowers or fruit. Rosette dull green, spatulate leaves.

303443. PENSTEMON STRICTUS ssp. ANGUSTUS Pennell

V-64-127. South of Pagosa Springs, Colo. Stem and basal foliage puberulent, flower spike secund, flowers large, pale.

303444. PENSTEMON sp.

V-63-34. Fifteen miles south of Buffalo, Wyo. Dry rocky ridge, rosette stage.

303445. PENSTEMON sp.

V-63-38. Thirty miles north of Medicine Bow, Wyo. Dry slope near uranium camp. Flowers mat forming, 6-8 inch scapes, blue.

303446. PENSTEMON sp.

V-63-68. Eight miles west of Fort Robinson, Neb. Dry canyon. Basal rosette or rough, dull, green leaves with strongly serrate margins.

303447. PENSTEMON sp.

V-63-82. Dry west slope James Creek Road, Boulder Mountain Park, Colo. Mat forming, eight-inch flowering stems; flowers blue in whorls.

303448. PENSTEMON sp.

V-63-88. Foot of Sheep Mountain 8 miles west of Centennial, Wyo. Low, mint flowered, 6-8 inch stems; blue flowers.

303449. PENSTEMON sp.

V-63-98. West side Sheep Mountain above highway, steep open slope south of Centennial, Wyo. Rosette narrow, glabrous leaves.

303450. PENSTEMON sp.

V-63-144. Ten miles northwest of Basalt, Colo., north facing bank. Plants in rosette stage; old seed stalks to 30 feet.

303451. PENSTEMON sp.

V-63-158. Among rocks, Crestone Canyon, Crestone, Colo. Elevation 8,000 feet. Plant 2 feet, flowers large, blue.

303452. PENSTEMON sp.

V-63-164. Crestone Canyon, Crestone, Colo. Elevation 8,500 feet. Plant 2 feet high, upright; leaves narrow; conspicuous lines; staminode smooth; throat inflated; flower .875 inch long.

303453. PENSTEMON sp.

V-63-172. Three miles west of junction of Highways 6 and 24, Eagle County, Dowd, Colo. Good soil, full sun, roadside. Plant to 18 inches high, no basal rosette, thick glabrous foliage, leaves "crisps type" broadly cuneate, sessile .75 inch wide, 2.5 inches long. Flowers .875 inch long, dark blue, staminode with golden hair.

303454. PENSTEMON sp.

V-63-188. Canyon leading to Cottonwood Pass, southwest of Gypsum, Colo. Dry, east slope among juniper-pinon trees, clay soil, overgrazed pasture. Rosette of glaucous foliage, old flowering stems to 2 feet high, no bloom in 1963.

303152 to 303625—Continued**303455. PENSTEMON sp.**

V-63-189. Eight and one half miles southwest of Gypsum, Colo. Cottonwood Pass, among serviceberry. Plants in rosette stage, 5 by 1.25 inch basal leaves. Leaves dull green. Old flower stalks indicate a plant 2 to 3 feet high.

303456. PENSTEMON sp.

V-63-190. Cottonwood Pass Road, 10 miles southwest of Gypsum, Colo. Among serviceberry. Plant mat forming with 12-15 inch flower stalks. Flowers are .625 inch long and dark blue.

303457. PENSTEMON sp.

V-63-209. Cottonwood Pass southwest of Gypsum, Colo. Dry soil, among serviceberry. Plant in rosette stage, no flowers or fruit.

303458. PENSTEMON sp.

V-64-35. Rocky, east-facing slope, south of Pederia, Colo.

303459. PENSTEMON sp. Scrophulariaceae.

V-64-49. Dry bank, Grand Canyon Road, near Grand View Lookout, Ariz. Rosette stage.

303460. PENSTEMON sp.

V-64-55. Oak Creek Canyon, 12 miles south of Flagstaff just below Mogollon Rim, Ariz. Elevation 6,300 feet. Probably red flowered.

303461. PENSTEMON sp.

V-64-106. Ten miles north of Rock Springs, Ariz., Old Black Canyon Road. Elevation 3,200 feet. Subshrub, narrow leaves, red midribs, red stem, narrow, red, tubular flowers, corolla campanulate.

303462. PENSTEMON sp.

V-64-122. One mile south of Route 61, junction 666, Sanders, Ariz. Very sandy soil. Foliage glaucous, dense, rosette, leaves narrowly lanceolate, section anularius.

303463. PENSTEMON sp.

V-64-130. Route 128, 3 miles east of Moab, Utah turnoff. Elevation 3,900 feet. Cliff base in the Colorado River Canyon. Red-flowered pent. Grayish cast to long, petioled, ovate leaves; leaf margins strongly undulate with ruffled appearance.

303464. PENSTEMON sp.

V-64-132. Grand Canyon at south rim headquarters, Ariz. Foliage glaucous, broadly lanceolate basal leaves with distinct petioles.

303465. PENSTEMON sp.

V-64-134. Grand Canyon, Ariz. Elevation 7,250 feet. Glaucous stem and leaves, basal leaves broadly lanceolate to spatulate, bracts mucronate, broadly oval sessile, corolla .8 inch long, throat inflated, color lavender. Staminode with golden hairs.

303466. PENSTEMON sp.

V-64-152. Dry Creek Canyon, 15 miles southwest of Sedona, Ariz.

303467. PENSTEMON sp. Scrophulariaceae.

V-64-222. Schnebley Hill Road, 6 miles northeast of Sedona, Ariz. Elevation 5,500 feet. Sandy soil, glaucous foliage, no bloom.

303468. PENSTEMON sp.

V-64-261. Four miles east of Jacob's Lake, Ariz., along Route 89. Growing in association with ponderosa pine. Blue-flowered species, probably belonging to section anularius. Plant to 24 inches high, glaucous foliage, flowers about .8 inch long.

303152 to 303625—Continued

303469. *PENSTEMON* sp.

V-64-264. Seven miles north of Jacob's Lake, Ariz., among ponderosa pine. Blue-flowered, 24 inches spikes above rosette of glaucous foliage.

303470. *PENSTEMON* sp.

V-64-273. Eight miles above Kanab, Utah, sandy soil, east dune. Large, blue flowers in secund, spikelike panicles foliage slightly glaucous. Plant to 30 inches high.

303471. *PENSTEMON* sp.

V-64-276. One mile southwest of Virgin River, Mount Carmel, junction of Highways 89 and 15, Utah. Tubular, red flowers.

303472. *PENSTEMON* sp.

V-64-277. Three and one half miles west of junction Routes 15 and 89, Utah. Dry rocky hillside, open field. No bloom because of drought.

303473. *PENSTEMON* sp.

V-64-281. On Utah 14, 2 miles west of junction 89, Utah.

303474. *PENSTEMON* sp.

V-64-293. Utah 54, 12 miles northeast of Escalante, Utah in sand. Upright spikes to 14 inches high, glaucous foliage, bright blue flowers.

303475. *PENSTEMON* sp.

V-64-313. Seven miles west of Reudi, Colo., on roadside, White River National Forest. Small, light-blue flowers.

303476. *PERAPHYLLUM RAMOSISSIMUM* Nutt. ex Torr. & A Gray Rosaceae.

V-63-151. Roadside 5 miles northwest of Paonia, Colo.; dry, rocky soil. Low medium shrub with arching stems; leaves spatulate; shallow serrations; flowers in umbels; fruit a pome .375-.625 inch diameter.

303477. *PHASEOLUS* sp. Leguminosae.

V-64-242. Twenty-four miles north of Flagstaff, Ariz., on roadside in desert. Perennial vine with narrow lanceolate leaflets. Volcanic soil.

303478 to 303480. *PHILADELPHUS MICROPHYLLUS* A. Gray Saxifragaceae.

303478. V-63-139. East rim Black Canyon, Gunnison, Colo. Growing in cracks in rocks. Plant to 2 feet high; stems very fine; leaves narrowly ovate; scattered adpressed hairs; entire 0.375 by 0.125 inch; flower buds 3.

303479. V-63-182. East rim Black Canyon, Gunnison, southwest Colo. Cracks in cliff face. Low-growing shrub, very small leaves, fine branches and axillary flowers, plants in wild range to 3 feet high.

303480. V-63-214. Black Canyon, Gunnison, Colo., south of east entrance of the Monument. Plants grow in clefts in canyon wall. Shrub to 3 feet, intricately branched. Leaves to one inch long. Flowers terminal in clusters of one to three; fruit a capsule.

303481. *PHLOX* sp. Polemoniaceae.

V-63-37. Thirty miles north of Medicine Bow, Wyo., near uranium camp. Dry, west slope. Low caespitose perennial with lavender instead of white flowers.

303482. *PHLOX* sp.

V-63-53. Twenty-five miles west of Medicine Bow Forest, Happy Jack Road, Cheyenne, Wyo., full sun, rocky slope spreading in forest openings. Caespitose perennial making dense mats of foliage; flowers purple; .5 inch across.

303483. *PHLOX* sp.

V-63-62. Ten miles south Buffalo, Wyo. Dry, rocky ridge. Low caespitose perennial; deep rooting.

303152 to 303625—Continued

303484. PHLOX sp.

V-63-63. Ten miles south of Buffalo, Wyo. Low caespitose perennial, rocky road bank, very dry. Low forming, flat mats, several inches.

303485. PHLOX sp.

V-63-64. Eleven miles south of Buffalo, Wyo. Dry, rocky ridge. Low caespitose perennial forming broad mats.

303486. PHLOX sp.

V-63-67. Eight miles southwest of Fort Robinson, Nebr. Dry canyon under open pine forest. Caespitose perennial; very fine foliage.

303487. PHLOX sp.

V-63-72. Ten Sleep Canyon, 10 miles north of Ten Sleep, Wyo. Very dwarf caespitose perennial; rocky slope.

303488. PHLOX sp.

V-63-73. Dry bank, Ten Sleep Canyon, Ten Sleep, Wyo. Low caespitose perennial; white flowers.

303489. PHLOX sp.

V-63-135. Eight miles west of Vail, Colo. Dry bank; mat-forming, white flowers.

303490. PHLOX sp.

V-63-173. Three miles west of junction of Highways 6 and 24, Eagle County, Colo., dry roadside ditch, good soil, full sun; Dond, Colo. Plant to 6 inches with linear leaves 0.125 inch by 2.5 inches, covered with minute hairs. Flowers pink to 0.75 inch.

303491. PHLOX sp.

V-64-76. Mile 361, Highway 666, south of Sanders, Ariz. Dense sand, low mat former, flowers unknown.

303492. PHLOX sp.

V-64-190. South of Georgetown, Colo., towards Grant, Colo. Plant to 0.5 inch high, flower pink.

303493 and 303494. PHYSARIA CHAMBERSII Rollins Cruciferae.

303493. V-64-208. Sunset Crater National Monument, 15 miles north of Flagstaff, Ariz. Grows in pure cinders. Low crucifer with inflated pods and gray foliage.

303494. V-64-236. Sunset Crater north of Flagstaff, Ariz. Grows in volcanic ash. Low perennial, grayish foliage with dense pubescence, yellow flowers followed in inflated pods.

303495. PHYSARIA VITULIFERA Rydb.

V-63-232. South-facing slope, Crazy Woman Canyon, west of Buffalo, Wyo., sandy bank. Low caespitose perennial with racemes of yellow flowers followed by inflated grayish fruits. Leaves broadly ovate, sinuate covered with finely stellate hairs.

303496. PHYSOCARPUS sp. Rosaceae.

V-63-86. Shickley cabin, Eldora, Colo., moist slope, deep shade. Elevation 8,500 feet. Low shrub in light shade; found in an area where pink-flowered forms were seen.

303497. PHYSOCARPUS sp.

V-63-220. Along Boulder Creek, 6 miles below Nederland, Colo., growing among rocks. Low, many-branched shrub with flowers in small, dense corymbs.

303152 to 303625—Continued

303498. *PHYSOCARPUS* sp.

V-63-241. In lower St. Vrain Canyon north of Boulder, Colo., along base of cliffs, along road. Low, round-topped shrub to 3 feet high with dense panicles of white flowers, leaves smaller than normal.

303499. *PHYSOCARPUS* sp.

V-63-242A. South of St. Vrain Creek, north of Boulder, Colo., along talus slopes. Low-growing shrub under a stand of *Pinus ponderosa* dwarf plants.

303500. *PHYSOCARPUS* sp.

V-63-244. Boulder Canyon at Eldora, Colo., low shrub, white bloom.

303501. *PHYSOCARPUS* sp.

V-63-246. Shickley Cabin, 1 mile southeast of Eldora, Colo. North slope; low, round-topped shrub, 2 feet high, very free blooming.

303502 and 303503. *PINUS CONTORTA* var. *LATIFOLIA* Engelm. Pinaceae.

303502. V-63-3. Foxpark, Wyo. Elevation 9,200 feet. Growing along side of road. Dense "broom" on side of tree; this may be of value for dwarf form for landscaping.

303503. V-63-4. Jamestown Road, Snowy Range, Wyo. Elevation 8,600 feet. Dense growth on tree, making globular head.

303504 to 303506. *PINUS EDULIS* Engelm.

303504. V-63-130. East rim Black Canyon, Gunnison, Colo.

303505. V-63-146. Ten miles northwest of Basalt, Colo. Typical of species young trees.

303506. V-64-153. Dry Creek Canyon, 12 miles southwest of Sedona, Ariz.

303507. *PINUS FLEXILIS* James

Limber pine.

V-63-89. Along highway west slope, Sheep Mountain, south of Centennial, Wyo. Seedling of typical *P. flexilis*. Very dry exposure.

303508 to 303510. *PLATANUS WRIGHTII* S. Wats. Platanaceae.

303508. V-64-48. Oak Creek Canyon, 5 miles north of Sedona along Route 89, Ariz. Elevation 5,300 feet. Large, white-barked tree.

303509. V-64-89. Along Arizona 69, Aqua Tria wash, south of Flagstaff, Ariz. White-barked, large tree.

303510. V-64-159. Arizona 69 along Aqua Tria wash, south of Flagstaff, Ariz. Growing in dry wash.

303511. *POA NERVOSA* (Hook.) Vasey Gramineae.

V-64-271. Highway 89, four miles north of Kanab, Utah. Moist soil, finely divided drooping panicle, purple tinged, foliage good.

303512 to 303517. *POA PRATENSIS* L.

Kentucky bluegrass.

303512. V-64-161. One half mile east of Madrid, Nebr., on Route 23. North bank of roadside.

303513. V-64-167. Two miles west of Fort Lupton, Colo.

303514. V-64-185. Glacier Lake, Nederland, Colo. Gravelly sand. Partial shade. Deep blue green, very vigorous.

303515. V-64-272. Along Route 89, 4 miles north of Kanab, Utah. Moist soil.

303516. V-64-294. Along Route 117 near Summit, Utah. Spruce-fir association in wet mountain meadow. High vigor, bluish foliage, wide leaf blades.

303152 to 303625—Continued

303512 to 303517—Continued

303517. V-64-231. Flagstaff, Ariz., airport, sunny site. Strongly rhizomatous.

303518. POA sp.

V-64-196. Highway 160, 10 miles east of Wolf Creek Pass, 29 miles northeast of Pagosa Springs, Colo., along bank of lake creek. Deep blue green.

303519. POA sp.

V-64-308. South side of Grand Mesa, 10 miles north of Cedaridge, Colo., in road ditch. Elevation 9,000 feet.

303520. POA sp.

V-64-217. Roadside, 18 miles south of Flagstaff along Route 89 Alternate, Ariz. Oakcreek canyon, in shade dry soil. Elevation 6,000 feet.

303521. POA sp.

V-64-227. Two miles below the Snowbowl, San Francisco Mountains, 5 miles north of Flagstaff, Ariz. In mountain meadow, open forest, partial shade. Glaucous foliage, many stout rhizomes.

303522. POA sp.

V-64-260. Five miles east of Jacob's Lake, Ariz., above Colorado River on edge of plateau.

303523. POA sp.

V-64-283. Two miles along Hatch Road off Route 14, south of Panquitch, Utah. In mountain meadow near lava beds. Foliage deep blue green, vigorous, rhizomatous, poor root system, leaves wrinkled appearance of *P. annua*.

303524. POA sp.

V-64-285. Seven miles southwest of Escalante, Utah, along Highway 54. Heavily grazed by cattle, clone about 1 foot square, light yellowish green foliage.

303525. POA sp.

V-64-310. Colorado Route 133, 10 miles north of junction with Route 135, wet roadside. Elevation 7,000 feet. Culms 1.5 feet high at anthesis.

303526. POA sp.

V-64-317. White River National Forest, 4 miles above Thompsonville, Colo.

303527. POA sp.

V-64-321. Twenty miles southeast of Eagle, Colo. Bulbous base, purple panicle, 1 flower per spikelet.

303528. *POLANISIA TRACHYSPERMA* T. & G. Capparaceae.

V-63-227. Boulder Canyon, 12 miles west of Boulder, Colo., south slopes along roadside. Similar to cultivated cleome, feet smaller, flowers pink, foliage digitately compound, pods slightly inflated.

303529. *POPULUS ACUMINATA* Rydb. Salicaceae.

V-64-298. Growing along street in Bicknell, Utah.

303530. *POTENTILLA ANSERINA* L. Rosaceae.

Silverweed.

V-63-181. Roadside on old Monarch Pass Road about 6 miles north of junction with Route 50, 2 miles north of Sargents, Colo. Full sun, moist soil. Low perennial, with pinnate foliage, reversed leaves, silvery pubescent flowers, bright yellow, spreading by runners. Possible ground cover.

303152 to 303625—Continued

- 303531 and 303532.** *POTENTILLA FRUTICOSA* L. **Shrubby cinquefoil.**
303531. V-63-118. Eight miles west of Dillon, Colo. Open, dry meadow, low shrub.
303532. V-64-187. Glacier Lake, along Route 160, 3 miles south of Ward, Colo. Denser and darker green, healthier appearance than others in same population. Gravelly soil.
- 303533.** *POTENTILLA NEPALENSIS* Hook.
 V-63-219. Cheyenne Horticultural Field Station, Cheyenne, Wyo. Open field, unprotected. Herbaceous potentilla; low growing rosette sending up numerous flowering scapes that bloom all summer; .75 inch red flowers have a darker center and are borne well above foliage. A good hardy, ever-blooming perennial.
- 303534.** *POTENTILLA* sp.
 V-63-59. Rocky meadow, Ten Sleep Canyon, 12 miles north of Ten Sleep, Wyo. Rosette of pinnate to 7-inch-long leaves; very pubescent, green, double, serrate, deep root; flowers yellow .75 inch diameter.
- 303535.** *POTENTILLA* sp.
 V-64-180. Between Nederland and Eldora, Colo. Ground cover, rhizomes, pinnately compound leaf. Blooming profusely.
- 303536.** *PRUNUS* sp. Rosaceae.
 V-63-70. Roadside bank above Nederland, Colo., on poor soil along Highway 160. Elevation 9,000 feet. Low growing; browsed by deer; flowers white, small, leaves thin, plum-like.
- 303537.** *PRUNUS* sp.
 V-64-51. Roadside below Copper Canyon Lookout, south of Cottonwood, Ariz. Elevation 3,700 feet. Chance peach tree seedling growing along highway.
- 303538 and 303539.** *PSEUDOTSUGA MENZIESII* (Mirb.) Franco. Pinaceae. **Douglas fir.**
303538. V-63-18. Fifteen miles north of Nederland, Colo., on east slope. Elevation 9,000 feet. Treetop one large witches broom, globular 15 by 15 feet; very dense.
303539. V-63-19. South slope above Nederland, Colo. Elevation 9,000 feet. Very dense appearing to have been sheared. Diameter 2 feet, 60 feet high; excellent ornamental habit.
- 303540 to 303543.** *PURSHIA TRIDENTATA* (Pursh) DC. Rosaceae.
303540. V-63-90. Ten miles northeast of Alcova, Wyo., west slope. Low spreading shrub on dry bank. Flowers yellow.
303541. V-63-230. West slope on old Monarch Pass Road, 18 miles west of the Pass, Colo. Low, round-topped shrub, small foliage, and pale yellow flowers. Very drought tolerant.
303542. V-64-173. Six miles east of Nederland, Colo. Habit similar to *Cotoneaster apiculata*; little yellow flower, fine texture and structure.
303543. V-64-333. Three miles east of Nederland, Colo., on Highway 119, south slope, dry site; low, spreading bush, arching or decumbent branches, 18 inches high, 3 inches wide.
- 303544 to 303548.** *QUERCUS GAMBELII* Nutt. Fagaceae.
303544. V-63-141. Black Canyon, Gunnison, Colo.
303545. V-63-206. Clear Fork Road, 10 miles southeast of Crawford, Colo. Low-growing, widely suckering oak that forms extensive thickets over much of the central Rockies.
303546. V-63-211. Clear Creek, southeast of Crawford, Colo.

303152 to 303625—Continued**303544 to 303548—Continued**

303547. V-64-95. North side of Route 160, west of Durango, Colo. Elevation 7,580 feet.

303548. V-64-96. North side of Route 160, west of Durango, Colo. Elevation 7,580 feet.

303549. QUERCUS sp. Fagaceae.

V-64-61. Spring Creek, Ariz., dry bank. Elevation 3,640 feet. Low scrub oak of the *gambelii* group.

303550. QUERCUS sp.

V-64-83. Monument Valley, Monument Valley, Utah. Elevation 5,300 feet. Low growing in sandy soil.

303551. QUERCUS sp.

V-64-213. Oak Creek Canyon, 15 miles south of Flagstaff on Route 89 Alternat, Ariz., dry bank. Evergreen scrub oak.

303552. QUERCUS sp.

V-64-250. Route 89, 73 miles north of Flagstaff, Ariz., in dry desert wash. Low evergreen oak spreading by suckers.

303553 and 303554. RHUS TRILOBATA Nutt. Anacardiaceae.

303553. V-63-61. Rocky ridge 10 miles south of Buffalo, Wyo. Low-growing form, leaves appear smaller than type; leaflets three-lobed, glabrous. Maybe dwarf type.

303554. V-64-249. Dry wash, open desert, 73 miles north of Flagstaff, Ariz. Unifoliate form of species. Round-topped plant with shining green leaves and red hairy fruit.

303555. RHUS TRILOBATA var. PILOSISSIMA Engler

V-64-206. Route 89, 20 miles north of Flagstaff, Ariz., dry volcanic soil. Pubescent foliage, round-topped plant.

303556. RHUS sp.

V-64-211. Oak Creek Canyon, 15 miles south of Flagstaff, Ariz., above bridge at pump house wash; dry soil and site. Compound leaves, narrow, serrate leaflets, shining as if varnished.

303557. RIBES AUREUM Pursh Saxifragaceae. Slender golden currant.

V-63-115. Eight miles west of Fort Robinson, Neb., rocky slope, partial shade. Low-spreading shrub with rather large leaves.

303558 to 303569. RIBES CEREUM Dougl.

303558. V-62-2. Near Krumbacker Lake, 20 miles north of Omak, Wash. Rocky hillside, east slope. Low to medium height shrub, leaves reniform covered with silvery scrub, fruit red, insipid, many seeded. Multistemmed plant of possible value as ornamenta for its silvery foliage.

303559. V-63-44. Crazy Woman Canyon, southwest of Buffalo, Wyo., in hot, dry site. Low shrub with pink flowers.

303560. V-63-60. Ten miles south of Buffalo, Wyo., dry, rocky ridge. Low shrub, uniform foliage and pink flowers.

303561. V-63-76. Highway 160, north of Nederland, Colo. Elevation 9,000 feet. Dry roadside; low shrub with reniform leaves and pink flowers.

303562. V-63-80. Happy Jack Road, Medicine Bow Forest, Wyo. Elevation 7,200 feet. Dry roadside, shrub with uniform leaves and pink bloom.

303563. V-63-101. Foothills of Big Horn Mountains, 8 miles south of Buffalo, Wyo. Dry, bare slope, low shrub, uniform leaves, pink flowers.
303564. V-63-176. Three miles southwest of junction of Highways 6 and 40, near Georgetown, Colo. Rocky bank, shrub with pink flowers.
303565. V-63-205. West of the Divide along the Front Range, 6 miles north of Highway 50 on old Monarch Pass Road, central Colo. Elevation 7,500 feet. East slope. Large unarmed, round-topped shrub with small reniform leaves and small red fruit.
303566. V-63-299. Colorado 92, south of the Black Mesa, 20 miles west of Sapinero, Colo. South slope. Round-topped shrub without thorns and with small red berries.
303567. V-64-168. One and one half miles west of Boulder, Colo. Highway 119. Roadside in lower edge of mountains.
303568. V-64-267. Ten miles north of Jacob's Lake, Ariz., Route 89, rocky bank. Very large for this species with sticky, glandular foliage; bright green 10 by 10 foot plant.
303569. V-64-334. South bank 6 miles east of Nederland, Colo. Rocky soil.
303570. *RIBES INERME* Rydb.
V-64-335. South slope, Highway 119, 6 miles east of Nederland, Colo. Plant 18 inches high, 36 inches across, arching stems. Bright green foliage with stout spines and black acid fruit to 14 inches in diameter.
- 303571 to 303575. *RIBES LEPTANTHUM* A. Gray
303571. V-63-123. Crestone Canyon, Sangre de Cristo Mountains, Crestone, Colo. Dry roadside, rocky soil. Spreading form; good plant with small fruit; leaves 0.5 by 0.5 inch; deeply lobed; very spiny.
303572. V-63-127. One mile east of Crawford, Colo., rocky soil, south slope.
303573. V-63-150 Highway 92, west of Gunnison, Colo. Elevation 7,500 feet.
303574. V-63-161. Crestone Canyon, Crestone, Colo., dry rocky soil Elevation 7,800 feet. Arching branches, broad spreading plant.
303575. V-63-228. South side of Black Mesa, 20 miles west of Sapinero, Colo. Rocky road bank. Dense shrub with small foliage and small black fruit.
303576. *RIBES* sp.
V-63-163. Crestone Canyon, Crestone, Colo. Elevation 9,000 feet. In shade, low shrub, deeply lobed leaves.
303577. *ROSA* sp. Rosaceae.
V-63-65. Eight miles west of Fort Robinson, Nebr. Under open pine forest in deep dry canyon. Leaflets 7, serrate, plants to 4 inches high. Shade tolerant.
303578. *ROSA* sp.
V-63-85. Shickley Cabin, Eldora, Colo., deep shade, moist north slope. Slender stems, 7 foliate leaves, double serrate, glabrous, strongly spreading by rhizomes.
303579. *ROSA* sp.
V-63-160. Crestone Canyon, Sangre de Cristo, Crestone, Colo. Light to heavy shade in forest, rocky ground. Plant to 3 feet high; leaves glabrous, leaflets 7, doubly serrate; flowers pink.

303152 to 303625—Continued

303580. *ROSA* sp.

V-63-212. Old Black Mesa road, north approach to Mesa south of Crawford, Colo. Mountain meadow, full sun. Thicket forming, reaching a height of 50 inches, light green leaves of 7 leaflets, dense cover. Base of canes dense slender prickles; upper canes smooth except for stout, hooked, infrastipular prickles. Fruit bright scarlet, a 5 inch diameter.

303581. *ROSA* sp.

V-63-234. Near top of Black Mesa, 27 miles south of Crawford, Colo. West side on south roadbank, full sun. Brilliant, large red hips, ripen August. Foliage good, leaflets 7, stems to 4 feet high, straight slender prickles at base, upper canes hooked infrastipular prickles. Strong rhizomes.

303582. *ROSA* sp.

V-63-238. South St. Vrain River, north of Boulder, Colo. Low rhizomatous rose collected for its brilliant red fall foliage.

303583. *ROSA* sp.

V-64-92. Pagosa Springs, Colo., along road bank, dry site. Thornless rose, spreading by strong rhizomes.

303584. *SALIX* sp. Salicaceae.

V-63-1. Thomas County, Nebr., along U.S. Highway 83, 14 miles south of Thedford, Nebr. Sand dune, north slope, dry. Elevation 3,000 feet. Rhizomatous shrub-twigs to 6 feet, gray bloom, leaves pubescent, clone staminate, leaves crenate margins.

303585. *SALIX* sp.

V-63-6. Four miles above Albany, Wyo. Elevation 9,000 feet. Edge of swampy area. Shrub to 8 feet high, green barked, sex unknown.

303586. *SALIX* sp.

V-63-7. Four miles above Albany, Wyo. Elevation 9,000 feet. Swampy area. Shrub to 8 feet, dark brown bark, sex unknown.

303587. *SALIX* sp.

V-63-8. Highway 160 between Nederland and Ward, Colo. Elevation 9,000 feet. Dry bank, staminate plant; tan bark; large; catkins.

303588. *SALIX* sp.

V-63-104. Below Owyhee Reservoir, eastern Oreg. Stream, low ground. Round-topped shrub with yellow bark; 10 by 10 feet, yellow twigs.

303589. *SALIX* sp.

V-63-105. Below Owyhee Reservoir, eastern Oreg. Wet soil, round-topped shrub, 10 by 10 feet, silver foliage.

303590. *SALIX* sp.

V-63-106. Owyhee Reservoir Dam, eastern Oreg. Wet soil, round-topped shrub, 10 by 10 feet, silver foliage.

303591. *SALIX* sp.

V-63-107. Below Owyhee Reservoir Dam, eastern Oreg. Wet soil, round-topped shrub, 10 by 10 feet, foliage silver.

303592. *SALVIA* sp. Labiatae.

Sage.

V-64-292. Route 117, 12 miles northeast of Escalante, Utah. Sand and sandstone, low subshrub, gray green foliage, flowers small, lavender blue, strong sage odor.

303593. *SALVIA* sp.

Sage.

V-64-300. Sand dune 8 miles east of Hanksville, Utah, along Route 24. Shrub low, grayish foliage, flowers small, blue.

303152 to 303625—Continued**303594. SAMBUCUS sp. Caprifoliaceae.**

V-64-177. Between Nederland and Eldora, Colo. Plant to 4 feet high, panicle flower head, white.

303595. SCUTELLARIA BRITTONII Porter Labiatae.

V-64-174. Six miles east of Nederland, Colo. Rhizomes underground, plant to 4 inches high, growth upright, flowers blue.

303596. SCUTELLARIA sp.

V-63-177. Fifteen miles north of Nederland, Colo. Dry bank under open lodgepole pine forest. Herb low, lanceolate leaves, flowers purple.

303597. SEDUM STENOPETALUM Pursh Crassulaceae.

V-63-43. Crazy Woman Canyon, southwest of Buffalo, Wyo. Elevation 6,500 feet. Leaves fleshy, elongate, no bloom.

**303598 to 303601. SHEPHERDIA CANADENSIS (L.) Nutt. Eleagnaceae.
Russet buffaloberry.**

303598. V-63-54. Happy Jack Road, Medicine Bow Forest, 27 miles west of Cheyenne, Wyo. Dry site, shade of pines. Low shrub, decumbent branches rooting by touching ground; inconspicuous, flowers greenish, foliage silvery above, rusty beneath.

303599. V-63-78. Medicine Bow Mountains, Happy Jack Road, 20 miles west of Cheyenne, Wyo. Elevation 7,200 feet. Dry slope; shrub spreading habit; silver foliage.

303600. V-63-159. Crestone Canyon, Crestone, Colo. Elevation 9,500 feet. Grows in light shade. Leaves larger than pistillate plant type.

303601. V-64-188. One mile south of Nederland, Colo. Spreading growth habit to 1.5 feet high, leaves very scruffy.

303602. SORBUS SCOPULINA Greene Rosaceae. Mountain-ash.

V-63-243. Boulder Canyon, 1 mile east of Eldora, Colo. Tree low with red fruit.

303603 to 303606. SPHAERALCEA PARVIFOLIA A. Nels. Malvaceae.

303603. V-64-57. Route 666, 20 miles north of St. Johns, Ariz. Elevation 6,300 feet. Dry roadside; gray-leaved desert mallow, flowers salmon red.

303604. V-64-58. North of Cottonwood, Ariz., Route 89A. Elevation 3,550 feet. Gray foliage, stellate pubescence; to 40 inches high, hardy perennial; flowers salmon.

303605. V-64-70. Highway 89, 4 miles north of Kanab, Utah. Sandy soil, roadside. Herb, flower orange red.

303606. V-64-74. Near Ship Rock, N. Mex., sandy soil. Low, flowers orange red.

303607. SPOROBOLUS sp. Gramineae.

V-64-243. Thirty-one miles north of Flagstaff, Ariz., along Route 89, dry soil. Wiry, upright bunchgrass, culms appear bulbous at base, or at least thickened.

303608. STIPA sp. Gramineae.

V-64-224. Schnebley Hill Road, 8 miles northeast of Sedona, Ariz. Elevation 5,500 feet. Panicle closed, spikelike.

303609. STIPA sp.

V-64-240. Twenty-three miles north of Flagstaff, Ariz., volcanic soil. Seed with plumose awns.

303152 to 303625—Continued

303610. *SYMPHORICARPOS LONGIFLORUS* Gray Caprifoliaceae.

V-64-200. Route 160, 10 miles west of Durango, Colo. Branches arching 4 feet, heavy bloom.

303611. *SYMPHORICARPUS* sp.

V-63-74. Ten Sleep Canyon, Ten Sleep, Wyo.; rocky knoll. Low growing, small foliage; widespread on rocky slopes to 1 foot high or less.

303612. *SYMPHORICARPUS* sp.

V-63-87. Shickley Cabin, Eldora, Colo. Elevation 8,500 feet. Moist north slope, heavy shade. Low shrub.

303613. *SYMPHORICARPUS* sp.

V-63-95. Highway base of Sheep Mountain, south of Centennial, Wyo. Dry soil, full sun. Low shrub.

303614. *SYMPHORICARPUS* sp.

V-63-162. Crestone Canyon, Crestone, Colo. Elevation 10,000 feet. Low, small leaves.

303615. *SYMPHORICARPUS* sp.

V-63-175. Three miles south of junction of Routes 6 and 40, near Georgetown, Colo., Summit County. Rocky slope, roadside, low shrub.

303616. *TOWNSENDIA* sp. Compositae.

V-63-100. Highway west of Sheep Mountain, 60 miles south of Centennial, Wyo. Steep slope, bare soil. Acaulescent or stems subterranean; leaves silky; heads 0.5 inch long.

303617. *VERBENA* sp. Verbenaceae.

V-64-104. One mile north of Sedona, Ariz., Oak Creek Canyon, Ariz. Rocky east slope. Showy perennial, foliage pinnate, flowers lavender.

303618. *VERBENA* sp.

V-64-105. Ten miles north of Rock Springs, Ariz., Old Black Canyon Road. Elevation 3,200 feet. Pinnate foliage, flowers lavender.

303619. *VERBENA* sp.

V-64-239. Route 89, 23 miles north of Flagstaff, Ariz. Volcanic cinders, flowers bright lavender; heat and drought tolerant.

303620. *VIOLA AUREA* Kellogg Violaceae.

V-63-97. Highway base of Sheep Mountain, south of Centennial, Wyo., bare, dry hillside among *Cercocarpus*. Stem herbaceous; perennial; leaves lanceolate, glaucous; flowers glabrous, yellow marked with brown. Drought tolerant.

303621. *VIOLA* sp.

V-64-318. Twenty miles south of Teasdale, Utah. Recent south-facing road cut along Route 117. Low-growing, yellow-flowered violet.

303622. *YUCCA* sp. Liliaceae.

V-63-196. Seven miles south of Crawford, Colo., dry east slope; low-grown form of yucca, ornamental value, foliage characters indicate maybe *Y. baccata*.

303623. *YUCCA* sp.

V-63-201. Near Black Canyon, Gunnison, Colo. Dwarf plant.

303624. *YUCCA* sp.

V-64-98. Road to Red Rock, Ariz. Elevation 6,150 feet. Low yucca.

303152 to 303625—Continued

303625. (Undetermined.)

V-64-157. Old Black Canyon Road, Gunnison, Colo. Elevation 2,700 feet.

303626 and 303627. VITIS VINIFERA L. Vitaceae.

European grape.

From Bulgaria. Cuttings presented by the Institute of Plant Growing, Sofia.
Received Dec. 29, 1964.

303626. 'Bolgar'.

303627. 'Gamza'.

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