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98I **Plant Inventory No. 169**

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., July 1967



**X PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1961
(NOS. 270535 TO 277783)**

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This inventory, No. 169, lists the plant material (Nos. 270535 to 277783) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1961. 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. Questions 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.

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Botanist.

*Plant Industry Station,
Beltsville, Md.*

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CURRENT SERIAL RECORDS

I N V E N T O R Y

270535 to 270536.

From Denmark. Seeds presented by the Universitetets Botaniske Have, Copenhagen. Received Jan. 3, 1961.

270535. *PISUM JOMARDII* Schrank. Fabaceae.

270536. *PISUM SATIVUM* L.

270537 to 270540.

From the Union of South Africa. Bulbs collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received Jan. 3, 1961.

270537. *CHASMANTHE* sp. Iridaceae.

Col. No. 18791. Worcester, Capetown.

270538. *MICRANTHUS ALOPECUROIDEUS* Eckl. Iridaceae.

Col. No. 18814. Worcester, Capetown.

270539. *NERINE* sp. Amaryllidaceae.

Col. No. 18786. Worcester, Capetown.

270540. *WATSONIA COMPTONII* L. Bolus Iridaceae.

Col. No. 18812. Worcester, Capetown.

270541 and 270542. *SOLANUM* (hybrids). Solanaceae.

From Germany. Tubers presented by Borger and Behm, Pflanzkartoffel-Vertriebsgesellschaft, Hamburg. Received Jan. 4, 1961.

270541. 'Erdmanna'. ('Aquila' × 'Merkur'). Plants quick germinating, energetic; medium number of sprouts; stalk moderately strong, mostly green; leaf medium size, light to medium green; flowers sturdy, red violet, tips white, tuber maturity medium late, medium to large, round to round oval; buds flat; flesh yellowish; yield high. Good resistance to *Phytophthora*, wet rot, virus. Starch percentage medium; total starch yield good. Suitable for all soils. A medium late potato for human consumption, feeding and processing. Tuber has good cooking qualities and good taste.

270542. 'Susanna'. (*S. demissum* × 'Aquila'). Plant late maturing; sprouts many; stalk green; leaf medium size; flowers few, white, among small top leaves; tubers medium to large, oval; bud flat; flesh white; yield high. Resistant to leafroll, *Phytophthora* and *Rhizoctonia*, all viruses. Starch percentage medium to high; total starch yield very high. Requires good soils, or light soils in good condition. Good for human consumption and processing. Stores well for long periods.

270543. *PHLEUM PRATENSE* L. Poaceae.

Timothy.

From Great Britain. Seeds presented by the Edinburgh School of Agriculture, Edinburgh, Scotland. Received Jan. 4, 1961.

270544. *BIXA ORELLANA* L. Bixaceae.

Annatto-tree.

From India. Seeds presented by the Agriculture Department, Maharashtra State, Poona. Received Jan. 4, 1961.

270545. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.

Watermelon.

From the Sudan. Seeds presented by the United States Operations Mission, Khartoum. Received Jan. 4, 1961.

270546 to 270551. *CITRULLUS LANATUS* (Thunb.) Mansf.

Cucurbitaceae. **Watermelon.**

From Ghana. Seeds presented by the International Cooperation Administration, Accra. Received Jan. 4, 1961.

270546 to 270551—Continued

- 270546.** No. 1. Central market. Fruit oblong, tapered, 10 inches long, five inches in diameter, weigh to 5.5 lbs; rind medium green, mottled darker, thin, tough; flesh orange red, some fiber, no white heart; seeds numerous, medium size, black.
- 270547.** No. 2. Central market. Fruit to seven inches long, six inches in diameter, concave tip, weigh to six lbs; rind medium green with darker stripes, thin, tough; flesh orange red, no fiber but some white heart; seeds numerous, medium size, black.
- 270548.** No. 3. Central market. Fruit oblong to nine inches long, 6.5 inches in diameter, weigh to seven lbs; rind light green, mottled darker, thick, tough; flesh pink, some fiber, large white heart; seeds numerous, medium size, dark brown.
- 270549.** No. 4. Kingsway stores. Fruit to 11 inches long, five inches in diameter, tapered, compressed base, weight five lbs; rind light to medium green, mottled darker, thin, hard, tough; flesh red, some fiber, no white heart; seeds numerous, medium size, dark brown. Grown at Nsawam, Union of South Africa.
- 270550.** No. 5. Kingsway stores. Fruit to 10 inches long, five inches in diameter, tapered, compressed base; rind medium green, thin, tough; flesh orange red, some fiber, no white heart; seeds numerous, medium size, brownish black. Grown at Nsawam, Union of South Africa.
- 270551.** No. 6. Kingsway stores. Fruit round, to seven inches in diameter; weight five lbs; rind light to medium green, striped darker, thick, tough; flesh red, some fiber, some white heart; seeds numerous, medium size, black. Grown at Nsawam, Union of South Africa.

270552 to 270567.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 4, 1961.

270552. *ASPARAGUS AFRICANUS* Lam. Convallariaceae.

Col. No. 18685. Rocky slope between Clanwilliam and Citrusdal. A shrub.

270553 to 270561. *ASPARAGUS* sp.

- 270553.** Col. No. 18631. Picketburg Mountain. Perennial with fern-like branches.
- 270554.** Col. No. 18673. Sandy coastal plain, about 25 miles south of Vredendal.
- 270555.** Col. No. 18674. Sandy coastal plain, about 25 miles south of Vredendal. Plant small, fine leaved, viny, in bushes.
- 270556.** Col. No. 18675. Sandy coastal plain, about 25 miles south of Vredendal. Viny perennial; fruits numerous.
- 270557.** Col. No. 18678. Behind dunes, Lambert's Bay. Scandent shrub growing up through shrubbery.
- 270558.** Col. No. 18694. Two miles east of Darling. Shrub; leaves short, fine.
- 270559.** Col. No. 18695. About two miles northeast of Darling. Perennial; leaves broad.
- 270560.** Col. No. 18701. Sandy soil near sea, seven miles west of Darling. Climbing vine; leaves fine, soft.
- 270561.** Col. No. 18711. Western Cape Province.

270562 to 270565. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.
Watermelon.

- 270562.** Col. No. 18633. Picketsburg.

270552 to 270567—Continued**270562 to 270565—Continued**

270563. Col. No. 18655. Nieuwoudtville. 'Tsamma'. Bushman melon, fruit sweet.

270564. Col. No. 18656. Nieuwoudtville. Kafir melon, for human consumption and livestock feed.

270565. Col. No. 18731. Near Nieuwoudtville, Calvinia District. Annual on sandy soil.

270566. CUCUMIS sp. Cucurbitaceae.

Col. No. 18648. Lokenburg. Annual ground vine.

270567. DIOSCOREA ELEPHANTIPES (L'Herit.) Engl. Dioscoraceae.

Col. No. 18646. Rocky, sandy, lower slope, Pakhuis, Clanwilliam District, Cape Province. Maqui type vegetation. Perennial from epigeous root, reportedly containing up to eight percent sapogenin.

270568 to 270573. MENTHA PIPERATA f. RUBESCENS Canas.
Menthaceae. **Peppermint.**

From Bulgaria. Plants presented by the Institut de Culture des Plantes, Sofia. Numbered Jan. 4, 1961.

Cold resistant.

270568. No. 1. Originally from England. Plants susceptible to *Puccinia menthae*. Cultivated for high quality oil.

Originally from the Soviet Union.

270569. No. 2. No. 541. Plants rust resistant; oil content high.

270570. No. 3. No. 6-29. Plants rust resistant; oil yielding.

270571. No. 4. 'Prilikska 324'. Plants rust resistant; oil yielding.

270572. No. 5. No. 6. Plants rust resistant; oil yielding.

270573. No. 6. No. 06. Plants triploid, rust resistant; oil yielding.

270574 to 270596. ORYZA SATIVA L. Poaceae. Rice.

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received Jan. 4, 1961.

270574. 'Dima.'	270586. 128/1/1/1.
270575. 'Holland 5023/10.'	270587. 128/1/1/2.
270576. 'Nickerie 19'.	270588. K8C/140/29.
270577. 'Paquita.'	270589. K8C/140/46.
270578. 'Skrivimankobi.'	270590. K8C/263/1.
270579. 'Blb.'	270591. K8C/384/2.
270580. 77a.	270592. K12C/83.
270581. 242.	270593. VD5096/25/15.
270582. 77/4/4/5/4.	270594. VD5096/73/6.
270583. 80/3/1/5/5.	270595. VD5096/73/26.
270584. 140/4/1/2/5.	270596. VD5096/88.
270585. 140/4/1/2/10.	

270597. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.

From France. Seeds presented by Gilbert Herman, Domaine de Castang, Bergerac. Received Jan. 3, 1961.

'Missour'.

270598. BIXA ORELLANA L. Bixaceae. Annatto-tree.

From Argentina. Seeds presented by the Division of Plant Exploration and Introduction, Buenos Aires. Received Jan. 5, 1961.

270599 to 270759. HORDEUM VULGARE L. Poaceae.

From Peru. Seeds presented by the International Cooperation Administration, Lima. Numbered Jan. 5, 1961.

270599 to 270602. From Arequipa.

270599. No. 1. **270601.** No. 3.

270600. No. 2. **270602.** No. 4.

270603. No. 5. From Nohuintuquio.**270604 to 270618. From Taraco.**

270604. No. 6. **270612.** No. 14.

270605. No. 7. **270613.** No. 15.

270606. No. 8. **270614.** No. 16.

270607. No. 9. **270615.** No. 17.

270608. No. 10. **270616.** No. 18.

270609. No. 11. **270617.** No. 19.

270610. No. 12. **270618.** No. 20.

270611. No. 13.

270619 to 270632. From Puno.

270619. No. 21. **270626.** No. 28.

270620. No. 22. **270627.** No. 29.

270621. No. 23. **270628.** No. 30.

270622. No. 24. **270629.** No. 31.

270623. No. 25. **270630.** No. 32.

270624. No. 26. **270631.** No. 33.

270625. No. 27. **270632.** No. 34.

270633 to 270653. From Potojani.

270633. No. 35. **270644.** No. 46.

270634. No. 36. **270645.** No. 47.

270635. No. 37. **270646.** No. 48.

270636. No. 38. **270647.** No. 49.

270637. No. 39. **270648.** No. 50.

270638. No. 40. **270649.** No. 51.

270639. No. 41. **270650.** No. 52.

270640. No. 42. **270651.** No. 53.

270641. No. 43. **270652.** No. 54.

270642. No. 44. **270653.** No. 55.

270643. No. 45.

270654 to 270679. From Plateria.

270654. No. 56. **270657.** No. 59.

270655. No. 57. **270658.** No. 60.

270656. No. 58. **270659.** No. 61.

270599 to 270759—Continued

270654 to 270679—Continued

270660. No. 62.	270670. No. 72.
270661. No. 63.	270671. No. 73.
270662. No. 64.	270672. No. 74.
270663. No. 65.	270673. No. 75.
270664. No. 66.	270674. No. 76.
270665. No. 67.	270675. No. 77.
270666. No. 68.	270676. No. 78.
270667. No. 69.	270677. No. 79.
270668. No. 70.	270678. No. 80.
270669. No. 71.	270679. No. 81.

270680 to 270717. From Chucuito.

270680. No. 82.	270699. No. 101.
270681. No. 83.	270700. No. 102.
270682. No. 84.	270701. No. 103.
270683. No. 85.	270702. No. 104.
270684. No. 86.	270703. No. 105.
270685. No. 87.	270704. No. 106.
270686. No. 88.	270705. No. 107.
270687. No. 89.	270706. No. 108.
270688. No. 90.	270707. No. 109.
270689. No. 91.	270708. No. 110.
270690. No. 92.	270709. No. 111.
270691. No. 93.	270710. No. 112.
270692. No. 94.	270711. No. 113.
270693. No. 95.	270712. No. 114.
270694. No. 96.	270713. No. 115.
270695. No. 97.	270714. No. 116.
270696. No. 98.	270715. No. 117.
270697. No. 99.	270716. No. 118.
270698. No. 100.	270717. No. 119.

270718 to 270757. From Plateria.

270718. No. 120.	270728. No. 130.
270719. No. 121.	270729. No. 131.
270720. No. 122.	270730. No. 132.
270721. No. 123.	270731. No. 133.
270722. No. 124.	270732. No. 134.
270723. No. 125.	270733. No. 135.
270724. No. 126.	270734. No. 136.
270725. No. 127.	270735. No. 137.
270726. No. 128.	270736. No. 138.
270727. No. 129.	270737. No. 139.

270599 to 270759—Continued**270718 to 270757—Continued**

270738. No. 140.	270748. No. 150.
270739. No. 141.	270749. No. 151.
270740. No. 142.	270750. No. 152.
270741. No. 143.	270751. No. 153.
270742. No. 144.	270752. No. 154.
270743. No. 145.	270753. No. 155.
270744. No. 146.	270754. No. 156.
270745. No. 147.	270755. No. 157.
270746. No. 148.	270756. No. 158.
270747. No. 149.	270757. No. 159.

270758 and 270759. From Nahuintuguio.

270758. No. 160.

270759. No. 161.

270760. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.

From France. Seeds presented by the Station de Recherches d'Arboriculture Fruitiere, Pont de la Maye, Gironde. Received Jan. 5, 1961.

S. 763.

270761 to 271023. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Rhodesia. Seeds presented by the Mount Makulu Research Station, Chilanga. Received Jan. 5, 1961.

The word "ex" refers to selections made from mixed strains and to source by catalogue number; e.g., Bunch ex BC 249R refers to a bunch type selected from BC 249R.

270761. MS. 1.	Bunch ex BC 249R.
270762. MS. 2.	Runner ex BC 249R.
270763. MS. 3.	Purple Valencia rogue.
270764. MS. 4.	Short Valencia ex EC. 1.
270765. MS. 5.	Large Valencia ex EC. 2.
270766. MS. 6.	Rough Valencia ex EC. 10.
270767. MS. 7.	Red Spanish EC. 44.
270768. MS. 8.	Red Manyema ex EC. 44.
270769. MS. 9.	Large Red Manyema ex SB. 31.
270770. MS. 10.	Brown Valencia ex BC. 242.
270771. MS. 11.	Red ex BC. 242.
270772. Ms. 12.	Ex BC. 68.
270773. MS. 13.	White Manyema ex BC. 79.
270774. MS. 15.	Brown Spanish ex BC. 92.
270775. MS. 16.	Long Spanish ex BC. 92.
270776. MS. 17.	Speckled ex BC. 153.
270777. MS. 18.	Brown Manyema ex BC. 202.
270778. MS. 19.	Red Manyema ex MC. 240.
270779. MS. 20.	Large, long, Red Manyema ex BC. 240.

270761 to 271023—Continued

270780. MS. 21. Red Manyema ex BC. 243.
270781. MS. 23. Brown Valencia ex BC. 249.
270782. MS. 24. Large purple Spanish ex BC. 249.
270783. MS. 25. Purple large Natal.
270784. MS. 26. Red Spanish ex BC. 252.
270785. MS. 27. Red ex BC. 252.
270786. MS. 28. Purple ex BC. 252.
270787. MS. 29. Purple brown ex BC. 252.
270788. MS. 30. Red Manyema ex BC. 252.
270789. MS. 31. Purple Manyema ex BC. 252.
270790. MS. 32. Brownish Purple Valencia ex BC. 252.
270791. MS. 33. Purple Valencia ex BC. 252.
270792. MS. 34. Brown ex BC. 253.
270793. MS. 35. Red Spanish ex BC. 254.
270794. MS. 36. Red Natal ex BC. 252.
270795. MS. 37. Large Red Natal ex BC. 254.
270796. MS. 38. Purplish brown ex BC. 256.
270797. MS. 39. Red Spanish ex BC. 257.
270798. MS. 40. Valencia ex BC. 257.
270799. MS. 41. Long Red Manyema ex BC. 257.
270800. MS. 42. Large Red Natal ex BC. 257.
270801. MS. 43. Large Red Spanish ex BC. 257.
270802. MS. 44. Manyema-Valencia ex BC. 257.
270803. MS. 45. Pink ex BC. 259.
270804. MS. 46. Natal ex NC. 46.
270805. MS. 47. Flat Jumbo ex Congo Red.
270806. MS. 48. Large two-kernel (unconstricted) ex Congo Red.
270807. MS. 49. Large two-kernel (constricted) ex Congo Red.
270808. MS. 50. Long thin three-kernel Manyema ex Congo Red.
270809. MS. 51. Chimbuwila ex Congo Red.
270810. MS. 52. Kongwa X Congo Red.
270811. MS. 53. Indian Runner ex Congo Red, unconstricted.
270812. MS. 54. Indian Runner ex Congo Red, constricted.
270813. MS. 55. Natal Runner ex Congo Red.
270814. MS. 56. Long Red Manyema ex Kidang Batavia 40.
270815. MS. 57. Manyema ex B.728 (77).
270816. MS. 58. Natal ex Masambika 101.
270817. MS. 59. Three-kernel selection 58-10 ex I/58/39/5.
270818. MS. 60. 58-18 Flat Jumbo.
270819. MS. 61. 58-37 Purple ex I/58/15.
270820. MS. 62. 58-40 White Kongwa I/58/81/2.
270821. MS. 63. 58-40 White Kongwa I/58/81/1.

270761 to 271023—Continued

- 270822. MS. 65. Red Manyema ex SB. 31.
- 270823. MS. 66. Ex SB. 31.
- 270824. MS. 67. P. 4691.
- 270825. BC. 235. Selection 21.
- 270826. BC. 236. Ndala 4.
- 270827. BC. 237. Mk. 383.
- 270828. BC. 238. Mk. 383-1.
- 270829. BC. 239. MJ 371.
- 270830. BC. 240. ex 29-56-2.
- 270831. BC. 241. ex 29-56-1.
- 270832. BC. 242. MH. 372-1.
- 270833. BC. 244. Mani Blanca 2.
- 270834. BC. 245. Mani Blanca 3.
- 270835. BC. 247. HG. 3-1 Bangalore.
- 270836. BC. 248. Swaziland Spanish.
- 270837. BC. 249. Mputa B. 146-1.
- 270838. BC. 250. Mani Indio.
- 270839. BC. 251. Mani Indio A.
- 270840. BC. 252. SA. 47-G-114-1.
- 270841. BC. 253. SA. 47-G-114-2.
- 270842. BC. 254. SA. 47-G-114-3.
- 270843. BC. 255. SA. 47-G-114-4.
- 270844. BC. 256. SA. 47-G-114-5.
- 270845. BC. 257. SA. 47-G-114-4-1.
- 270846. BC. 258. Natal 257-9.
- 270847. BC. 259. Argentine No. 8-1.
- 270848. BC. 260. Argentine No. 8-2.
- 270849. BC. 261. Argentine No. 8-3.
- 270850. BC. 262. Abu Hashim 1.
- 270851. BC. 263. Barberton Blue.
- 270852. BC. 264. Ndala 2.
- 270853. BC. 265. Ndala Bunch.
- 270854. BC. 266. Ndala 5.
- 270855. BC. 267. SA. 43-G-44.
- 270856. BC. 268. Bambey 28-206-1.
- 270857. BC. 269. Bambey 28-206-2.
- 270858. BC. 270. Ahmer Mogy A-1.
- 270859. BC. 271. Georgia Bunch 207-3-2-1.
- 270860. AB 68. Mambunda 1.
- 270861. AB 69. Early Runner.
- 270862. F1-19. Large Natal, brown, alternate.
- 270863. F1-18. Medium Large Natal, brown, alternate.

270761 to 271023—Continued

- 270864. BMP11. Large Natal-Manyema, brown, alternate.
- 270865. F1-14. Natal, brown-speckled, alternate.
- 270866. F1-15. Natal, brown, alternate.
- 270867. F1-16. Natal, brown, alternate.
- 270868. ex F1-20. Natal, brown, alternate, branching.
- 270869. F1-34. Natal, brown, alternate.
- 270870. F1-35. Natal, brown alternate.
- 270871. F1-37. Natal, brown, alternate.
- 270872. F1-38. Natal, brown, alternate, branching.
- 270873. F1-38. Natal, brown, alternate.
- 270874. F1-39. Natal, brown, alternate.
- 270875. F1-44. Natal, brown, alternate.
- 270876. F1-47. Natal, brown, alternate.
- 270877. ex F1-47. Natal, brown, alternate.
- 270878. F1-48. Natal, brown, alternate.
- 270879. F1-53. Natal, brown, alternate.
- 270880. F1-57. Natal, brown, alternate.
- 270881. F1-83. Natal, brown, alternate.
- 270882. BMP2. Natal-Manyema, brown, alternate.
- 270883. BMP11. Small Natal-Manyema, brown, alternate.
- 270884. BMP12. Natal-Manyema, brown, alternate.
- 270885. F1-17. Natal-Manyema, brown, alternate.
- 270886. F1-40. Natal-Manyema, brown, alternate.
- 270887. F1-59. Natal-Manyema, brown, alternate.
- 270888. F1-69. Natal-Manyema, brown, alternate, variegated.
- 270889. F1-79. Natal-Manyema, brown, variegated.
- 270890. BMP9. Natal Spanish-Manyema, brown, alternate.
- 270891. F1-43. Manyema-Natal, brown, alternate.
- 270892. F1-48. Natal-Manyema, brown, alternate.
- 270893. BMP6. Manyema, brown, alternate.
- 270894. BMP32. Manyema, brown, alternate.
- 270895. BMP36. Manyema, brown, alternate.
- 270896. BMP37. Manyema, red, mixed branching.
- 270897. BMP40. Manyema, brown, alternate.
- 270898. F1-24. Manyema, brown, alternate.
- 270899. F1-28. Manyema, brown, alternate.
- 270900. F1-33. Manyema, brown, alternate.
- 270901. F1-45. Manyema, brown, alternate.
- 270902. F1-51. Manyema, brown, alternate.
- 270903. F1-58. Manyema, brown, alternate.
- 270904. F1-80. Small Manyema, brown, alternate.
- 270905. F1-23. Large Manyema, brown, alternate.

270761 to 271023—Continued

- 270906. F1-27. Large Manyema, brown, alternate.
- 270907. F1-30. Large near Mani Pintar pod, brown, alternate.
- 270908. F1-7. Spanish, brown, alternate.
- 270909. F1-18. Spanish, brown, alternate.
- 270910. F1-52. Spanish, brown, alternate.
- 270911. F1-54. Spanish, brown, alternate.
- 270912. F1-60. Spanish, brown, alternate.
- 270913. F1-64. Spanish, brown, alternate.
- 270914. F1-85. Spanish, brown, alternate.
- 270915. BMP-4. Large Spanish, brown, alternate.
- 270916. F1-55. Spanish Natal, brown, alternate.
- 270917. F1-82. Natal Spanish Manyema, brown, alternate.
- 270918. BMP43. Spanish Manyema, brown, alternate.
- 270919. BMP27. Small Spanish Manyema, brown, alternate.
- 270920. BMP16/S2. Large Manyema, brown variegated, sequential.
- 270921. BMP16/S3. Large Manyema, brown variegated, sequential.
- 270922. BMP/31. Manyema, brown speckled, sequential.
- 270923. BMP/41. Manyema, brown speckled, sequential.
- 270924. F1-37. Natal, brown speckled, alternate.
- 270925. F1-44. Natal, brown speckled, alternate.
- 270926. F1-47. Natal, brown speckled, alternate.
- 270927. F1-53. Natal, brown speckled, alternate.
- 270928. F1-73. Natal, brown speckled, alternate.
- 270929. F1-81. Natal, brown speckled, alternate.
- 270930. F1-84. Natal and Fung brown speckled, alternate.
- 270931. F1-69. Natal-Manyema, brown, alternate.
- 270932. F1-75. Natal-Manyema, brown variegated, alternate.
- 270933. F1-82. Natal Spanish Manyema, brown variegated.
- 270934. BMP25/1. Large Natal-Manyema, brown speckled, alternate.
- 270935. BMP26/1. Large Natal-Manyema, brown variegated, alternate.
- 270936. BMP28. Large Natal-Manyema, brown speckled, alternate.
- 270937. BMP/34. Large Natal-Manyema, brown variegated, alternate
- 270938. F1-43. Manyema-Natal, brown speckled, alternate.
- 270939. F1-61. Small Spanish Natal, brown speckled, alternate.
- 270940. BMP3. Spanish Manyema, brown speckled, alternate.
- 270941. F1-77. Spanish Manyema, brown speckled, alternate.
- 270942. F1-56. Spanish, brown speckled, alternate.
- 270943. F1-60. Spanish, brown speckled, alternate.
- 270944. F1-85. Spanish, brown speckled, alternate.
- 270945. BMP6. Manyema, brown speckled, alternate.
- 270946. BMP28. Manyema, red speckled, alternate.
- 270947. BMP37. Manyema, brown variegated, alternate, mixed.

270761 to 271023—Continued

270948. F1-67. Manyema, brown variegated, alternate.
270949. F1-71. Manyema, brown speckled, alternate.
270950. F1-76. Manyema, brown speckled, alternate.
270951. F1-78. Manyema, brown-speckled, alternate.
270952. BMP16/A1. Large Manyema, brown-speckled, alternate.
270953. BMP16/A2. Large Manyema, brown-speckled, alternate.
270954. BPM17/A1. Large Manyema, brown-speckled, alternate.
270955. F-180. Small Manyema, brown speckled, alternate.
270956. F1-72. Manyema-Valencia, brown-speckled, alternate.
270957. BMP30. Natal, red, alternate.
270958. F1-6. Natal, red, alternate.
270959. F1-14. Natal, red variegated, alternate.
270960. F1-20. Natal, red, alternate.
270961. F1-34. Natal, red, alternate.
270962. F1-37. Natal, red, alternate.
270963. F1-38. Natal, red, alternate, branching.
270964. F1-41. Natal, red, alternate.
270965. BMP10. Small Natal-Manyema, red, alternate.
270966. F1-18. Medium-large Natal, red, alternate.
270967. BMP5. Large Natal, red, alternate.
270968. BMP29. Natal-Spanish Manyema, red-speckled, alternate.
270969. BMP9. Natal-Spanish Manyema, red, alternate.
270970. F1-3. Spanish, red, alternate, branching.
270971. F1-6. Spanish, red, alternate, branching.
270972. F1-7. Spanish, red, alternate.
270973. F1-8. Spanish, red, alternate, branching.
270974. F1-9. Spanish, red, alternate.
270975. F1-49. Spanish, red, alternate.
270976. F1-55. Spanish, red, alternate.
270977. BMP5. Spanish Manyema, red, alternate.
270978. BMP43. Spanish Manyema, red, alternate.
270979. BMP37. Manyema, red variegated, mixed.
270980. F1-2. Manyema, red, alternate.
270981. F1-5. Manyema, red, alternate, branching.
270982. F1-29. Near Mani Pintar; pod red, alternate.
270983. F1-45. Manyema, red, alternate.
270984. F1-3. Medium Manyema Spanish, red, alternate.
270985. BMP7. Natal, red speckled, alternate.
270986. BMP15. Natal, red speckled, alternate.
270987. BMP30. Natal, strongly red speckled, alternate.
270988. BMP30. Natal, slightly red variegated, alternate.
270989. F1-10. Natal, red speckled, alternate, branching.

270761 to 271023—Continued

270990. F1-11. Spanish Natal, red speckled, alternate.
 270991. F1-11. Natal, red speckled, alternate, branching.
 270992. F1-8. Spanish, red speckled, alternate.
 270993. F1-9. Spanish, red speckled, alternate.
 270994. BMP6. Manyema, red speckled, alternate.
 270995. BMP28. Manyema, brown speckled, alternate.
 270996. BMP33. Manyema, red speckled, alternate.
 270997. BMP37. Manyema, red speckled, alternate.
 270998. BMP42. Manyema, red speckled, alternate.
 270999. F1-12. Manyema, red speckled, alternate, branching.
 271000. F1-45. Manyema, red speckled, alternate.
 271001. BMP36. Chimbuwila, brown, alternate.
 271002. BMP2. Chimbuwila, brown, alternate.
 271003. BMP1. Chimbuwila, brown, alternate.
 271004. BMP39. Spanish White, mixed, probably sequential.
 271005. 1. Valencia Colorado Manfredi.
 271006. 2. Valencia 47-13.
 271007. 3. Valencia ML. 375.
 271008. 4. Valencia Taskentszkij 112.
 271009. 5. Arachis rasteiro PI 806 from Bambey Senegal.
 271010. 6. Mani Pintar rogue 1, off type pod, from Misamfu.
 271011. 7. Mani Pintar rogue 2, small Manyema pod, from Misamfu.
 271012. 8. Valencia 47-68.
 271013. 9. Valencia Cserveni Szvilerigrad.
 271014. 10. Valencia Rouge de Cordoba 47-56.
 271015. 11. Brown Valencia, Madagaskara 47-26.
 271016. 12. Purple Manyema, Negro chico.
 271017. 13. Spanish 1657 VNIIMK.
 271018. 14. Spanish Taskentszkij 32-76.
 271019. 15. Spanish 44D 1302.
 271020. 16. Spanish Volete de gandiolais.
 271021. 17. Spanish Bambey PI 42.
 271022. 18. Spanish Palermo.
 271023. BMP20. Large Spanish Manyema, brown variegated, alternate.
271024. PANICUM AMBIGUUM Trin. Poaceae.
 From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 9, 1961.
271025. CYAMOPSIS SENEGALENSIS Guill. & Perr. Fabaceae.
 From Senegal. Seeds presented by Centre de Recherches Agronomiques de Bambey, Dakar. Received Jan. 9, 1961.
271026. HORDEUM ANDICOLA Griseb. Poaceae.
 From Peru. Seeds presented by the United States Embassy, Lima. Received Jan. 9, 1961.
 From the Bolivian altiplano.

271027 to 271029.

From Senegal. Seeds presented by Centre de Recherches Agronomiques de Bambe, Dakar. Received Jan. 11, 1961.

271027. *CERATOTHECA SESAMOIDES* Endl. Pedaliaceae.

271028. *ROGERIA ADENOPHYLLA* J. Gay. Pedaliaceae.

271029. *SESAMUM ALATUM* Thonn. Pedaliaceae.

271030 to 271032.

From the Netherlands. Seeds presented by the Hortus Botanicus, Leiden. Received Jan. 11, 1961.

271030. *CARLUDOVICA SARTONII* Teijsm. & Binn. Cyclanthaceae.

271031. *PYRUS NIVALIS* Jacq. Malaceae.

271032. *ZELKOVA VERSCHAFFELTII* (Dippel) Nicholson Urticaceae.

271033 to 271038. PISUM SATIVUM L. Fabaceae.

From Sweden. Seeds presented by the Plant Breeding Institute Weibullsholm, Landskrona. Received Jan. 11, 1961.

271033. L808/59. 'Abyssinicum'. Seeds black.

271034. L809/58. 'Asiaticum'. Seeds small, mottled brown.

271035. L1059/59. 'Hindukusch'. Seeds large, round, light yellowish.

271036. L1060/58. 'Transcaucasicum'. Seeds small, mottled brown.

271037. L1181/58. 'Peluschke'. Seeds small, dark, mottled.

271038. L1199/58. 'Granart'. Originally from Nepal. Seeds large, wrinkled, pale green.

271039 to 271049.

From India. Bulbs and seeds presented by the United States Consulate, Bombay. Seeds unless otherwise noted. Received Jan. 11, 1961.

271039. *ALLIUM CEPA* L. Liliaceae. **Onion.**

271040. *ALLIUM SATIVUM* L. **Garlic.**

Bulbs.

271041. *BRASSICA CAMPESTRIS* L. Brassicaceae. **Birdrape.**

271042. *DOLICHOS BIFLORUS* L. Fabaceae. **Twinflower dolichos.**

271043. *CAPSICUM ANNUUM* L. Solanaceae.

271044. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

271045. *CAJANUS CAJAN* (L.) Druce. Fabaceae. **Pigeonpea.**

271046. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**

271047. *ISCHAEMUM ARISTATUM* L. Poaceae.

271048. *ISCHAEMUM RUGOSUM* Salisb.

271049. *ISELEMA WIGHTII* (Nees) Anderss. Poaceae.

271050. SACCHARUM (hybrid) Poaceae. Sugarcane.

From the British West Indies. Cuttings presented by the Director of Agriculture, Bridgetown, Barbados. Received Jan. 11, 1961.

B51514.

271051 to 271068.

From Great Britain. Plants purchased from Fisk's Clematis Nursery, Westleton, Suffolk, England. Received Jan. 12, 1961.

271051 to 271068—Continued

271051 to 271061. CLEMATIS (hybrids). Ranunculaceae.

- | | |
|-----------------------------------|--------------------------|
| 271051. 'Bees Jubilee'. | 271057. 'Lincoln Star'. |
| 271052. 'Bracebridge Star'. | 271058. 'Mrs. Hope'. |
| 271053. 'Dutchess of Sutherland'. | 271059. 'Mrs. Cud'. |
| 271054. 'Fair Rosamund'. | 271060. 'Percy Picton'. |
| 271055. 'Lady Caroline Nevill'. | 271061. 'Vwyan Pennell'. |
| 271056. 'Lady Northcliffe'. | |

271062. CLEMATIS ERIOSTEMON Dcne.

271063. CLEMATIS INTEGRIFOLIA L.
'Durandii'.

271064. CLEMATIS SERRATIFOLIA Rehder **Korean clematis.**

271065. CLEMATIS TANGUTICA (Maxim.) Korsh. **Golden clematis.**
'Gravetye'.

271066. CLEMATIS TRITERNATA f. RUBRO-MARGINATA (Jouin) Rehder

271067. CLEMATIS VEDRARIENSIS var. ROSEA (Mottet) Rehder

271068. CLEMATIS sp.

271069 to 271073. CARTHAMUS TINCTORIUS L. Asteraceae.
Safflower.

From the Sudan. Seeds presented by the Ministry of Agriculture. Khar-toum. Received Jan. 13, 1961.

271069. No. 1. P 52. Plants spiny, flower in 60 days, mature in 111 days.

271070. No. 2. 'Tozi Spiny'. From Deveira, Northern Province. Flower in 60 days, mature in 110 days.

271071. No. 3. CT 60. Originally from India. Plant spiny, flower in 76 days, mature in 132 days.

271072. No. 4. CT 63. Originally from India. Plant spiny, flower in 76 days, mature in 132 days.

271073. No. 5. B 1/1. Plant spineless. Originally from Australia.

271074 to 271083. TRITICUM AESTIVUM L. Poaceae.
Common wheat.

From the Union of Soviet Socialist Republics. Seeds presented by Dr. Basil M. Bensin, Washington, D. C. Received Jan. 13, 1961.

271074. No. 1. 'Pisarev's'. Spring amphidiploid. 25 AD-20/1/60 1959.

271075. No. 2. 'Pisarev's'. Spring amphidiploid. 25 AD-20/1/60 1959.

271076. No. 3. 'Pisarev's'. Winter amphidiploid. H 34-AD-1959 B.

271077. No. 4. Chy X Chn. 422121.

271078. No. 5. Chn. X Chiefk. 451169.

271079. No. 6. Mgo. Oro-Pn. X Rch. 524050.

271080. No. 7. Rch. X M-O 517259.

271081. No. 8. Rch. X M-O 514281.

271082. No. 9. Rch. X N60-Mi-Ho 513585.

271083. No. 10. Rch. X Pn 524878.

271084. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agrícolas, Turrialba. Received Jan. 13, 1961.

'Hibrido de Timor'. Cof. 1343.

271085. CYDONIA OBLONGA Mill. Malaceae. Quince.

From Great Britain. Rootstocks presented by the East Malling Research Station, Kent, England. Received Jan. 16, 1961.

Quince A (layers).

271086 to 271091.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Jan. 17, 1961.

271086. ACTINIDIA ARGUTA (Sieb. & Zucc.) Miq. Dilleniaceae.

From the Far East Experiment Station, East Siberia.

271087 to 271091. ACTINIDIA KOLOMIKTA (Maxim.) Rupr. ex Maxim.

Kolomikta.

From the Pavlovsk Experiment Station near Leningrad.

271087. BUP-1.

271090. 'Trevoskodnaya'.

271088. 'Dashakya'. Ex Taiwan.

271091. 'Trozrachnaya'.

271089. 'Eurojainaya'.

271092. PRUNUS AVIUM L. Amygdalaceae. Sweet cherry.

From the Netherlands. Budsticks presented by the Institute of Horticultural Plant Breeding, Wageningen. Received Jan. 17, 1961.

'Steyler'.

271093. ORYZA SATIVA L. Poaceae.

Rice.

From Panama. Seeds presented by Rafael Rioboo, San Juan. Received Jan. 17, 1961.

271094 to 271113. CORYLUS AVELLANA L. Betulaceae. Filbert.

From France. Budsticks presented by Charles Detriche, Pepinieres, Angers. Received Jan. 19, 1961.

271094. 'A Grappes'.

271104. 'Foleis Aureis'.

271095. 'Aveline Blanche Ronde'.

271105. 'Imperiale de Trebizonde'.

271096. 'Aveline de Barcelone'.

271106. 'Longue d'Espagne'.

271097. 'Aveline de Piemont'.

271107. 'Macrocarpa'.

271098. 'Aveline de Provence'.

271108. 'Merveille de Bolwiller'.

271099. 'Aveline Rouge Ronde'.

271109. 'Pellicule Blanche'.

271100. 'Aveline des Anglais'.

271110. 'Pellicule Rouge'.

271101. 'Bergeri'.

271111. 'Pourpre'.

271102. 'Coxford'.

271112. 'Precoce Grugliasco'.

271103. 'Dowton'.

271113. 'Prolifique Coque Serree'.

271114 to 271120. PISUM SATIVUM L. Fabaceae.

From the Federation of Mali. Seeds presented by the Centre de Recherches Agronomiques de Bambey, Dakar. Received Jan. 19, 1961.

271114. L 21/59. Seeds light purple.

271115. L 180/58. 'Ungar'. Wild form.

271116. L 378/58. 'Granerbse'. Seeds gray.

271114 to 271120—Continued

271117. L 422/59. 'Ryska'. Russian.

271118. L 611/59. 'Tibeticum'.

271119. L 807/58. 'Puschki'.

271120. L 805/59. 'Elatius'.

271121. PISUM SATIVUM L. Fabaceae.

From Germany. Seeds presented by the Botanischer Garten der Universitat, Tubingen. Received Jan. 19, 1961.

271122 to 271124. LYCOPERSICON ESCULENTUM Mill.**Solanaceae. Tomato.**

From Canada. Seeds presented by the Genetics and Plant Breeding Research Institute, Ottawa. Received Jan. 19, 1961.

271122. 'Ottawa 57B1C4'.

271123. 'Ottawa 57K1A1'.

271124. 'Ottawa 57T1A'.

271125 to 271131. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Peru. Seeds collected by W. Q. Loegering, Plant Industry Station, Beltsville, Md. Received Jan. 19, 1961.

Germplasm with resistance to *Septoria*.

271125. No. 1. Mult 753.

271129. No. 5. Mult 760.

271126. No. 2. Mult 755.

271130. No. 6. Mult 764.

271127. No. 3. Mult 757.

271131. No. 7. Mult 7.

271128. No. 4. Mult 758.

271132 and 271133. CITRULLUS LANATUS (Thunb.) Mansf.**Cucurbitaceae. Watermelon.**

From Tunisia. Seeds presented by International Cooperation Administration, Tunis. Received Jan. 24, 1961.

Dry farming varieties.

271132. No. 1. 'Zanzouri'. Reportedly from Libya, but grown in south-east Tunisia for years. Fruit round, 20 to 65 pounds, average 30 pounds each; rind deep green; flesh red; seeds black; 90 to 100 days to maturity; resistant to downy mildew; susceptible to insects.

271133. No. 2. 'Marethi' or 'Istanbuli'. Origin unknown. Fruits round, size 18 to 40 pounds, average 25 pounds each; rind light yellow to deep green; flesh red; seeds black; 90 to 100 days to maturity.

271134 to 271265.

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 19, 1961.

271134 to 271137. AVENA SATIVA L. Poaceae.**Common oats.**

Indian Agricultural Research Institute, New Delhi.

271134. Col. No. 1485. I.C. 820 Weston II.

271135. Col. No. 1486. I.C. 1819 Bumber-10.

271136. Col. No. 1887. X-27.

271137. Col. No. 1488. N.P.2.

271134 to 271265—Continued

271138. *BOTHRIOCHLOA INTERMEDIA* (R. Br.) A. Camus Poaceae.
Col. No. 1816. On dykes between paddies five km. northeast of Igatpuri.
271139. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.
Col. No. 1797. Nasik bazaar.
271140. *CASSIA OCCIDENTALIS* L. Caesalpiniaceae.
Col. No. 1417. A-2625. Bhavali.
- 271141 to 271145. *CENCHRUS SETIGERUS* Vahl Poaceae.
Indian Agricultural Research Institute, New Delhi.
271141. Col. No. 1443.
271142. Col. No. 1444.
271143. Col. No. 1445.
271144. Col. No. 1446.
271145. Col. No. 1447.
271146. *CENCHRUS CILIARIS* L.
Col. No. 1758. Field near Palghar.
- 271147 to 271150. *CHRYSOPOGON MONTANUS* Trin. ex Sprengel Poaceae.
Indian Agricultural Research Institute, New Delhi.
271147. Col. No. 1439. Riogs 46.
271148. Col. No. 1440. E.C. 5585.
271149. Col. No. 1441. E.C. 5586.
271150. Col. No. 1442. Nagpur.
- 271151 to 271153. *COIX LACRYMA-JOBI* L. Poaceae. Jobs-tears.
271151. Col. No. 1601. Paddy northwest of Lonauli.
271152. Col. No. 1628. Paud. Plant to 2.5 meters high.
271153. Col. No. 1757. Field near Palghar.
271154. *CROTALARIA* sp. Fabaceae.
Col. No. 1421. A-No. 1910. Indian Agricultural Research Institute, Bangalore.
271155. *CROTALARIA* sp.
Col. No. 1742. Four km. east of Mount Abu. Plant large; flowers yellow.
- 271156 and 271157. *CYMOPOGON MARTINII* (Roxb.) W. Wats. Poaceae. Geranium grass.
271156. Col. No. 1715. Sunset Point, Mount Abu. Elevation 1,200 meters. Annual rainfall 20 dm. Vegetation scrubby shrubs.
271157. Col. No. 1805. Military Center, Nasik.
- 271158 and 271159. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae. Guar.
Indian Agricultural Research Institute, New Delhi.
271158. Col. No. 1494. 'Pusa Mousami'.
271159. Col. No. 1495. 'Pusa Sadabahar'.
271160. *DESMODIUM DISCOLOR* Vogel. Fabaceae.
Col. No. 1424. A-No. 2423. Originally from Australia.

271134 to 271265—Continued

- 271161.** *DESMODIUM TORTUOSUM* (Sw.) DC.
Col. No. 1407. A—No. 2376. Originally from Australia.
- 271162.** *DICHANTHIUM PANCHGANIENSE* Blatter & McCann Poaceae.
Col. No. 1568. Rocky slope near Prospect Hotel, Pau.
- 271163.** *DOLICHOS BIFLORUS* L. Fabaceae. **Twinflower dolichos.**
Col. No. 1411. A—No. 3242. Mandya.
- 271164.** *DOLICHOS LABLAB* L. **Hyacinth-bean.**
Col. No. 1415. Lignosus. Indian Agricultural Research Institute, New Delhi.
- 271165 to 271168.** *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. **Ragi.**
271165. Col. No. 1576. Village east of third tableland, Panchgani.
271166. Col. No. 1783. 'Nagli'. Igatpuri bazaar.
271167. Col. No. 1801. 'Nagli'. Nasik bazaar.
271168. Col. No. 1803. Nasik bazaar.
- 271169.** *EREMOPOGON FOVEOLATUS* (Del.) Stapf Poaceae.
Col. No. 1533.
- 271170 and 271171.** *GLYCINE JAVANICA* L. Fabaceae.
271170. Col. No. 1410. A—No. 2780. Indian Agricultural Research Institute, New Delhi. Originally from Australia.
271171. Col. No. 1425. A—No. 3146. Indian Agricultural Research Institute, New Delhi. Originally from Australia.
- 271172.** *GOSSYPIUM* sp. Malvaceae.
Col. No. 1754. Mt. Abu bazaar.
- 271173 to 271181.** *HETEROPOGON CONTORTUS* (L.) Beauv. ex Roem. & Schult. Poaceae.
Indian Agricultural Research Institute, New Delhi.
271173. Col. No. 1433. I.W. 936.
271174. Col. No. 1434.
271175. Col. No. 1435. I.W. 708.
271176. Col. No. 1436. I.W. 218.
271177. Col. No. 1437. I.W. 562.
271178. Col. No. 1438. I.W. 1005.
271179. Col. No. 1534.
271180. Col. No. 1542. Outskirts of Poona.
271181. Col. No. 1775. Forty-five meters above water supply lake, Igatpuri.
- 271182.** *HETEROPOGON TRITICEUS* (R.Br.) Stapf Poaceae.
Col. No. 1772. One km. north of Igatpuri. Bunchgrass to 1.2 meters high.
- 271183 to 271191.** *HORDEUM VULGARE* L. Poaceae.
271183 to 271190. Indian Agricultural Research Institute, New Delhi.
271183. Col. No. 1521. N.P. 21.
271184. Col. No. 1523. R.S. 30.
271185. Col. No. 1524. R.S. 8.

271134 to 271265—Continued**271183 to 271191—Continued****271183 to 271190—Continued**

271186. Col. No. 1525. N.P. 13.
 271187. Col. No. 1526. C. 138-2.
 271188. Col. No. 1528. K. 251.
 271189. Col. No. 1529. Type 4.
 271190. Col. No. 1530. R.S. 17.

271191. Col. No. 1753. Mt. Abu bazaar.

271192. INDIGOFERA SUMATRANA Gaertn. Fabaceae.

Col. No. 1418. A. No. 2379. Indian Agricultural Research Institute, New Delhi. Originally from Brazil.

271193. ISCHAEMUM TIMORENSE Kunth Poaceae.

Col. No. 1554. Five km. from Mahabashwar, towards Panchgani.
 Plant to 1.5 meters high, stemmy.

271194. MEDICAGO SATIVA L. Fabaceae.**Alfalfa.**

Col. No. 1406. A. No. 3046. Bombay.

271195. PANICUM MILIACEUM L. Poaceae.**Proso.**

Col. No. 1575. Village east of third tableland, Panchgani.

271196. SETARIA PALMIFOLIA (Koen.) Stapf Poaceae.

Col. No. 1555. Five km. from Mahabaleshwar, towards Panchgani.
 Plant to two meters high, stemmy; leaves broad.

271197 to 271221. CENCHRUS CILIARIS L. Poaceae.

Indian Agricultural Research Institute, New Delhi.

271197. Col. No. 1427. 'Delhi'.
 271198. Col. No. 1428. 'Australia 49'.
 271199. Col. No. 1429. E.C. 2138.
 271200. Col. No. 1430. E.C. 2139.
 271201. Col. No. 1431. E.C. 2294.
 271202. Col. No. 1432. E.C. 2621.
 271203. Col. No. 1453. E.C. 5590.
 271204. Col. No. 1454. E.C. 5591.
 271205. Col. No. 1455. E.C. 5592.
 271206. Col. No. 1456. E.C. 5593.
 271207. Col. No. 1457. E.C. 5596.
 271208. Col. No. 1458. E.C. 5597.
 271209. Col. No. 1459. E.C. 5598.
 271210. Col. No. 1460. E.C. 5599.
 271211. Col. No. 1461. E.C. 5601.
 271212. Col. No. 1462. E.C. 5602.
 271213. Col. No. 1463. E.C. 5605.
 271214. Col. No. 1464. E.C. 5607.
 271215. Col. No. 1465. E.C. 5609.
 271216. Col. No. 1466. E.C. 5612.

271134 to 271265—Continued**271197 to 271221—Continued**

271217. Col. No. 1467. E.C. 5613.
 271218. Col. No. 1468. E.C. 5614.
 271219. Col. No. 1469. E.C. 5615.
 271220. Col. No. 1470. E.C. 5634.
 271221. Col. No. 1471. E.C. 5635.
- 271222 and 271223. *PENNISETUM SPICATUM* (L.) Willd. Pearl millet.
 271222. Col. No. 1781. Igatpuri bazaar.
 271223. Col. No. 1794. Nasik bazaar.
271224. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
 Col. No. 1736. Three km. east of Mount Abu. Plants to 2.4 meters high.
271225. *SACCHARUM SPONTANEUM* L. Poaceae.
 Col. No. 1549. Streamside, 55 km. southeast of Poona. Plants to one meter high; plumes silvery.
271226. *SESBANIA BISPINOSA* (Jacq.) W. F. Wight Fabaceae.
 Col. No. 1412. A—No. 3243. Indian Agricultural Research Institute, New Delhi. From Mandya, India.
- 271227 and 271228. *SESBANIA SESBAN* (L.) Merr.
 271227. Col. No. 1624. Near stream 16 km. west of Poona.
 271228. Col. No. 1808. Dark alluvium, edge of field north side of Nasik. Plant to 1.5 meters high.
- 271229 to 271231. *SORGHUM HALEPENSE* (L.) Pers. Poaceae. Johnson grass.
 271229. Col. No. 1580. East of third tableland, Panchgani.
 271230. Col. No. 1582. East of third tableland, Panchgani. Plants to 2.4 meters high.
 271231. Col. No. 1812. Dyke between paddy fields, four km. northeast of Igatpuri. Plants to three meters high.
- 271232 to 271239. *SORGHUM BICOLOR* (L.) Moench
 271232. Col. No. 1574. Near village east of third tableland, Panchgani.
 271233. Col. No. 1579. Near village east of third tableland, Panchgani. Broom corn.
 271234. Col. No. 1583. Near village east of third tableland, Panchgani. Tassel large.
 271235. Col. No. 1623. Sixteen km. west of Poona. Grain pearly, yellow and white.
 271236. Col. No. 1632. Paud. Head open.
 271237. Col. No. 1787. Igatpuri bazaar. Used for making bread.
 271238. Col. No. 1790. Nasik bazaar. Used for making bread.
 271239. Col. No. 1796. Nasik bazaar.
271240. *SORGHUM PUGIONIFOLIUM* Snowden
 Col. No. 1537. Edge of field near Polam Airport, New Delhi. Glumes very hairy.
271241. *SORGHUM CONTROVERSUM* (Steud.) Snowden
 Col. No. 1631. West end of Paud. Plant 3.5 meters high; panicles large open; seeds black.

271134 to 271265—Continued

271242. *SORGHUM MILIACEUM* var. *PARVISPICULA* Snowden
Col. No. 1635. Botanic Garden, University of Poona.
271243. *SORGHUM* sp.
Col. No. 1717. Mt. Abu.
- 271244 and 271245. *SORGHUM CONTROVERSUM* (Steud.) Snowden
271244. Col. No. 1731. One and one-half km. east of Mt. Abu.
271245. Col. No. 1737. Three km. east of Mt. Abu. Plants to two meters high. Used as hay.
271246. *STYLOSANTHES GRACILIS* HBK. Fabaceae.
Col. No. 1408. A. No. 3260. Ranchi.
271247. *THEMEDA* sp. Poaceae.
Col. No. 1759. Fields near Palghan.
271248. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. **Berseem clover.**
Col. No. 1414. Indian Agricultural Research Institute, New Delhi.
- 271249 and 271250. *HORDEUM VULGARE* L. Poaceae.
271249. Col. No. 1522. CN 292. Indian Agricultural Research Institute, New Delhi.
271250. Col. No. 1527. CN 294. Indian Agricultural Research Institute, New Delhi.
- 271251 to 271254. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
271251. Col. No. 1750. Mt. Abu bazaar.
271252. Col. No. 1786. Igatpuri bazaar.
271253. Col. No. 1792. Nasik bazaar.
271254. Col. No. 1795. Nasik bazaar.
271255. *VICIA* sp. Fabaceae.
Col. No. 1782. Igatpuri bazaar.
- 271256 to 271264. *VIGNA SINENSIS* (Torner) Savi Fabaceae. **Cowpea.**
271256 to 271260. Indian Agricultural Research Institute, New Delhi.
271256. Col. No. 1489. Vegetable type.
271257. Col. No. 1490. 890/A. I.C. 2815.
271258. Col. No. 1491. 894/A. I.C. 2816.
271259. Col. No. 1492. 2864. 'Early Sugar'.
271260. Col. No. 1493. I.C. 3231. 'Fyzabad'.
271261. Col. No. 1714. Poona Agricultural College.
271262. Col. No. 1752. Mt. Abu bazaar.
271263. Col. No. 1788. Igatpuri bazaar. Seeds small.
271264. Col. No. 1793. Nasik bazaar.
271265. *ZEA MAYS* L. Poaceae. **Corn.**
Col. No. 1751. Mt. Abu bazaar.
- 271266 and 271267. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

From Iran. Seeds presented by the Foreign Agricultural Service, Office of Agricultural Attache, Tehran. Received Jan. 24, 1961.

271266 and 271267—Continued

271266. No. 1. 'Kharbozeh'.

271267. No. 2. 'Kharbozeh'.

271268. MANGIFERA INDICA L. Anacardiaceae. Mango.

From Australia. Seeds presented by the Department of Agriculture and Stock, Brisbane, Queensland. Received Jan. 19, 1961.

'Kensington'. Bowen, Queensland.

271269. SACCHARUM (hybrid) Poaceae. Sugarcane.

From Mexico. Cuttings presented by the United States Embassy, Mexico City. Received Jan. 23, 1961.

K.I.E.(F) X C.P. 33-24 (M). MEX. 53-142.

271270 to 271282. CORYLUS AVELLANA L. Betulaceae. Filbert.

From the Netherlands. Budsticks presented by the Institute of Horticultural Plant Breeding, Wageningen. Received Jan. 23, 1961.

271270. 'Bergeri' ('Louis Berger'). Originally from Alnarp Experiment Station, Alnarp, Sweden. Parentage unknown.

271271. 'Duke of Edinburgh' ('Princess Royal'). Originally from Alnarp Experiment Station, Alnarp, Sweden. Parentage unknown. Bred by R. Webb, Calcot, Reading, England.

271272. 'Emperor'. Originally from U.S. Department of Agriculture, Beltsville, Md.

271273. 'Fichtmans'. From a Dutch nursery. A fruitful variety, but too small for commercial purposes.

271274. 'Garibaldi'. A seedling from Richard Webb's nursery. Nut to 25 mm. long, 15 mm. broad, 14 mm. thick.

271275. 'Lambert Filbert'. ('Kentish Cob' 'Du Chilly'). Originally from Chr. Fey, Meckenheim, Germany.

271276. 'Long Fellow'. Originally from U.S. Department of Agriculture. Beltsville, Md.

271277. 'Medium Long'. Originally from New York Agricultural Experiment Station, Geneva, New York.

271278. 'Neue Riesen'. German variety of unknown parentage. Nuts large.

271279. 'Pearsons Prolific'. From Thomas Rivers, Sawbridgeworth, England. Parentage unknown.

271280. 'Rode Zeller'. Nuts small; used as an ornamental.

271281. 'Romeinse Noot'. Parentage unknown. Nut large, broad.

271282. 'Roodpit Lambertsnoot'. From a Dutch nursery. Parentage unknown. Flavorful but too small for commercial purposes. Important as pollinator.

271283 to 271286. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Italy. Seeds presented by Dott. Marco Michahelles, Firenze. Received Jan. 24, 1961.

Semi-dwarf varieties adapted to Italian winters and supposedly of good milling and baking qualities.

271283. 'Conte Marzotto'. 271285. 'Mara'.

271284. 'Generoso 7'. 271286. 'M.M.'.

271287. ORYZA SATIVA L. Poaceae.**Rice.**

From Guatemala. Seeds presented by the Ministerio de Agricultura, Guatemala City. Received Jan. 24, 1961.

'Perlita-Jalapa'.

271288. PROTEA BARBIGERA Meisn. Proteaceae.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 24, 1961.

Col. No. 18802. Bot River, Capetown.

271289. DIOSCOREA sp. Dioscoraceae.

From Japan. Rhizome intercepted in the mail at El Paso, Tex., on Jan. 23, 1961. Received Jan. 25, 1961.

271290 to 271304. SACCHARUM (hybrids) Poaceae.**Sugarcane.**

From the United States. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received Jan. 25, 1961.

271290. H. 59-9878.	271298. H. 59-9894.
271291. H. 59-9882.	271299. H. 59-9896.
271292. H. 59-9884.	271300. H. 59-9910.
271293. H. 59-9887.	271301. H. 59-9911.
271294. H. 59-9888.	271302. H. 59-9912.
271295. H. 59-9890.	271303. H. 59-9930.
271296. H. 59-9891.	271304. H. 59-9934.
271297. H. 59-9893.	

271305 and 271306.

From the United States Virgin Islands. Cuttings collected by W. H. Hodge, Longwood Gardens, Kennett Square, Pennsylvania. Received Jan. 26, 1961.

271305. ANTHURIUM sp. Araceae.

W1-1. Fern gully, Waterisle, St. Thomas. Growing on totem-shaded house.

271306. MONSTERA sp. Araceae.

W1-2. Fern gully, Waterisle, St. Thomas. Grown in shade house.

271307. PYRACANTHA (hybrid). Malaceae.

From Great Britain. Plants presented by John Jefferies and Son Ltd., Cirencester, England. Received Jan. 27, 1961.

'Chinese Brocade'.

271308 to 271413.

From India. Bulbs and seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 30, 1961. Seeds unless otherwise noted.

271308 to 271312. ALLIUM CEPA L. Liliaceae.**Onion.**

271308. Col. No. 1501. Mysore. Deep red.

271309. Col. No. 1502. I.C. 270. New Delhi.

271310. Col. No. 1503. I.C. 3075. 'Pusa Red'. New Delhi.

271311. Col. No. 1504. I.C. 4528. 'Nasik'. New Delhi.

271308 to 271413—Continued

271308 to 271312—Continued

271312. Col. No. 1746. Mt. Abu bazaar. Bulbs.
- 271313 and 271314. *ALLIUM SATIVUM* L. Garlic.
271313. Col. No. 1745. Mt. Abu bazaar. Bulbs.
271314. Col. No. 1799. Mt. Abu bazaar. Bulbs.
- 271315 to 271319. *BENINCASA HISPIDA* (Thunb.) Cogn. Cucurbitaceae.
Waxgourd.

From the Poona Agricultural College.

271315. Col. No. 1692. No. 3.
271316. Col. No. 1693. No. 2.
271317. Col. No. 1694. No. 4.
271318. Col. No. 1695. No. 6.
271319. Col. No. 1696. No. 7.
271320. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Cauliflower.
Col. No. 1484. 'Pusa Katki'. New Delhi.
271321. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.
Col. No. 1784. Igatpuri bazaar.
271322. *CAPSICUM ANNUUM* L. Pimento.
Col. No. 1747. Mt. Abu bazaar.
- 271323 to 271325. *CICER ARIETINUM* L. Fabaceae. Chickpea.
271323. Col. No. 1157. Palanpur bazaar. Seeds angular.
271324. Col. No. 1171. Palanpur bazaar. Seeds angular.
271325. Col. No. 1176. Palanpur bazaar. Seeds round.
- 271326 to 271328. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.
From the Poona Agricultural College.
271326. Col. No. 1682. No. 63. 'Khira'.
271327. Col. No. 1683. No. 64. 'Khira'.
271328. Col. No. 1684. No. 69. 'Khira'.
271329. *CUCUMIS MELO* L. Muskmelon.
Col. No. 1685. No. 71. 'Khira'.
- 271330 to 271332. *CUCUMIS SATIVUS* L. Cucumber.
271330. Col. No. 1686. No. 72. 'Khira'.
271331. Col. No. 1687. No. 74. 'Khira'.
271332. Col. No. 1688. No. 77. 'Khira'.
271333. *CUCUMIS MELO* L. Muskmelon.
Col. No. 1689. No. 76. 'Khira'.
- 271334 and 271335. *CUCUMIS SATIVUS* L. Cucumber.
271334. Col. No. 1690. No. 78. 'Khira'.
271335. Col. No. 1691. No. 80. 'Khira'.
- 271336 and 271337. *CUCUMIS TRIGONIS* Roxb.
271336. Col. No. 1609. Ravine between Khandala and Lonauli. Plant
a vine.

271308 to 271413—Continued**271336 and 271337—Continued**

271337. Col. No. 1744. Canyon bottom five km. east of Mt. Abu. Plant a vine; fruits spiny, round.

271338 to 271347. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. Squash.
From the Poona Agricultural College.

271338. Col. No. 1645. No. 2. 'Indor'.

271339. Col. No. 1646. No. 3. 'Indor'.

271340. Col. No. 1647. No. 4. 'Indor'.

271341. Col. No. 1648. No. 7. 'Indor'.

271342. Col. No. 1649. No. 11. 'Indor'.

271343. Col. No. 1650. No. 12. 'Indor'.

271344. Col. No. 1651. No. 16. 'Indor'.

271345. Col. No. 1652. No. 18. 'Indor'.

271346. Col. No. 1653. No. 20. 'Indor'.

271347. Col. No. 1654. No. 21. 'Indor'.

271348. *DAUCUS CAROTA* L. Apiaceae. Carrot.

Col. No. 1483. 'Asiatic Red'. New Delhi.

271349. *HIBISCUS ESCULENTUS* L. Malvaceae. Okra.

Col. No. 1478. 'Pusa Sawani'. Reportedly resistant to "white-vein" disease.

271350 to 271360. *LAGENARIA SICERARIA* (Mol.) Standl. Cucurbitaceae.
Calabash gourd.

From the Poona Agricultural College.

271350. Col. No. 1480. 'Delhi'. Summer maturing; fruit prolific, long.

271351. Col. No. 1662. No. 1.

271352. Col. No. 1663. No. 4.

271353. Col. No. 1664. No. 5.

271354. Col. No. 1665. No. 7.

271355. Col. No. 1666. No. 8.

271356. Col. No. 1667. No. 10.

271357. Col. No. 1668. No. 20.

271358. Col. No. 1669. No. 23.

271359. Col. No. 1670. No. 24.

271360. Col. No. 1671. No. 26.

271361. *LATHYRUS OCHRUS* (L.) DC. Fabaceae.

Col. No. 1405. From the Indian Agricultural Research Institute.

271362. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. Loofah gourd.

Col. No. 1481. 'Pusa Nasda'. New Delhi.

271363. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.
Watermelon.

Col. No. 1655. No. 7. 'Dodka'. From the Poona Agricultural College.

271364 to 271369. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae.
Loofah gourd.

From the Poona Agricultural College.

271364. Col. No. 1656. No. 8. 'Dodka'.

271308 to 271413—Continued**271364 to 271369—Continued**

271365. Col. No. 1657. No. 9. 'Dodka'.
 271366. Col. No. 1658. No. 11. 'Dodka'.
 271367. Col. No. 1659. No. 12. 'Dodka'.
 271368. Col. No. 1660. No. 17. 'Dodka'.
 271369. Col. No. 1661. No. 21. 'Dodka'.

271370 to 271380. LUFFA CYLINDRICA (L.) Roemer. Suakwa towelgourd.

271370. Col. No. 1482. 'Pusa Chileini'. New Delhi.

From the Poona Agricultural College.

271371. Col. No. 1702. No. 6. 'Ghosali'.
 271372. Col. No. 1703. No. 7. 'Ghosali'.
 271373. Col. No. 1704. No. 8. 'Ghosali'.
 271374. Col. No. 1705. No. 9. 'Ghosali'.
 271375. Col. No. 1706. No. 10. 'Ghosali'.
 271376. Col. No. 1707. No. 11. 'Ghosali'.
 271377. Col. No. 1708. No. 12. 'Ghosali'.
 271378. Col. No. 1709. No. 13. 'Ghosali'.
 271379. Col. No. 1710. No. 16. 'Ghosali'.
 271380. Col. No. 1711. No. 17. 'Ghosali'.

271381 to 271388. LYCOPERSICON ESCULENTUM Mill. Solanaceae.

Tomato.

271381. Col. No. 1505. I.C. 3161. 'Jaipur'. New Delhi.
 271382. Col. No. 1506. 'Bewar'. New Delhi.
 271383. Col. No. 1507. 'Meeneti'. New Delhi.
 271384. Col. No. 1508. K-1019. New Delhi.
 271385. Col. No. 1509. I.C. 1464. New Delhi.
 271386. Col. No. 1510. I.C. 2325. New Delhi.
 271387. Col. No. 1511. I.C. 4874. 'Kalimpong'. New Delhi.
 271388. Col. No. 1512. I.C. 4875. 'Kalimpong'. New Delhi.

271389 to 271398. MOMORDICA CHARANTIA L. Cucurbitaceae. Balsam-pear.

From the Poona Agricultural College.

271389. Col. No. 1672. No. 2. 'Karli'.
 271390. Col. No. 1673. No. 4. 'Karli'.
 271391. Col. No. 1674. No. 5. 'Karli'.
 271392. Col. No. 1675. No. 6. 'Karli'.
 271393. Col. No. 1676. No. 7. 'Karli'.
 271394. Col. No. 1677. No. 8. 'Karli'.
 271395. Col. No. 1678. No. 9. 'Karli'.
 271396. Col. No. 1679. No. 11. 'Karli'.
 271397. Col. No. 1680. No. 12. 'Karli'.
 271398. Col. No. 1681. No. 13. 'Karli'.

271308 to 271413—Continued

271399 and 271400. PHASEOLUS ACONITIFOLIUS Jacq. Fabaceae. **Mothbean.**

271399. Col. No. 1785. 'Mut'. Igatupuri bazaar.

271400. Col. No. 1798. 'Mut'. Nasik bazaar.

271401 to 271408. PHASEOLUS AUREUS Roxb. **Mungbean.**

271401. Col. No. 1496. I.C. 5551. New Delhi.

271402. Col. No. 1497. I.C. 695. 'Punjabi'. New Delhi.

271403. Col. No. 1498. I.C. 682. New Delhi.

271404. Col. No. 1499. I.C. 2056. New Delhi.

271405. Col. No. 1500. I.C. 1957. 'Krishna'. New Delhi.

271406. Col. No. 1749. Mt. Abu bazaar.

271407. Col. No. 1780. Igatupuri bazaar.

271408. Col. No. 1791. Nasik bazaar.

271409 and 271410. PHASEOLUS MUNGO L. **Urd.**

271409. Col. No. 1556. Five km. from Mahabaleshwar, towards Panchgani.

271410. Col. No. 1748. Mt. Abu bazaar.

271411 and 271412. SOLANUM MELONGENA L. Solanaceae. **Eggplant.**

271411. Col. No. 1712. 'Monjari Gata'. Poona Agricultural College.

271412. Col. No. 1713. 'Jurti Gata'. Poona Agricultural College.

271413. SOLANUM sp.

No. 1771. Caprock, 1.5 km. north of Igatpuri. Plant branched, woody, armed, to one meter high; flowers blue; anthers yellow.

271414 to 271423. THEOBROMA CACAO L. Sterculiaceae. **Cacao.**

From the British West Indies. Seeds presented by the Cocoa Board, Agricultural Department, St. Clair, Port of Spain, Trinidad. Received Jan. 31, 1961.

271414. IMC 67 × PA 13.

271419. IMC 67 × TSA 644.

271415. IMC 67 × PA 30.

271420. IMC 67 × TSAN 792.

271416. IMC 67 × PA 81.

271421. IMC 67 × TSH 565.

271417. IMC 67 × PA 150.

271422. SCA 9 × IMC 67.

271418. IMC 67 × PA 218.

271423. SCA 12 × IMC 67.

271424. CYNODON DACTYLON (L.) Pers. Poaceae.

Bermudagrass.

From Ethiopia. Rhizomes collected by Hugh Rouk, United States Operations Mission, Addis Ababa. Received Jan. 31, 1961.

No. 2101. Mussolini Pass, near Debra Sina. Elevation 10,200 feet.

271425 to 271427. VACCINIUM BRACTEATUM Thunb.

Vacciniaceae.

Oriental blueberry.

From Japan. Seeds presented by the Kyushu Agricultural Experiment Station, Anno, Tanegashima, Kagoshima-ken. Received Jan. 31, 1961.

271425. No. 1. Collected at Anno, Tanegashima. Dec. 1960.

271426. No. 2. Collected at Hirayama, Tanegashima. Dec. 1960.

271427. No. 3. Collected at Kuginaga, Tanegashima. Dec. 1960.

271428. PRUNUS DOMESTICA L. Amygdalaceae. Common plum.

From Great Britain. Budsticks presented by the Scottish Horticultural Research Institute, Mylnefield, Invergowrie, by Dundee, Scotland. Received Feb. 1, 1961.

'Gordon Castle'.

271429. PHYLLOSTACHYS EDULIS var. HETEROCYCLA H. de Leh. Poaceae. Bamboo.

From Japan. Rhizomes presented by the Experimental Forest Station, Kyoto University, Kyoto. Received Feb. 1, 1961.

271430. HIBISCUS sp. Malvaceae.

From Tanganyika. Seeds collected by O. E. White, Serengeti Plains. Received Feb. 1, 1961.

271431. PINUS sp. Pinaceae.

From Afghanistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 2, 1961.

Col. No. 343. Lashkar Grh nursery. Reportedly from the Herat Region. Plants fast growing, stands hot weather well. Extensively planted in southern Afghanistan.

271432 to 271520.

From India. Bulbs and seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 2, 1961.

Seeds unless otherwise noted.

271432 to 271434. ALLIUM CEPA L. Liliaceae. Onion.

271432. Col. No. 1136. Dalhousie bazaar. Bulbs.

271433. Col. No. 1196. Palanpur bazaar. Bulbs.

271434. Col. No. 1275. Sarahan bazaar. Bulbs.

271435 and 271436. ALLIUM SATIVUM L. Garlic.

271435. Col. No. 1134. Dalhousie bazaar. Bulbs.

271436. Col. No. 1150. Palanpur bazaar. Bulbs.

271437. ASPARAGUS sp. Convallariaceae.

Col. No. 1213. Mandi orchard. Elevation 1,870 meters.

271438 to 271441. BETA VULGARIS L. Chenopodiaceae. Common beet.

271438. Col. No. 1162. 'Palak'. Palanpur bazaar.

271439. Col. No. 1189. Palanpur bazaar.

271440. Col. No. 1276. Sarahan bazaar.

271441. Col. No. 1286. Sarahan bazaar.

271442. BRASSICA JUNCEA (L.) Coss. Brassicaceae. Chinese mustard.

Col. No. 1151. 'Sarson'. Palanpur bazaar.

271443. BRASSICA CAMPESTRIS var. SARSON Prain. Brassicaceae. Sarson.

Col. No. 1155. 'Sarson'. Palanpur bazaar.

271444. BRASSICA NIGRA (L.) Koch Black mustard.

Col. No. 1250. 'Sarson'. Kulu bazaar.

271445 and 271446. BRASSICA OLERACEA var. BOTRYTIS L. Cauliflower.

271432 to 271520—Continued

271445 and 271446—Continued

271445. Col. No. 1173. Palanpur bazaar.
271446. Col. No. 1346. Farm near Jodhpur.
- 271447 to 271449. *BRASSICA RAPA* L. Turnip.
271447. Col. No. 1165. Palanpur bazaar.
271448. Col. No. 1186. Palanpur bazaar.
271449. Col. No. 1294. Sarahan bazaar.
271450. *BRASSICA* sp.
Col. No. 1166. 'Gobi'. Palanpur bazaar.
271451. *RAPHANUS RAPHANISTRUM* L. Brassicaceae.
Col. No. 1183. 'Munra'. Palanpur bazaar.
271452. *BRASSICA NAPUS* L. Brassicaceae. Rape.
Col. No. 1187. Palanpur bazaar.
271453. *BRASSICA JUNCEA* (L.) Coss. Chinese mustard.
Col. No. 1193. 'Rai'. Palanpur bazaar.
271454. *BRASSICA* sp.
Col. No. 1195. Palanpur bazaar.
271455. *BRASSICA JUNCEA* (L.) Coss. Chinese mustard.
Col. No. 1246. 'Sarrow'. Kulu bazaar.
271456. *RAPHANUS RAPHANISTRUM* L. Brassicaceae.
Col. No. 1277. 'Mungra'. Sarahan bazaar.
271457. *BRASSICA* sp. Brassicaceae.
Col. No. 1285. Sarahan bazaar.
271458. *BRASSICA* sp.
Col. No. 1289. 'Pul'. Sarahan bazaar.
271459. *RAPHANUS SATIVUS* L. Radish.
Col. No. 1290. Sarahan bazaar.
- 271460 to 271464. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.
271460. Col. No. 1160. Palanpur bazaar. Fruit small.
271461. Col. No. 1255. Kulu bazaar. Fruit small, orange colored.
271462. Col. No. 1282. Sarahan bazaar.
271463. Col. No. 1317. Gishangore market.
271464. Col. No. 1360. Farm near Jodhpur. Fruit long, red.
271465. *CHENOPODIUM ALBUM* L. Chenopodiaceae.
Col. No. 1345. Farm near Jodhpur. Used as a vegetable.
- 271466 and 271467. *CYTRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. Watermelon.
271466. Col. No. 1342. Farm near Jodhpur.
271467. Col. No. 1352. 'Tinda'. Farm near Jodhpur.
271468. *CUCURBITA PEPO* L. Cucurbitaceae. Pumpkin.
Col. No. 1355. 'Peta'. Farm near Jodhpur.
271469. *CUCURBITA* sp.
Col. No. 1113. Wooded foothills, high rainfall area, 55 km. below Dalhousie. Plant a vine.

271432 to 271520—Continued

- 271470 to 271473. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**
 271470. Col. No. 1159. 'Garjer'. Palanpur bazaar.
 271471. Col. No. 1164. Palanpur bazaar.
 271472. Col. No. 1287. Sarahan bazaar.
 271473. Col. No. 1356. Farm near Jodhpur.
271474. *HIBISCUS ESCULENTUS* L. Malvaceae. **Okra.**
 Col. No. 1292. Sarahan bazaar.
- 271475 and 271476. *LACTUCA SATIVA* L. Cichoriaceae.
 271475. Col. No. 1174. Palanpur bazaar.
 271476. Col. No. 1291. Sarahan bazaar.
- 271477 to 271479. *LAGENARIA SICERARIA* (Mol.) Standl. Cucurbitaceae. **Calabash gourd.**
 271477. Col. No. 1168. Palanpur bazaar. Bottle gourd.
 271478. Col. No. 1284. 'Gujah'. Sarahan bazaar.
 271479. Col. No. 1353. Farm near Jodhpur.
271480. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. **Loofah gourd.**
 Col. No. 1341. Farm near Jodhpur. Ridge gourd.
- 271481 and 271482. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
 271481. Col. No. 1194. Palanpur bazaar.
 271482. Col. No. 1281. Sarahan bazaar.
271483. *MOMORDICA BALSAMINA* L. Cucurbitaceae. **Balsam-apple.**
 Col. No. 1326. Tabiji station, Ajmer. Plant a vine; leaves small; fruit
 50 mm. long, sometimes eaten.
- 271484 to 271487. *MOMORDICA CHARANTIA* L. **Balsam-pear.**
 271484. Col. No. 1137. Dalhousie bazaar. Fruits gnarled, about 75
 mm. long, pointed at both ends.
 271485. Col. No. 1182. Palanpur bazaar.
 271486. Col. No. 1288. Sarahan bazaar.
 271487. Col. No. 1343. 'Karila'. Farm near Jodhpur.
- 271488 and 271489. *PHASEOLUS ACONITIFOLIUS* Jacq. Fabaceae. **Mothbean.**
 271488. Col. No. 1330. Field, 80 km. from Pali, road from Ajmer.
 Plant a vine.
 271489. Col. No. 1384. Jodhpur Experiment Station.
- 271490 to 271495. *PHASEOLUS AUREUS* Roxb. **Mungbean.**
 271490. Col. No. 1154. Palanpur bazaar.
 271491. Col. No. 1170. Palanpur bazaar.
 271492. Col. No. 1209. Five km. below Mandi. Elevation 1,800 meters.
 271493. Col. No. 1244. Kula bazaar.
 271494. Col. No. 1383. Jodhpur.
 271495. Col. No. 1386. Jodhpur.
271496. *PHASEOLUS CALCARATUS* Roxb.
 Col. No. 1344. Farm near Jodhpur. Plant a trailing bean.

271432 to 271520—Continued

- 271497 to 271499.** *PHASEOLUS MUNGO* L. Urd.
 271497. Col. No. 1161. Palanpur bazaar.
 271498. Col. No. 1177. Palanpur bazaar.
 271499. Col. No. 1251. 'Mash'. Kulu bazaar.
- 271500.** *PHASEOLUS RADIATUS* L.
 Col. No. 1329. Field, 80 km. from Pali, road from Ajmer. Plant a bushy vine; fruits to 60 mm. long, edible.
- 271501 to 271506.** *PHASEOLUS VULGARIS* L.
 271501. Col. No. 1153. Palanpur bazaar.
 271502. Col. No. 1167. Palanpur bazaar. Seeds red.
 271503. Col. No. 1169. Palanpur bazaar.
 271504. Col. No. 1172. Palanpur bazaar.
 271505. Col. No. 1188. Palanpur bazaar.
 271506. Col. No. 1247. 'Raji Mar'. Kulu bazaar. Pinto.
- 271507 to 271511.** *PISUM SATIVUM* L. Fabaceae.
 271507. Col. No. 1156. Palanpur bazaar.
 271508. Col. No. 1163. Palanpur bazaar.
 271509. Col. No. 1179. Palanpur bazaar.
 271510. Col. No. 1293. Sarahan bazaar.
 271511. Col. No. 1295. Sarahan bazaar.
- 271512.** *PYRUS* sp. Malaceae.
 Col. No. 1133. Wasteland four km. below Dalhousie. Tree to 7.6 meters high; fruits small, round.
- 271513.** *PYRUS* sp.
 Col. No. 1272. Steep wooded hills 22 km. from Kalka, towards Simla. Tree a prolific bearer.
- 271514 to 271518.** *RAPHANUS SATIVUS* L. Brassicaceae. Radish.
 271514. Col. No. 1185. Palanpur bazaar.
 271515. Col. No. 1190. Palanpur bazaar.
 271516. Col. No. 1191. Palanpur bazaar. Roots white.
 271517. Col. No. 1283. Sarahan bazaar.
 271518. Col. No. 1357. Farm near Jodhpur.
- 271519.** *RUBUS* sp. Rosaceae.
 Col. No. 1060. 'Watlab'. Plant scrawny; fruits small.
- 271520.** *SOLANUM MELONGENA* L. Solanaceae. Eggplant.
 Col. No. 1184. Palanpur bazaar.
- 271521.** *ARUNDINARIA ALPINA* Schum. Poaceae. Bamboo.
 From Kenya. Rhizomes presented by the Grassland Research Station, Department of Agriculture, Kitale. Received Feb. 2, 1961.
 Collected on Mount Elgon, elevation 9,000 feet.
- 271522 to 271642.**
 From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 6, 1961.

271522 to 271642—Continued

271522. *AGROPYRON SEMICOSTATUM* Nees ex Boiss. Poaceae.

Col. No. 1223. Corn and amaranth field edge of fir-spruce forest, 200 meters up hillside from Mandi. Plants to one meter high, slender, nodding.

271523. *BROMUS* sp. Poaceae.

Col. No. 1220. Corn and amaranth field, edge of fir-spruce forest, 200 meters up hillside from Mandi. Elevation 2,000 meters. Plants to 18 dm. high.

271524. *HELICOTRICHON ASPERUM* (Munro) Bor Poaceae.

Col. No. 1226. Two km. above Mandi, 150 meters up mountainside. Elevation 2,100 meters. Plant one meter high.

271525. *CALAMAGROSTIS EPIGEIOS* (L.) Roth Poaceae.

Col. No. 1086. Exposed slope above timberline, three km. above Chandanwari. Elevation 3,160 meters. Robust bunchgrass to one meter high.

271526. *CANTHAROSPERMUM* sp. Fabaceae.

Col. No. 1118. Abandoned field in heavily wooded foothills, high rainfall area, 46 km. below Dalhousie. Plant 30 cm. high; depauperate; pods hairy.

271527 to 271529. *CENCHRUS SETIGERUS* Vahl Poaceae.

271527. Col. No. 1313. Along Circuit House drive, Alear.

271528. Col. No. 1324. Fifteen km. from Ajmer.

271529. Col. No. 1337. Dry roadside, 65 km. from Jodhpur, Pali road. Plant 30 cm. high.

271530 to 271533. *CHRYSOPOGON MONTANUS* Trin. ex Sprengel Poaceae.

271530. Col. No. 1031. Nine km. south of Pathankot.

271531. Col. No. 1101. Fields and wasteland, 10 km. from Pathankot, towards Dalhousie. Bunchgrass to one meter high; stemming variably.

271532. Col. No. 1267. Steep deforested hillside, 30 km. from Simla, towards Kalka.

271533. Col. No. 1305. Terrace, 10 km. below Mussoorie.

271534 to 271551. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae.

Guar.

271534. Col. No. 1361. B-33-2-55. From Rajasthan via Experiment Station Jodhpur.

271535. Col. No. 1362. B-23-2-55.

271536. Col. No. 1363. B-22-1-55.

271537. Col. No. 1364. B-11-1-55.

271538. Col. No. 1365. B-31-1-55.

271539. Col. No. 1366. B-20-2-55.

271540. Col. No. 1367. B-5-1-55.

271541. Col. No. 1368. B-37-6-55.

271542. Col. No. 1369. B-23-1-55.

271543. Col. No. 1370. B-7-1-55.

271544. Col. No. 1371. B-9-2-55.

271545. Col. No. 1372. B-4-3-55.

271546. Col. No. 1373. B-4-2-55.

271547. Col. No. 1374. B-40-1-55.

271548. Col. No. 1375. D-20-1-56.

271522 to 271642—Continued

271534 to 271551—Continued

271549. Col. No. 1376. B-22-2-55.

271550. Col. No. 1377. B-31-2-55.

271551. Col. No. 1378. B-21-1-55.

271552. *CYMOPOGON DISTANS* (Nees) Wats. Poaceae.

Col. No. 1074. Seventeen km. south of Pahlgam. Bunchgrass to one meter high.

271553. *THEMEDA ANATHERA* (Nees) Hack. Poaceae.

Col. No. 1114. Abandoned field in heavily wooded foothills, high rainfall area, 46 km. below Dalhousie. Bunchgrass to one meter high; stems slender.

271554. *CYMOPOGON* sp. Poaceae.

Col. No. 1266. Steep, deforested, hillside 30 km. from Simla, towards Kalka. Bunchgrass to 15 dm. high.

271555. *CYMOPOGON* sp.

Col. No. 1338. Dry roadside 65 km. from Jodhpur, Pali road. Plants to 0.5 meter high.

271556. *APLUDA MUTICA* L. Poaceae.

Col. No. 1339. Rocky forest enclosure, 25 km. north of Buni, on Jaipur road. Bunchgrass to one meter high.

271557. *CYNODON DACTYLON* (L.) Pers. Poaceae. **Bermudagrass.**

Col. No. 1224. Corn and amaranth field, edge of fir-spruce forest, 200 meters up hillside from Mandi. Plants small, turf type.

271558. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

Col. No. 1067. Twenty-five km. up Lolab valley. Plant one meter high; racemes slender.

271559 to 271561. *DACTYLOCTENIUM AEGYPTIUM* (L.) Beauv. Poaceae.

271559. Col. No. 1262. Steep wooded hills in high rainfall area, 50 km. from Mandi, towards Simla. Plants 12.5 cm. high stoloniferous; runners to two meters long.

271560. Col. No. 1323. Fifteen km. from Ajmer. Plant stoloniferous; runners to two meters long.

271561. Col. No. 1389. Uncultivated savannah adjacent to Tobiji Experiment Station, 13 km. west of Ajmer. Plant decumbent, to 60 cm. high.

271562. *DIGITARIA SANGUINALIS* (L.) Scop. Poaceae. **Crabgrass.**

Col. No. 1103. Fields and wastelands near timbered country, 10 km. from Pathankot, on way to Dalhousie. Plants to one meter high; racemes large.

271563. *ECHINOCHLOA CRUGALLI* (L.) Beauv. Poaceae.

Col. No. 1241. Upper Kulu Valley two km. below Kothi.

271564. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. **Ragi.**

Col. No. 1211. Five km. below Mandi. Elevation 1,800 meters.

271565 and 271566. *ELYONURUS HIRSUTUS* Munro ex Benth. Poaceae.

271565. Col. No. 1387. Central Arid Zone Research Institute, Jodhpur.

271566. Col. No. 1388. Central Arid Zone Research Institute, Jodhpur.

271522 to 271642—Continued

271567. *ERAGROSTIS PILOSA* (L.) Beauv. Poaceae. **India lovegrass.**
Col. No. 1222. Corn and amaranth field, edge of fir-spruce forest, 200 meters up hillside from Mandi. Plants 60 cm. high; panicles fine, lacy.
271568. *ERIANTHUS* sp. Poaceae.
Col. No. 1197. Steep, wooded hill country, high rainfall area near Jogindarnagar. Bunchgrass to 1.5 meters; plume silvery.
271569. *ERIANTHUS* sp.
Col. No. 1390. Uncultivated savannah adjacent to Tabiji Experiment Station, 13 km. west of Ajmer. Plants to 12 dm. high; plumes silvery.
271570. *ERIOCHLOA* sp. Poaceae.
Col. No. 1130. Edge of cornfield and terrace, three km. below Dalhousie. Rank grower to one meter high.
271571. *ERIOCHLOA* sp.
Col. No. 1198. Edge of Jogindarnagar, steep, wooded hill country, high rainfall area. Sprawling grass to one meter high.
271572. *ERIOCHLOA* sp.
Col. No. 1268. Steep, deforested hillside, 30 km. from Simla, towards Kalka. Plants to 14 dm. high.
271573. *ERIOCHLOA* sp.
Col. No. 1304. Old terrace, 10 km. below Mussoorie. Bunchgrass to one meter high.
271574. *FESTUCA* sp. Poaceae.
Col. No. 1122. Edge of cornfield and terrace wall, eight km. from Dalhousie. Bunchgrass to one meter high; culms slender, drooping.
271575. *BRACHYPODIUM SYLVATICUM* (Huds.) Beauv. Poaceae.
Col. No. 1227. Two km. above Mandi, 150 meters up mountainside. Elevation 2,100 meters. Bunchgrass to one meter high; spikelets very long.
271576. *FESTUCA* sp. Poaceae.
Col. No. 1231. Two km. above Mandi, 150 meters up mountainside. Elevation 2,100 meters. Plant to 60 cm. high.
271577. *BRACHYPODIUM SYLVATICUM* (Huds.) Beauv. Poaceae.
Col. No. 1232. Two km. above Mandi, 150 meters up mountainside. Elevation 2,100 meters. Plants to one meter high.
271578. *HELIANTHUS ANNUUS* L. Asteraceae. **Sunflower.**
Col. No. 1351. Farm near Jodhpur. Seeds white.
- 271579 to 271582. *HETEROPOGON CONTORTUS* (L.) Beauv. ex Roem. & Schult. Poaceae.
271579. Col. No. 1100. Fields and wasteland, near timbered country, 10 km. from Pathankot, towards Dalhousie.
271580. Col. No. 1261. Steep, wooded hills, in high rainfall area, 50 km. from Mandi towards Simla. Plants to one meter high.
271581. Col. No. 1325. Fifteen km. from Ajmer.
271582. Col. No. 1391. Uncultivated savannah adjacent to Tabiji Experiment Station 13 km. west of Ajmer. Plant vigorous.
271583. *LESPEDEZA* sp. Fabaceae.
Col. No. 1041. Fifteen km. north of Udhampur. Low, spreading perennial.

271522 to 271642—Continued

271584. *LESPEDEZA* sp.
Col. No. 1065. Twenty-five km. up Lolab valley.
271585. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**
Col. No. 1254. 'Alsee'. Kulu bazaar.
- 271586 to 271588. *ORYZOPSIS AEQUIGLUMIS* Duthie Poaceae.
271586. Col. No. 1046. Gulmarg. Bunchgrass to one meter high; said to be poisonous.
271587. Col. No. 1077. Seventeen km. south of Pahlgam. Bunchgrass to one meter high.
271588. Col. No. 1215. One hundred meters up hillside from Mandi. Elevation 1,960 meters.
- 271589 and 271590. *PANICUM ANTIDOTALE* Retz. Poaceae.
271589. Col. No. 1037. Seven km. south of Pathankot.
271590. Col. No. 1108. Fields and wastelands near timbered country, 10 km. from Pathankot, towards Dalhousie. Plant to 2.5 meters high.
271591. *PANICUM MILIARE* Lam.
Col. No. 1340. Sandy wash, 48 km. from Jodhpur, Pali road. Plants in large bunches, well cropped.
271592. *PASPALUM DILATATUM* Poir. Poaceae. **Dallisgrass.**
Col. No. 1201. Steep, wooded, hill country, high rainfall area, near Jogindarnagar. Sprawling bunchgrass to one meter high.
- 271593 and 271594. *CENCHRUS CILIARIS* L. Poaceae.
271593. Col. No. 1093. North side of pass, 18 km. north of Kud. Bunchgrass to one meter high.
271594. Col. No. 1123. Edge of cornfield and terrace wall, eight km. from Dalhousie. Bunchgrass to one meter high.
- 271595 and 271596. *PENNISETUM ORIENTALE* (L.) Rich.
271595. Col. No. 1271. Steep wooded hills, high rainfall area, 28 km. from Kalka, Simla Kalka road. Bunchgrass to 12 dm. high; spikes long, purple to straw colored.
271596. Col. No. 1274. Steep wooded hills, 20 km. from Kalka, Simla road to Nahan. Plants to one meter high; heads red or yellow.
- 271597 to 271600. *PENNISETUM SPICATUM* (L.) Willd. **Pearl millet.**
271597. Col. No. 1320. Flat plains farm, 75 km. east of Ajmer.
271598. Col. No. 1336. Dry roadside, 65 km. from Jodhpur, Pali road.
271599. Col. No. 1381. Jodhpur.
271600. Col. No. 1385. Jodhpur.
271601. *PENNISETUM FLACCIDUM* Griseb.
Col. No. 1045. Gulmarg, 37 km. southwest of Srinagar. Bunchgrass; spikes long, purple.
271602. *PENNISETUM* cf. *MACROURUM* Trin.
Col. No. 1075. Seventeen km. south of Pahlgam. Warm season bunchgrass to one meter high.
271603. *PENNISETUM* sp.
Col. No. 1124. Edge of cornfield and terrace wall, eight km. from Dalhousie.

271522 to 271642—Continued

271604. *POLYTOCA* sp. Poaceae.

Col. No. 1111. Wooded foothills, high rainfall area, 55 km. below Dalhousie.

271605. *RICINUS COMMUNIS* L. Euphorbiaceae.

Castorbean.

Col. No. 1298. Roadside, 37 km. from Nahan. Perennial to six meters high.

271606 and 271607. *SACCHARUM SPONTANEUM* L. Poaceae.

271606. Col. No. 1030. Eighteen km. south of Jullundur. Bunchgrass to three meters high; plumes silky.

271607. Col. No. 1139. River bottom, 15 km. from Pathankot, towards Kangra.

271608 and 271609. *SETARIA ITALICA* (L.) Beauv. Poaceae. Foxtail millet.

271608. Col. No. 1125. Edge of cornfield, eight km. from Dalhousie.

271609. Col. No. 1210. Five km. below Mandi. Elevation 1,800 meters.

271610 and 271611. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard ex M. B. Moss

271610. Col. No. 1044. Thirty-seven km. southwest of Srinagar. Used as hay.

271611. Col. No. 1239. Just above Pachlan.

271612 to 271614. *SORGHUM HALEPENSE* (L.) Pers. Poaceae.

Johnsongrass.

271612. Col. No. 1107. Fields and wastelands near timbered country, 10 km. from Pathankot, towards Dalhousie.

271613. Col. No. 1129. Edge of cornfield and terrace, three km. below Dalhousie. Leafy type.

271614. Col. No. 1316. Three km. south of Jaipur.

271615 and 271616. *SORGHUM MILIACEUM* (Roxb.) Snowden

271615. Col. No. 1207. Edge of cornfield, 10 km. north of Mandi. Plants to three meters high; panicles large.

271616. Col. No. 1299. Roadside, 37 km. from Nahan. Perennial; panicles long.

271617 to 271622. *SORGHUM BICOLOR* (L.) Boench.

271617. Col. No. 1309. Edge of field that had been inundated for two months, 115 km. north of Alwar, 74 km. southwest of New Delhi.

271618. Col. No. 1382. Jodhpur.

271619. Col. No. 1393. Field near Ajmer. Glumes brown; seed inclosed, possibly prevents bird damage; panicles open.

271620 to 271622. From Rockefeller Foundation Collection, Ajmer. Witchweed resistant.

271620. Col. No. 1402. No. L.B. 520/I.S. 2273.

271621. Col. No. 1403. No. L.B. 543/I.S. 2402 Q2/7/81.

271622. Col. No. 1404. No. L.B. 542/I.S. 2401 Q2/7/80.

271623. *SORGHUM* sp.

Col. No. 1036. Seven km. south of Pathankot. Bunchgrass to 3.5 meters high.

271624. *SORGHUM* (hybrid).

Col. No. 1394. Experiment Station, Kota. Plant to four meters high; panicles large, open.

271522 to 271642—Continued

271625 to 271627. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

271625. Col. No. 1062. Watlab.

271626. Col. No. 1064. Twenty-five km. up Lolab valley. Plants poor.

271627. Col. No. 1214. Mandi orchard. Elevation 1,870 meters.

271628. *TRIFOLIUM REPENS* L. **Whiteclover.**

Col. No. 1218. Corn and amaranth field, edge of fir-spruce forest 200 meters up hillside from Mandi. Elevation 2,000 meters.

271629 to 271632. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

271629. Col. No. 1152. Palanpur bazaar.

271630. Col. No. 1158. Palanpur bazaar.

271631. Col. No. 1178. Palanpur bazaar.

271632. Col. No. 1279. Sarahan bazaar.

271633. *VETIVERIA ZIZANIODES* (L.) Nash Poaceae.

Col. No. 1027. Eighteen km. north of Karmola. Bunchgrass to two meters high.

271634. *VICIA FABA* L. Fabaceae. **Broadbean.**

Col. No. 1192. Palanpur bazaar.

271635 and 271636. *VIGNA SINENSIS* (Torner) Savi Fabaceae. **Cowpea.**

271635. Col. No. 1175. Palanpur bazaar.

271636. Col. No. 1296. Sarahan bazaar.

271637 to 271642. *ZEA MAYS* L. Poaceae. **Corn.**

271637. Col. No. 1064A. Twenty-five km. up Lolab valley. Flint type.

271638. Col. No. 1080. Nine km. above Pahlgam. Elevation 2,700 meters. Cob small, conical; seeds white and yellow, flint type.

271639. Col. No. 1081. Nine km. above Pahlgam. Elevation 2,700 meters. Cob small, conical; seeds purple and yellow.

271640. Col. No. 1127. Edge of cornfield and terrace wall, eight km. from Dalhousie. Ear long, stout, conical; seed mostly white, flint type.

271641. Col. No. 1278. Sarahan bazaar.

271642. Col. No. 1280. Sarahan bazaar.

271643 to 271645. *VITIS VINIFERA* L. Vitaceae.

European grape.

From Italy. Cuttings presented by the Instituto di Frutticoltura, Rome. Received Feb. 6, 1961.

271643. 'Delizia di Vaprio IP. 46 A'.

271644. 'Diamente Nero IP. 87'.

271645. 'Maria Pirovano IP. 165'.

271646 to 271648.

From Japan. Seeds presented by the Aritaki Arboretum, Koshigaya-Machi, Saitama-Ken. Received Feb. 7, 1961.

271646. *CLEMATIS ALPINA* var. *OCHOTENSIS* (Pall.) O. Kuntze Ranunculaceae.

271647. *CLEMATIS FUSCA* Turcz.

271648. *CLEMATIS MAXIMOWICZIANA* Franch. et Savat.

271649 to 271652. HIBISCUS SYRIACUS L. Malvaceae.**Shrub-althea.**

From France. Plants purchased from F. Delaunay, Angers. Received Feb. 7, 1961.

271649. 'Albus Plenus'.

271651. 'Comte de Hainaut'.

271650. 'Carneus Plenus'.

271652. 'Grandiflorus Superbus'.

271653 to 271657.

From Great Britain. Plants purchased from the Richmond Nurseries, Windlesham, Surrey, England. Received Feb. 8, 1961.

271653 and 271654. SKIMMIA JAPONICA Thunb. Rutaceae.

Japanese skimmia.

271653. 'Fragrans'.

271654. 'Oblata'.

271655. SKIMMIA JAPONICA var. VEITCHII (Carr.) Rehder.

271656. SKIMMIA REEVESIANA Fortune.

271657. VIBURNUM (hybrid). Caprifoliaceae.

'Anne Russell'.

271658. PYRUS COMMUNIS L. Malaceae.

From Great Britain. Budsticks presented by the East Malling Research Station, East Malling, Kent, England. Received Feb. 9, 1961.

'Comice B363'. Virus free.

271659 to 271662. VITIS VINIFERA L. Vitaceae.**European grape.**

From Germany. Cuttings presented by the Institut für Rebenzüchtung und Rebenveredlung der Hess, Obst- und Gartenbau, Geisenheim. Received Feb. 9, 1961.

271659. 'Rupestris G.9'.

271660. 'Rupestris H.G. 9'.

271661. 'Rupestris de Lot'.

271662. 'Rupestris Tiefenbach'.

271663 to 271665. VITIS VINIFERA L. Vitaceae.**European grape.**

From Yugoslavia. Cuttings presented by the United States Operations Mission, Belgrade. Received Feb. 9, 1961.

271663. 'Bajan Sirej'.

271664. 'Nimrang'.

271665. 'Saperavi'.

271666 to 271668.

From Mexico. Seeds presented by the Syntex Corp., Mexico City. Collected in 1959 and 1960. Received Feb. 10, 1961.

271666. DIOSCOREA COMPOSITA Hmsl. Dioscoreaceae.

271667. DIOSCOREA FLORIBUNDA Mart. & Gal.

'Mart Et Gal'.

271668. DIOSCOREA SPICULIFLORA Hmsl.

'Chiapasana Gomez Pompa'.

271669. AGAPANTHUS sp. Liliaceae.

From the Union of South Africa. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 10, 1961.

Col. No. 19157. Pretoria.

271670 and 271671.

From Kenya. Seeds presented by the Grassland Research Station, Kitale.
Received Feb. 10, 1961.

271670. *TRIFOLIUM POLYSTACHYUM* Fres. Fabaceae.

No. K 561. Occurs on swampy ground.

271671. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.

K-53384.

271672. ORYZA SATIVA L. Poaceae.**Rice.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Feb. 10, 1961.

'Taichung No. 1'.

271673 to 271680.

From Great Britain. Plants purchased from Toynbee's Nurseries, Barnham, Sussex, England. Received Feb. 10, 1961.

271673 to 271676. *CEANOTHUS* (hybrids). Rhamnaceae.

271673. 'A.T. Johnson'.

271674. 'Autumnal Blue'.

271675. 'Indigo'.

271676. 'Russellianus'.

271677. *CEANOTHUS IMPRESSUS* Trelease

271678. *HIBISCUS* (hybrid). Malvaceae.

'Croftway'.

271679. *HIBISCUS* sp.

271680. *PYRACANTHA* (hybrid). Malaceae.

'Knaphill Lemon'.

271681 to 271698.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Feb. 10, 1961.

271681. *CAMELLIA* (hybrid). Theaceae.

'Winton'. Received as 'Cornish Snow Winton'.

271682. *CAMELLIA TALIENSIS* (W.W.Sm.) Melch.

271683. *CAMELLIA TSAI* Hu.

271684 and 271685. *CAMELLIA* × *WILLIAMSII* W. W. Smith

271684. 'Hiraethlyn'.

271685. 'St. Ewe'.

271686 and 271687. *CARYOPTERIS* (hybrids). Verbenaceae.

271686. 'Ferndown'.

271687. 'Heavenly Blue'.

271688. *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds

271689. *CARYOPTERIS INCANA* (Thunb.) Miquel

Common bluebeard.

271690. *CLEMATIS COLENSOI* Hook. f. Ranunculaceae.

271691. *CLEMATIS GENTIANOIDES* DC.

271692. *CLEMATIS HENRYII* Hort.

271693. *CLEMATIS INDIVISA* var. *LOBATA* Hook.

271681 to 271698—Continued

271694. *CLEMATIS MEYENIANA* Walpers
 271695. *CLEMATIS UNCINATA* Champ.
 271696. *CLEMATIS* × *VEDRARIENSIS* Vilmorin
 271697. *LEUCOTHOE DAVISIAE* Torrey Ericaceae.
 271698. *SKIMMIA* × *FOREMANII* var. *ROGERSII* (Masters) Rehder Rutaceae.
 'Nana'.

271699 and 271700.

From Ecuador. Seeds collected by E. P. Imle, American Cocoa Research Institute, Washington, D.C. Received Feb. 10, 1961.

271699. *CARICA CHRYSOPETALA* Heilborn Caricaceae.
 Col. No. 115. 'Chamburo'. Quito garden. Elevation 9,500 feet. Leaves dentate; stems many branched; fruits five ribbed, seven inches long, fragrant; pulp around seeds edible. Has some frost tolerance.
 271700. *PASSIFLORA TRIPARTITA* (Juss.) Poir. Passifloraceae.
 Col. No. 117. 'Taxo'. Quito market. Fruit thin skinned, to four inches long; pale green to creamy white, watermelon shaped. Pulp around seed is orange colored.

271701 to 271720. CORYLUS AVELLANA L. Betulaceae. Filbert.

From Yugoslavia. Cuttings presented by the Institut za Vocarstvo, Cacak. Received Feb. 15, 1961.

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| 271701. 'Apolo Stupnik'. | 271711. 'Ivesov Duguljasti'. |
| 271702. 'Blumberger'. | 271712. 'Kralj Princeza'. |
| 271703. 'Bolob'. | 271713. 'Ludolf'. |
| 271704. 'Bolbiler'. | 271714. 'Mogul'. |
| 271705. 'Comune'. | 271715. 'Multiflorum'. |
| 271706. 'Con Frutto Grosso'. | 271716. 'Prugasti'. |
| 271707. 'Con Pericarlo Bianco'. | 271717. 'Sadlinger'. |
| 271708. 'Fihrtverder'. | 271718. 'Svetogorski Duguljasti'. |
| 271709. 'Francuski'. | 271719. 'Snitov Lambert'. |
| 271710. 'Heleski Orijaska'. | 271720. 'Tankoljaskasti'. |

271721 to 271729. SACCHARUM (hybrids.) Poaceae.**Sugarcane.**

From Indonesia. Cuttings presented by the Balai Penyelidikan Perusahaan Gula, Pasuruan. Received Feb. 15, 1961.

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| 271721. 3086 POJ. | 271726. 3139 POJ. |
| 271722. 3101 POJ. | 271727. 3140 POJ. |
| 271723. 3126 POJ. | 271728. 3141 POJ. |
| 271724. 3137 POJ. | 271729. 3142 POJ. |
| 271725. 3138 POJ. | |

271730. AGAPANTHUS sp. Liliaceae.

From the Union of South Africa. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 15, 1961.

Col. No. 19122. Moist rocky slope, Garcia Pass, Riverdale District, C.P. Elevation 2,000 feet. Flowers dark purple, growing in dense clusters.

271731 to 271745. SACCHARUM (hybrids). Poaceae.**Sugarcane.**

From the United States. Experiment Station, Hawaii Sugar Planters' Association, Honolulu, Hawaii. Received Feb. 15, 1961.

271731. H. 59-9936.	271739. H. 59-9966.
271732. H. 59-9957.	271740. H. 59-9968.
271733. H. 59-9959.	271741. H. 59-9969.
271734. H. 59-9960.	271742. H. 59-9974.
271735. H. 59-9961.	271743. H. 59-9983.
271736. H. 59-9962.	271744. H. 59-9984.
271737. H. 59-9963.	271745. H. 59-9986.
271738. H. 59-9965.	

271746. FERRARIA sp. Iridaceae.

From the Union of South Africa. Roots collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 15, 1961.

Col. No. 18628. Picketburg Mountain, Cape Province. Collected Oct. 10, 1960. Perennial herb to 10 inches high; corolla fimbriate.

271747 to 271749. CITRULLUS LANATUS (Thunb.) Mansf.**Cucurbitaceae.****Watermelon.**

From Afghanistan. Seeds collected by the United States Operations Mission, Lashkar Gah. Received Feb. 16, 1961.

271747. No. 1. Melon striped, round, weighing about 20 pounds; flesh fairly firm and full.
271748. No. 2. Melon dark green, nearly round, weighing about 20 pounds.
271749. No. 3. Melon gray colored, similar to 'Charleston Gray', nearly round; weighing about 20 pounds.

271750 to 271752. CITRULLUS LANATUS (Thunb.) Mansf.**Cucurbitaceae.****Watermelon.**

From Ghana. Seeds presented by the United States Operations Mission, Accra. Received Feb. 16, 1961.

271750. No. 1. From Zuarungu, north Ghana.
271751. No. 2. From Zuarungu, north Ghana.
271752. No. 3. Melon dark and light green, oval and elongated. From Aburi and Akotoky, cape coast.

271753 and 271754. CUCUMIS SATIVUS L. Cucurbitaceae.**Cucumber.**

From the Netherlands. Seeds presented by the Plant Breeding Institute, Wageningen. Received Feb. 16, 1961.

271753. 'Baarlose Nietplekkers, Ras Tercken VII'. Pickling cucumber. Fruits green to pale green, long, slender, straight, with fine black hairs. Very susceptible to mosaic. Resistant to scab races 6 and 7.
271754. 'Guntruud'. Dark green pickling cucumber. Cross between 'Tokyo Long Green' and 'Baarlose Nietplekker'. Plant vigorous, later than 'Baarlose Nietplekker'; fruit similar but broader and more distinctly furrowed at stem end; surface somewhat warty and fine haired. Resistant to scab and highly resistant to mosaic.

271755 to 271757. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

From Spain. Seeds presented by the United States Embassy, Madrid. Received Feb. 16, 1961.

271755. 'Amarillo'.

271756. 'Tendral'.

271757. 'Villaconejos'.

271758. CITRUS sp. Rutaceae.

From Israel. Seeds presented by the Agricultural Research Station, Beit Dagan, Rehovot. Received Feb. 16, 1961.

'Ovali'.

271759 to 271765. SECHIUM EDULE (Jacq.) Sw. Cucurbitaceae.**Chayote.**

From Costa Rica. Fruits presented by the Facultad de Agronomia, University of Costa Rica, San Jose. Received Feb. 17, 1961.

271759. No. 1.

271763. No. 5.

271760. No. 2.

271764. No. 6.

271761. No. 3.

271765. No. 7.

271762. No. 4.

271766 to 271781.

From the Union of South Africa. Seeds presented by the Division of Horticulture, Department of Agriculture, Pretoria. Received Feb. 17, 1961.

271766 to 271779. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.

Watermelon.

271766. P.H.R.S. No. 12.

271767. P.H.R.S. No. 13. 'Tsamnia'.

271768. P.H.R.S. No. 14. 'Karkaer'.

271769. P.H.R.S. No. 15. 'Karkaer'.

271770. P.H.R.S. No. 16.

271771. P.H.R.S. No. 17.

271772. P.H.R.S. No. 18. Fruit bitter.

271773. P.H.R.S. No. 19.

271774. No. 4. Plant in wild; fruit bitter. Collected 1959, near Kimberly.

271775. No. 82257. 'Kaffir'. Grown for making jam by canning factories.

271776. No. W4-3. Pretoria Horticultural Research Station.

271777. No. W4-4. Pretoria Horticultural Research Station.

271778. No. 13. Hybrid melon from Nelspruit.

271779. No. 14. Hybrid melon from Nelspruit.

271780 and 271781. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

271780. 'Homestead'.

271781. 'Red Kahki'.

271782. ALLAMANDA CATHARTICA L. Apocynaceae.

From Great Britain. Sicons presented by the Royal Botanic Garden, Kew, England. Received Feb. 17, 1961.

'Grandiflora'.

271783 to 271800.

From Great Britain. Plants purchased from the Toldsworth Nursery, Woking, Surrey, England. Received Feb. 17, 1961.

271783. *ANDROMEDA* (hybrid). Ericaceae.
'Wakehurst Form'.
271784. *ANDROMEDA POLIFOLIA* L.
271785. *ANDROMEDA* sp. (Willd.) Pollard.
271786. *CERCIS SILIQUASTRUM* L. Caesalpiniaceae. Judas-tree.
'Rubrum'.
- 271787 and 271788. *CORNUS ALBA* L. Cornaceae. Tatarian dogwood.
271787. 'Elegantissima'.
271788. 'Spaethii Aurea'.
271789. *CORNUS ALBA* var. *SIBERICA* Loddiges ex Loudon
'Argentea Variegata'.
- 271790 and 271791. *EMBOTHRIUM COCCINEUM* Forst. Proteaceae. Notro.
271790. No data.
271791. 'Lanceolatum'.
- 271792 to 271794. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.
271792. Pink.
271793. Red.
271794. White.
271795. *MAGNOLIA DENUDATA* Desr. Yulan.
'Picture'.
271796. *MAGNOLIA SIEBOLDII* K. Koch Oyama magnolia.
271797. *MAGNOLIA SINENSIS* (Rehd. & Wils.) Stapf
- 271798 to 271800. *SKIMMIA JAPONICA* Thunb. Rutaceae. Japanese skimmia.
271798. No data.
271799. 'Fisheri'.
271800. 'Wisley Red'.

271801 to 271808.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Feb. 20, 1961.

271801. *CERCIS RACEMOSA* Oliver Caesalpiniaceae.
- 271802 to 271804. *HIBISCUS SINOSYRIACUS* L. H. Bailey Malvaceae.
271802. A.
271803. B.
271804. C.
271805. *PIERIS FLORIBUNDA* (Pursh.) Benth. & Hook. f. Ericaceae.
271806. *PIERIS FORRESTII* Harrow ex W. W. Smith
'Jermyns'.
271807. *VIBURNUM GRANDIFLORUM* Wall. Caprifoliaceae.
271808. *VIBURNUM* × *BURKWOODII* Burk. & Skipw.
'Park Farm Hybrid'.

271809 and 271810. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.

From Switzerland. Cuttings presented by the Sous-Station Federale d'Essais Agricoles, Chateauneuf par Pont-de-la-Morge, Sion, Valais. Received Feb. 21, 1961.

271809. 'Luizet'.

271810. 'Poviot'.

271811. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Mexico. Cuttings presented by the Instituto para el Mejoramiento de la Produccion de Azucar, Balderas. Received Feb. 21, 1961.

C.P. 33-229 × C.P. 33-224. MEX. 52-56.

271812 to 271826. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Experimental Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received Feb. 23, 1961.

271812. H. 58-9801.

271820. H. 59-9988.

271813. H. 58-9803.

271821. H. 59-9989.

271814. H. 58-9806.

271822. H. 59-9990.

271815. H. 58-9807.

271823. H. 59-9991.

271816. H. 58-9814.

271824. H. 59-9993.

271817. H. 58-9816.

271825. H. 59-9994.

271818. H. 58-9817.

271826. H. 59-9995.

271819. H. 59-9987.

271827 to 271830.

From the Union of South Africa. Bulbs presented by the Division of Horticulture, Department of Agriculture, Pretoria. Received Feb. 23, 1961.

271827. GLADIOLUS CARDINALIS Curtis Iridaceae.

271828. GLADIOLUS ELLIOTI Baker

271829. GLADIOLUS PERMEABILIS Delar.

271830. GLADIOLUS TRISTIS L.

271831. MALUS YUNNANENSIS (Franch.) Schneid. Malaceae.

From Germany. Scions presented by W. Kordes Sohne, Rechnung. Received Feb. 23, 1961.

'Vilmorin'.

271832 to 271835.

From the Union of South Africa. Bulbs collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 23, 1961.

271832. WATSONIA sp. Iridaceae.

Col. No. 18856. Five miles southeast of Buffeljagt, Bredasdorp District, Cape Province. Elevation 500 feet. Tuberos herb to 40 cm. high with raceme of bright red flowers.

271833. WATSONIA sp.

Col. No. 18892. Near Kruisvalle, Knysna District, Cape Province. Elevation 3,000 feet. An old brush burn colony with variable colors, mostly pink tube and white limb.

271832 to 271835—Continued271834. *WATSONIA* sp.

Col. No. 18895. Twenty miles west of Humansdorp, Cape Province. Vigorous clone with large bright orange flowers.

271835. *WATSONIA* sp.

Col. No. 19131. Karreedouw Pass, Humansdorp District, Cape Province. Elevation 1,000 feet. Rare white-flowered form from vigorous rosettes on stout, long, flowering spikes.

271836 to 271838.

From Switzerland. Plants purchased from Herman Zulauf, Schinznach-Dorf. Received Feb. 27, 1961.

271836. *CORNUS ALBA* L. Cornaceae. Tatarian dogwood.
'Spaethii'.271837. *HIBISCUS* (hybrid). Malvaceae.
'Zulauf'.271838. *PYRACANTHA* (hybrid). Malaceae.
'Bad Zwischenahn'.**271839 to 271860. SACCHARUM (hybrids). Poaceae.****Sugarcane.**

From Fiji. Cuttings presented by the Colonial Sugar Refining Company Limited, Lautoka. Received Feb. 27, 1961.

271839. 'FIJI 12'.	271850. 'FIJI 49'.
271840. 'FIJI 15'.	271851. 'FIJI 50'.
271841. 'FIJI 16'.	271852. 'FIJI 51'.
271842. 'FIJI 22'.	271853. 'FIJI 53'.
271843. 'FIJI 31'.	271854. 'FIJI 55'.
271844. 'FIJI 36'.	271855. 'FIJI 56'.
271845. 'FIJI 27'.	271856. 'FIJI 57'.
271846. 'FIJI 41'.	271857. 'FIJI 58'.
271847. 'FIJI 45'.	271858. 'FIJI 60'.
271848. 'FIJI 46'.	271859. 'FIJI 61'.
271849. 'FIJI 48'.	271860. 'FIJI 62'.

271861. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Ecuador. Seeds collected by E. P. Imle, collaborator, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 27, 1961.

At equator, 350 feet from LaCondamine Monument, Quito. Elevation 7,600 feet. Plant old, large, shows much red pigmentation.

271862. CLEMATIS GENTIANOIDES DC. Ranunculaceae.

From Australia. Seeds presented by the Tasmanian Regional Laboratory, Hobart, Tasmania. Received Feb. 27, 1961.

Collected on Mt. Nelson.

271863. ANAPALINA sp. Iridaceae.

From the Union of South Africa. Corms collected by A. S. Barclay, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md.

Col. No. 938. Plettenberg Bay-Uniondale road, northwest of the bay. Perennial herb; corms covered with fibrous twine; flowers reddish.

271864 to 271866.

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Numbered Feb. 27, 1961.

271864. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**
 Separate from P.I. 251194. Originally from Durmitor, Montenegro.
271865. *TRIFOLIUM REPENS* L. **Whiteclover.**
 Separate from P.I. 204524. Originally from Kurbagali, Turkey.
271866. *TRIFOLIUM REPENS* L. **Whiteclover.**
 Separate from P.I. 251852. Originally from Florence, Italy.

271867 to 271869. VITIS (hybrids). Vitaceae.

From Germany. Cuttings presented by the Forschungs-Institut für Rebenzuchtung Ceilweilerhof, Sieboldingen. Received Feb. 28, 1961.

271867. F.S. 4-195-39. 'Dr. Decker-Rebe'.
 271868. F.S. 4-201-39. Fan leaf.
 271869. F.S. 4-201-39.

271870 to 271881.

From Japan. Seeds presented by the Botanical Garden of Osaka City University, Osaka. Received Feb. 28, 1961.

271870. *ACER ARGUTUM* Maxim. Aceraceae.
 271871. *ACER CARPINIFOLIUM* Sieb. & Zucc. **Hornbeam maple.**
 271872. *ACER CRATAEGIFOLIUM* Sieb. & Zucc.
 271873. *ACER MONO* Maxim.
 271874. *CAMELLIA OLEIFERA* Abel. Theaceae.
 271875. *CLEYERA JAPONICA* Thunb. Theaceae.
 271876. *HOVENIA DULCIS* Thunb. Rhamnaceae. **Raisin tree.**
 271877. *LAGERSTROEMIA AMABILIS* Makino Lythraceae.
 271878. *LAGERSTROEMIA SUBCOSTATA* Koehne
 271879. *STEWARTIA MONADELPHA* Sieb. & Zucc. Theaceae.
 271880. *TERNSTROEMIA GYMNANTHERA* (Wight & Arn.) Sprague Theaceae.
 271881. *VITEX ROTUNDIFOLIA* Linn. f. Verbenaceae.

271882 and 271883. HIBISCUS CANNABINUS L. Malvaceae.**Kenaf.**

From Mexico. Seeds presented by the Municipio of Chalchihuitan, Chiapas. Received Feb. 28, 1961.

271882. No. 1.
 271883. No. 2.

271884. ROGERIA ADENOPHYLLA J. Gay Pedaliaceae.

From Nigeria. Seeds presented by the Federal Agricultural Research Station, Norro Plantation, Ibadan. Received Feb. 28, 1961.

271885 to 271892. ORYZA SATIVA L. Poaceae. **Rice.**

From Hungary. Seeds presented by the Institut National d'Agrobotanique, Tapioszele. Received Feb. 28, 1961.

271885. 'Kaka Gyongye'. 271887. 'Kakai 272/54'.
 271886. 'Kakai 26'. 271888. 'Kakai Korai'.

271885 to 271892—Continued

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| 271889. 'Szaniszlo 1'. | 271891. 'Szelenyi 1742'. |
| 271890. 'Szaniszlo 2'. | 271892. 'Varsanyhelyi'. |

271893. ELYMUS ANGUSTUS Trin. Poaceae.

From Canada. Seeds presented by the Canadian Department of Agriculture, Swift Current, Saskatchewan. Received Feb. 28, 1961.
'Altai'.

271894 to 271898. TRITICUM DURUM Desf. Poaceae.

Durum wheat.

From Italy. Seeds presented by the Laboratorio Genetica Vegetale, Rome. Received Feb. 28, 1961.

271894. 'Azizia'. Plants moderately tall, early, moderately good yielder, spring habit, low rust resistance; kernels small, good quality.
271895. 'Capeiti'. Plants moderately tall, early, spring habit, high yielding, moderately rust resistant; straw strong; kernel small, low quality.
271896. 'Cappelli'. Plants tall, late, semi-spring habit, low yielding, moderately rust resistant; straw moderately strong; kernel large, high quality.
271897. 'Etrusco'. Plants tall, late, semi-winter habit; kernel very large.
271898. 'Grifoni'. Plants moderately tall, early, spring habit, high yielding, susceptible to cold, low rust resistance; kernel medium size, low quality.

271899. OLEARIA OLEIFOLIA T. Kirk. Asteraceae.

From Great Britain. Plant presented by Stewarts Nurseries, Ferndown, Dorset, England. Received Feb. 28, 1961.

271900 to 271908.

From France. Plants purchased from Pepinieres R. Travers, Saint-Jean-le-Blac, Orleans. Received Feb. 28, 1961.

271900 to 271906. CLEMATIS (hybrids). Ranunculaceae.

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| 271900. 'Bagatelle'. | 271904. 'Ville de Paris'. |
| 271901. 'Lord Gifford'. | 271905. 'Xerces'. |
| 271902. 'Mme. Von Houtte'. | 271906. 'Yvette Houry'. |
| 271903. 'Ville de Limoges'. | |

271907. CLEMATIS × JACKMANII Th. Moore **Jackman clematis.**
'Alba'.

271908. CLEMATIS VITICELLA L. **Italian clematis.**
'Coerulea'.

271909 to 271931. CORYLUS AVELLANA L. Betulaceae. Filbert.

From Yugoslavia. Budsticks presented by the Univerza v Ljubljani Fakulteta za Agronomijo, Gozdarstvo in Veterinarstvo, Ljubljana, Krekov trg 1. Received Feb. 28, 1961.

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| 271909. 'A Guscio Tenerd'. | 271914. 'Daviana'. |
| 271910. 'Afrutto Grosso'. | 271915. 'Di Barcelona'. |
| 271911. 'Apolda'. | 271916. 'Di Heynich'. |
| 271912. 'Bandnus'. | 271917. 'Du Bearn'. |
| 271913. 'Cosford a Guscio Tenero' | 271918. 'Englische Zellernus'. |

271909 to 271931—Continued

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| 271920. 'Gentile Di Viterbo'. | 271926. 'Novi Debeloplodni'. |
| 271919. 'Fruhe Nottingham'. | 271927. 'Romusche Zellernus'. |
| 271921. 'Hallesche Riesennus'. | 271928. 'Rotblattrige Lambertsnus'. |
| 271922. 'Kaiser Hasel von Trapezunt'. | 271929. 'Rotfrichtinge Zellernus'. |
| 271923. 'Lamberts Filbert'. | 271930. 'Webbs Preisnus'. |
| 271924. 'Lange Zellernus'. | 271931. 'Wunder aus Bollweiler'. |
| 271925. 'Minnas Zellernus'. | |

271932 to 271934.

From the Union of South Africa. Seeds presented by the United States Embassy, Pretoria. Received March 2, 1961.

271932. *GLADIOLUS ELLIOTII* Baker Iridaceae.
 271933. *GLADIOLUS LEICHTLINII* Baker
 271934. *GLADIOLUS MELLERI* Baker

271935. CLEMATIS ARISTATA R.Br. Ranunculaceae.

From Australia. Seeds presented by the Tasmanian Regional Laboratory, Hobart, Tasmania. Received March 2, 1961.

271936. PISUM ELATIUS Bieb. Fabaceae. Mediterranean pea.

From Sweden. Seeds presented by the Plant Breeding Institute, Weibullsholm, Landskrona. Received March 2, 1961.

L 805/5g.

271937 to 271939.

From Belgium. Seeds presented by the Ministère de Agriculture, Jardin Botanique de l'Etat, Bruxelles. Received March 2, 1961.

271937. *LACTUCA SATIVA* L. Cichoriaceae.
 271938. *LACTUCA SERRIOLA* L.
 271939. *LACTUCA VIROSA* L.

271940 to 271944.

From Czechoslovakia. Seeds presented by the Botanická Zahrada University Karlovy, Praha. Received March 2, 1961.

271940. *LACTUCA PERENNIS* L. Cichoriaceae.
 271941. *LACTUCA SAGITTATA* Waldst. & Kit.
 271942 to 271944. *LACTUCA SERRIOLA* L.

271942. No data.

271943. Rigio inter oppidie Krielupy.

271944. Urlis Praha.

271945 and 271946.

From Sweden. Seeds presented by the Hortus Botanicus Universitatis, Uppsala. Received March 2, 1961.

271945. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.
 'Atropurpurea'.
 271946. *LACTUCA PERENNIS* L.

271947 to 271971.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 2, 1961.

271947. *CASTALIS NUDICAULIS* (L.) Norl. Asteraceae.

Col. No. 18727. Burned-over coarse granitic soil, Dutorts Kloof, 20 miles west of Worcester. Elevation 2,500 feet. Plants erect, stout-stemmed perennial, to 12 inches high, with two to five terminal heads; achenes fairly persistent.

271948. *CASTALIS NUDICAULIS* var. *GRAMINIFOLIA* (L.) Norl.

Col. No. 18757. Stony conglomerate, four miles northwest of Worcester, Cape Province. Elevation 2,000 feet. Low, spreading perennial to 10 inches high; branches erect.

271949. *CASTALIS* sp.

Col. No. 18858. Limestone hill near sea, Alguhas Point, Bredasdorp District, Cape Province. Straggly perennial with few, long-peduncled, single floral heads.

271950 to 271954. *CHRYSANTHEMOIDES MONILIFERA* (L.) Norl. Asteraceae.

271950. Col. No. 18703. Granitic slope near sea, upper Cloofnek road, Cape Town. Spreading, single-stemmed shrub to three feet high; leaves succulent; flowers yellow.

271951. Col. No. 18779. Fairy Glen, eight miles northeast of Worcester. Large, leafy, hemispherical shrub; achenes fleshy on drooping peduncles.

271952. Col. No. 18842. Roadside in silty bottom soil, eight miles west of Bredasdorp. Shrubs abundant, to six feet high; flowers yellow; immature fruits green, turning yellow to red when ripe.

271953. Col. No. 18955. Prince Albert's Pass, Uniondale District, Cape Province. Elevation 3,000 feet. Plant large leafy shrub.

271954. Col. No. 18922. 'Angustifolia'. River bank silt, Tarka River, Cookhouse-Cradock Road, Cape Province. Elevation 2,500 feet. Rhizomatous leafy perennial drooping in masses down bank; flowers yellow; fruits green, yellow, red.

271955 and 271956. *DIMORPHOTHECA PLUVIALIS* (L.) Moench. Asteraceae.

271955. Col. No. 18772. Kirstenbosch Botanic Gardens, Cape Town. Ornamental annual.

271956. Col. No. 18773. Kirstenbosch Botanic Gardens, Cape Town. Ornamental annual.

271957. *DIMORPHOTHECA SINUATA* DC.

Blue-eyed cape-marigold.

Col. No. 18771. Kirstenbosch Botanic Gardens, Cape Town. Ornamental annual.

271958. *DIMORPHOTHECA* sp.

Col. No. 18862. Sandy soil above beach, Alguhas Point, Bredasdorp District, Cape Province. Spreading annual with few flower heads.

271959. *OSTEOSPERMUM AMPLECTENS* (Harv.) Norl. Asteraceae.

Col. No. 18770. Kirstenbosch Botanic Gardens, Cape Town. Annual.

271960. *OSTEOSPERMUM CORYMBOSUM* L.

Col. No. 18963. Burned over maqui, Garcia Pass, 11 miles north of Riverdale, Cape Province. Elevation 2,500 feet. Virgate annual to seven feet high; leaves large, imbricated, on long tapering stem, topped with spreading paniculate umbels of yellow flowers.

271947 to 271971—Continued**271961. OSTEOSPERMUM HAFSTROEMII** Norl.

Col. No. 18857. Among sand and rocks at sea level, below lighthouse, Alguhas Point, Bredasdorp District, Cape Province. Prostrate or decumbent perennial herb; leaves thick, succulent.

271962. OSTEOSPERMUM HYOSEROIDES (DC.) Norl.

Col. No. 18769. Kirstenbosch Botanic Gardens, Cape Town. Ornamental annual.

271963 and 271964. OSTEOSPERMUM IMBRICATUM L.

271963. Col. No. 18935. Two miles east of Coega, Grahamstown road. Elevation 75 feet. Low, spreading, open perennial; branches ericoid, virgate; flower heads small, yellow.

271964. Col. No. 19044. Stony ground between Napier and Bredasdorp, Cape Province. Elevation 250 feet. Erect perennial with ericoid habit; flowers yellow; seed scant.

271965. OSTEOSPERMUM JUNCEUM Berg.

Col. No. 18950. Prince Alfred's Pass, Uniondale District, Cape Province. Elevation 3,000 feet. Plant semi-woody, to 10 feet high; leaves thick, ovate; peduncles long; flowers racemose, yellow.

271966. OSTEOSPERMUM MURICATUM E. Mey.

Col. No. 18916. Valley plain 23 miles west of Queenstown, road to Tarkastad. Elevation 3,700 feet. Polypodial bush to 12 inches high; flowers small, few, yellow.

271967. OSTEOSPERMUM SCARIOSUM DC.

Col. No. 18927. Rocky slope, between railroad and highway, Middleton, Somerset, Cape Province. Erect perennial herb to 24 inches high; crown open; flowers yellow; fruit winged, in heads.

271968 and 271969. OSTEOSPERMUM SPINESCENS Thunb.

271968. Col. No. 18980. Rocky ground, Fairy Glen, Worcester, Cape Province. Elevation 2,000 feet. Spiny, intricately branched, perennial to five feet high; flowers small, yellow.

271969. Col. No. 18746. Veld Reserve, Worcester, Cape Province. Shrubby bushlet experimentally cultivated as range browse.

271970 and 271971. OSTEOSPERMUM SPINOSUM L.

271970. Col. No. 18787. Sandy valley soil, Brand Vlei, eight miles southeast of Worcester, Cape Province. Spiny shrub, intricately branched, to three feet high; flowers small, bright yellow.

271971. Col. No. 18792. Eselsjachte, Worcester, Cape Province. Shrub erect; flowers and seeds few.

271972 to 271980.

From Japan. Seeds presented by the Department of Agriculture, Ehime University, Matuyama. Received March 2, 1961.

271972 to 271974. CLEMATIS APIIFOLIA DC. Ranunculaceae.

From Iyo Province.

271972. Collected at Ozu Si, Kitagun.

271973. Collected at Hojo Si, Onsen-Gun.

271974. Collected at Bisen Mura, Kami-ukena Gun.

271975. CLEMATIS PIEROTII Miq.

Collected at Mt. Sasayama Minami-uwa Gun. Elevation 1,000 meters.

271972 to 271980—Continued

271976 and 271977. *CLEMATIS TOSAENSIS* Makino

271976. Collected at Bisen Mura, Kami-ukena Gun.

271977. Collected at Mt. Myozinyamo, Yanagidani, Kami-ukena Gun.

271978. *CLEMATIS APIIFOLIA* DC.

Collected at Ozu Si, Kitagun.

271979. *CLEMATIS MAXIMOWICZIANA* Fr. & Sav.

Collected at Hojo Si, Onsen Gun.

271980. *CLEMATIS MAXIMOWICZIANA* Fr. & Sav.

Collected at Ozu Si, Kitagun.

271981 to 271988. *CITRULLUS LANATUS* (Thunb.) Mansf. **Watermelon.**
Cucurbitaceae.

From Somalia. Seeds presented by the United States International Cooperation Administration, Mogadiscio. Received March 2, 1961.

271981. No. 1.

271982. No. 2. Fruit sweet; flesh white. Collected at Mogadiscio.

271983. No. 3. Sweet Italian variety; flesh white. Collected near Mogadiscio.

271984 to 271988. Collected at Villabruzzi.

271984. 'Campo Arviazioni No. 1'.

271985. 'Campo Arviazioni No. 2'.

271986. 'Care Hamau'.

271987. 'Galca Moico No. 1'.

271988. 'Galca Moico No. 2'.

271989 to 271993.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received March 2, 1961.

271989. *NICOTIANA AMPLEXICAULIS* Burbidge Solanaceae.

No. T.S. 111-C. 1068. Carnarvon Range, Queensland.

271990. *NICOTIANA CAVICOLA* Burbidge

No. T.S. 202-C. 1069. Meekatharra, Western Australia.

271991. *NICOTIANA HESPERIS* Burbidge

No. T.S. 337-C. 1070. Carnarvon, Western Australia.

271992. *NICOTIANA SIMULANS* Burbidge

No. T.S. 311-C. 1071. Mundiwindi, Western Australia.

271993. *NICOTIANA UMBRATICA* Burbidge

No. T.S. 301-C. 1072. Woodstock, Western Australia.

271994 to 272007. *PHASEOLUS VULGARIS* L. Fabaceae.

From Spain. Seeds presented by the United States Operations Mission, Madrid. Received March 2, 1961.

271994. No. 225. 'Esperanza de Leon'.

271995. No. 234. 'Borriol'.

271996. No. 236. 'Ramet'.

271997. No. 248. 'De Enrame'.

271994 to 272007—Continued

271998. No. 257. 'Garrofon'.
 271999. No. 267. 'Pequenas'.
 272000. No. 355. 'Troncon'.
 272001. No. 402. 'De Cuadro'.
 272002. No. 405-3-50. 'Blanquinas'.
 272003. No. 430-1-50. 'Blanca de Alcala'.
 272004. No. 437-5-50. 'Cortas'.
 272005. No. 446-2-51. 'Blanca de Zaragoza'.
 272006. No. 453-2-51. 'Barbarruna'.
 272007. No. 480-3-51. 'Blanca de Almendros'.

272008 to 272019.

From Australia. Seeds presented by the Department of Agriculture, Sydney.
 Received March 3, 1961.

272008. *AESCHYNOMENE FALCATA* (Poir.) DC. Fabaceae.
 Summer legume, possibly for our Gulf Coast.
272009. *CROTALARIA GOREENSIS* Guill. & Perr. Fabaceae.
 Nontoxic to guinea pigs; effects on cattle unknown.
272010. *CROTALARIA LANCEOLATA* E. Mey.
 Nontoxic to guinea pigs; effects on cattle unknown.
272011. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.
 Summer legume, possibly for our Gulf Coast.
272012. *DESMODIUM TORTUOSUM* (Sw.) DC.
 Summer legume, possibly for our Gulf Coast.
272013. *DESMODIUM UNCINATUM* (Jacq.) DC.
 Summer legume, possibly for our Gulf Coast.
272014. *DOLICHOS AXILLARIS* E. Mey. Fabaceae.
 Summer legume, possibly for our Gulf Coast.
272015. *LOTONONSIS BAINESII* Baker Fabaceae.
 Summer legume, possibly for our Gulf Coast.
272016. *PSORALEA BITUMINOSA* L. Fabaceae. Scurf-pea.
272017. *TRIFOLIUM SUBTERRANEUM* L. Fabaceae. Subterranean clover.
 'Clare'. Rust-resistant, early-maturing strain for summer rainfall sub-tropical areas.
- 272018 and 272019. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
272018. 'Steinwedel'.
 272019. 'Winglen'. Early-maturing winter wheat.
 (('Kenya' × 'Gular') × 'Winter Minflor') × ('Double Cross' ×
 ('Dundee' × 'Dandee')).

272020 to 272062.

From Japan. Seeds purchased from P. H. Kubota, Nikko Tochigi Prefecture.
 Received March 3, 1961.

272020. *ALNUS CRISPA* (Ait.) Pursh. Betulaceae.
 'Maximowiczii'.

272020 to 272062—Continued

272021. *ALNUS MATSUMURAE* Callier
272022. *BETULA ERMANNI* var. *SUBCORDATA* Koidz. Betulaceae.
272023. *BETULA GLORISPICA* Shirai
272024. *CERCIDIPHYLLUM MAGNIFICUM* Nakai Trochodendraceae.
- 272025 to 272029. *CLEMATIS APIIFOLIA* DC. Ranunculaceae.
272025. Nikko.
272026. Ehime Prefecture, Shikoku.
272027. Hananokayama, Kumamoto Prefecture.
272028. 'Biternata'. Urami, Nikko.
272029. 'Biternata'. Tokorono, Nikko.
272030. *CLEMATIS FUSCA* Turcz.
Mt. Taisetsu, Hokkaido.
- 272031 and 272032. *CLEMATIS JAPONICA* Thunb.
272031. Yumoto, Nikko.
272032. Ogurayama, Nikko.
272033. *CLEMATIS LASIANDRA* Maxim.
Mt. Ichibusa.
- 272034 to 272037. *CLEMATIS OCHOTENSIS* Poir.
272034. 'Japonica'. Mt. Kumotori, Saitama Pref.
272035. 'Japonica'. Mt. Nyoho, Nikko.
272036. 'Tenuifolia'. Mt. Shirane, Nikko. No. 25.
272037. 'Tenuifolia'. Mt. Shirane, Nikko. No. 26.
- 272038 and 272039. *CLEMATIS PATENS* Morr. & Decne.
272038. Imaichi, Tochigi Prefecture.
272039. 'Monstrosa Alba'. Nikko, Tochigi Prefecture.
- 272040 to 272042. *CLEMATIS RECTA* L. Ground clematis.
Received as *C. terniflora* var. *robusta*.
272040. Kojiki Island.
272041. Tokorono, Nikko, Tochigi Prefecture.
272042. Kinugawa, Tochigi Prefecture.
- 272043 and 272044. *CLEMATIS STANS* Sieb. & Zucc.
272043. Nikko, Tochigi Prefecture.
272044. Foot of Mount Fuji, Shidzuoka Prefecture.
- 272045 to 272047. *CLEMATIS TOSAENSIS* Makino
272045. Chichibu, Saitama Prefecture.
272046. 'Cremaea'. Chuzenji, Nikko. Peduncle short.
272047. 'Cremaea'. Chuzenji, Nikko. Peduncle normal.
- 272048 to 272050. *CLEMATIS UNCINATA* Champ.
272048. 'Ovatifolia'. Kozagawamachi.
272049. 'Ovatifolia'. Minamata, Kumamoto Prefecture.
272050. 'Ovatifolia'. Nambumachi, Wakayama Prefecture.

272020 to 272062—Continued272051. *CLEMATIS* sp.

Mt. Shirane, Nikko.

272052. *ILEX GENICULATA* Maxim. Aquifoliaceae.

Iwaidemachi, Wakayama Prefecture.

272053. *ILEX INTEGRATA* Thunb.

Katamachi, Wakayama Prefecture.

272054. *ILEX ROTUNDA* Thunb.

Kozagawamachi.

272055. *ILEX SERRATA* f. *LEUCOCARPA* Beissn.

Angyo, Saitama Prefecture.

272056. *RHODODENDRON FAURIAE* Franch. Ericaceae.

'Normale'. Mt. Nyoho, Nikko.

272057. *TILIA JAPONICA* (Miquel) Simonk. Tiliaceae. **Japanese linden.**

Chuzenji, Nikko.

272058. *VACCINIUM NIKKOENSE* Nakai Vacciniaceae.

Mt. Shirane, Nikko.

272059. *VACCINIUM ULIGINOSUM* L.

Mt. Shirane, Nikko.

272060. *VACCINIUM KOREANUM* Nakai

Mt. Shirane, Nikko.

272061. *VIBURNUM EROSUM* Thunb. Caprifoliaceae.

Yumoto, Nikko.

272062. *VIBURNUM URCEOLATUM* var. *PROCUMBENS* Nakai.

Yumoto, Nikko.

272063. CITRUS sp. Rutaceae.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo. Received March 3, 1961.

'Cidra comprida'.

272064 to 272067. AVERRHOA CARAMBOLA L. Oxalidaceae.**Carambola.**

From China. Cuttings presented by the Chiayi Agricultural Experiment Station, Chiayi, Taiwan. Received March 3, 1961.

272064. 'Dah-Pon'.

272066. 'Pei-Sy-Tao'.

272065. 'Mih-Tao'.

272067. 'Tzan-Ma'.

272068 to 272074.

From the Netherlands. Plants purchased from the Vuyk Van Nes Nursery, Boskoop. Received March 6, 1961.

272068 to 272072. *QUERCUS PETRAEA* (Mattuschka) L. ex Lieblein

Fagaceae.

272068. No data.

272071. 'Muscaviensis'.

272069. 'Falkburgensis'.

272072. 'Rubicunda'.

272070. 'Giesleri'.

272073 and 272074. *QUERCUS ROBUR* L.**English oak.**

272073. 'Laciniata Maculata'.

272074. 'Cucullata'.

272075 to 272087.

From Great Britain. Plants purchased from George Jackman and Son Nurseries, Limited, Woking, Surrey, England. Received March 6, 1961.

272075 to 272079. *CLEMATIS* (hybrids). Ranunculaceae.

272075. 'Ascotiensis'.

272078. 'Miriam Markham'.

272076. 'Beauty of Worcester'.

272079. 'Mrs. George Jackman'.

272077. 'Gravetye Beauty'.

272080. *CLEMATIS ALPINA* (L.) Mill.

'Pamela Jackman'.

272081. *CLEMATIS MONTANA* var. *WILSONII* Sprague

272082. *CLEMATIS VITALBA* L.

Travelers-joy.

272083. *EUCRYPHIA GLUTINOSA* (Poepp. & Endl.) Baillon Eucryphiaceae.

272084. *EUCRYPHIA* × *INTERMEDIA* Bausch.

'Rostrevor'.

272085. *EUCRYPHIA* × *NYMANSENSIS* Bausch.

272086 and 272087. *VIBURNUM* × *BODNANTENSE* Aberconway
Caprifoliaceae.

272086. 'Charles Lamont No. 1'.

272087. 'Charles Lamont No. 2'.

272088 to 272091.

From Kenya. Seeds presented by the Grassland Research Station, Kitale. Received March 6, 1961.

272088. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.

272089. *DESMODIUM UNCINATUM* (Jacq.) DC.

272090. *LUPINUS PRINCEI* Harms. Fabaceae.

272091. *TRIFOLIUM RUPPELLIANUM* Fresen. Fabaceae.

272092 to 272100.

From Rhodesia. Seeds presented by W. C. Verboom, Kasama. Received March 6, 1961.

272092 to 272097. *GLYCINE JAVANICA* L. Fabaceae.

272092. No. 1. Central Province. Brown-seeded strain.

272093. No. 2. Luapula Province. Black-seeded strain.

272094. No. 3. Northern Province. Black-seeded strain.

272095. No. 4. Central Province. Black-seeded strain.

272096. No. 5. Northern Province. Greenish-seeded strain.

272097. No. 6. Northern Province. Black-seeded strain.

272098. *GLYCINE SCHLIEBENII* Harms.

Southern Province.

272099. *GLYCINE TABACINA* Benth.

North Rhodesia perennial. Originally from Australia.

272100. *PSEUDOERIOSEMA BORIANII* (Schweinf.) Hauman Fabaceae.

Central Province.

272101 and 272102. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.

From Spain. Seeds presented by the Jardin Botanico de Universidad, Barcelona. Received March 6, 1961.

272101. 'Aineto' (Pirineos).

272102. 'Valle de Aram'.

272103. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.

From France. Seeds presented by the Laboratoire de Recherches, sur les Plantes Fourragers, Rouen. Received March 6, 1961.

272104 to 272107. PRUNUS AMYGDALUS Batsch Amygdalaceae. Almond.

From Morocco. Seeds presented by the School of Agriculture, Souilah. Received March 6, 1961.

272104. 'Costantini'.

272106. 'Desmayo'.

272105. 'De Safi'.

272107. 'Nonpareil'.

272108 and 272109. FRAGARIA (hybrids). Rosaceae.

From France. Plants presented by the Station Centrale de Pathologie Vegetale, Versailles. Received March 6, 1961.

272108. 'Howard'.

272109. 'Temple'.

272110. KNIPHOFIA sp. Liliaceae.

From the Union of South Africa. Plants collected by A. S. Barclay, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 7, 1961.

Col. No. 989. Grassveld, on side of mountain, near Cathedral Peak Forestry Station, Bergville, Natal District. Elevation 8,000 feet. Ornamental with light-red flowers.

272111 to 272125.

From Poland. Seeds presented by the Polish Academy of Science, Institute of Plant Breeding, Poznan. Received March 7, 1961.

272111. AGROSTIS ALBA L. Poaceae. Redtop.
'Szelejewska'.

272112. ARRHENATHERUM ELATIUS (L.) Presl Poaceae. Tall oatgrass.
'Antoninski'.

272113. BROMUS INERMIS Leyss. Poaceae. Bromegrass.
'Antoninska'.

272114. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.
'Motycka'.

272115 and 272116. FESTUCA ELATIOR L. Poaceae. Meadow fescue.
272115. 'Motycka'.

272116. 'Skrzeszowicka'.

272117. FESTUCA RUBRA L. Red fescue.
'Nakielska'.

272118 and 272119. LOLIUM MULTIFLORUM Lam. Poaceae. Italian ryegrass.

272118. 'Westarwoldicum Motycki'.

272119. 'Westarwoldicum Jasicki'.

272111 to 272125—Continued

- 272120 and 272121. *LOLIUM PERENNE* L. Perennial ryegrass.
 272120. 'Nadmorski'.
 272121. 'Gorozanski'.
 272122 and 272123. *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.
 272122. 'Motycka'.
 272123. 'Nakielska'.
 272124. *POA PALUSTRIS* L. Poaceae. Roughstalk bluegrass.
 'Skrzeszowicka'.
 272125. *POA PRATENSIS* L. Kentucky bluegrass.
 'Skrzeszowicka'.

272126 to 272137.

From the Union of Soviet Socialist Republics. Seeds presented by the Exchange Division, Main Botanic Gardens, Academy of Sciences, Moscow. Received March 7, 1961.

- 272126 and 272127. *ELYMUS ARENARIUS* L. Poaceae.
 272126. From the Alma-Ata Botanic Garden.
 272127. From the Karganda Botanic Garden.
 272128 and 272129. *ELYMUS CANADENSIS* L.
 272128. From the Alma-Ata Botanic Garden.
 272129. From the Karganda Botanic Garden.
 272130 and 272131. *ELYMUS CAROLINIANUS* Walt.
 272130. From the Alma-Ata Botanic Garden.
 272131. From the Karganda Botanic Garden.
 272132. *ELYMUS DAHURICUS* Turcz.
 From the Karganda Botanic Garden.
 272133 and 272134. *ELYMUS GIGANTEUS* Vahl.
 272133. From the Alma-Ata Botanic Garden.
 272134. From the Karganda Botanic Garden.
 272135. *ELYMUS PABOANUS* Claus
 From the Karganda Botanic Garden.
 272136 and 272137. *ELYMUS VIRGINICUS* L.
 272136. From the Alma-Ata Botanic Garden.
 272137. From the Karganda Botanic Garden.

272138 to 272142.

From Germany. Plants purchased from J. Timm and Company Baumschulen, Elmshorn, Holstein. Received March 8, 1961.

272138. *CLEMATIS MONTANA* var. *LILACINA* Lemoine ex Rehder Ranunculaceae.
 272139. *CLEMATIS TANGUTICA* (Maxim.) Korsh. Golden clematis.
 272140 to 272142. *HIBISCUS SYRIACUS* L. Malvaceae. Shrub-althea.
 272140. 'Ardens Plena'.

272138 to 272142—Continued**272140 to 272142—Continued**

272141. 'Comte de Flandre'.

272142. 'Elegantissimus'.

272143 to 272218. PISUM SATIVUM L. Fabaceae.

From Germany. Seeds presented by the Deutsche Akademie der Wissenschaften zu Berlin, Institut für Kulturpflanzenforschung, Gatersleben.
Received March 1, 1961.

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| 272143. | 116/60. | 'Thebaicum Ruby'. | Schreiber Quedlinburg. |
| 272144. | 343/60. | 'Svalofs Hero'. | Heyn, Rastatt. |
| 272145. | 140/59. | 'Thebaicum'. | Pleskau, Schreiber Quedlinburg. |
| 272146. | 415/60. | 'Hibernicum'
(Winterform). | B I:1122, nordl. Ptolomais. |
| 272147. | 427/60. | 'Hibernicum'
(Winterform). | B I:2182, 5 km sudw. Elasson. |
| 272148. | 99/59. | 'Navale Artturi'. | Versuchsanst. f. Pflanzenzucht,
Jokioinen, Finnland. |
| 272149. | 432/60. | 'Navale'
(Winterform). | B II: 97, Prussia. |
| 272150. | 604/59. | 'Ankoberense'. | B II: 97, Prussia 1943:355
(Liniei). |
| 272151. | 159/59. | 'Uniflorum'. | Schreiber, Quedlinburg 1945. |
| 272152. | 420/60. | 'Hiemale Landsorte'
(Winterform). | B I: 1393, Landw. Stat. Janina. |
| 272153. | 291/60. | 'Hiemale'
(Winterform). | B I:2182, Nordgiechenland,
sudw. Elasson. |
| 272154. | 406/60. | 'Hiemale'
(Winterform). | B I: 113, 1 km sudl. Rudina. |
| 272155. | 412/59. | 'Hiemale'
(Winterform). | B I: 112, Wegekrenz Rudina. |
| 272156. | 413/60. | 'Hiemale'
(Winterform). | B I:1117, Perdika, Dreschplatz. |
| 272157. | 108/60. | 'Hiemale'
(Winterform). | B II:803 Peloponnes, Pissa
Vitina bei Tripolis. |
| 272158. | 513/59. | 'Griseo-coloratum'. | Heyn, Rastatt aus P. 293. |
| 272159. | 521/59. | 'Griseo-coloratum'. | Heyn, Rastatt P. 292. |
| 272160. | 129/59. | 'Griseo-coloratum'. | Uolkitte Abessinien Schreiber
Quedlinburg 1945. |
| 272161. | 336/60. | 'Griseo-coloratum'. | Jagalen, Abessinien, Heyn,
Rastatt. |
| 272162. | 347/59. | 'Griseo-coloratum'. | Adrigat, Abessinien, Heyn,
Rastatt P. 279. |
| 272163. | 351/59. | 'Griseo-coloratum'. | Aghere Miriam, Abess., Heyn,
Rastatt P. 294. |
| 272164. | 338/60. | 'Griseo-coloratum'. | Maldia, Abessinien, Heyn,
Rastatt. |
| 272165. | 438/59. | 'Griseo-coloratum'. | B II:97, Prussia. |
| 272166. | 527/60. | 'Griseo-coloratum'. | B II:867, Poloponnes Lesi bei
Kalamata. |

272143 to 272218—Continued

272167. 167/59. 'Viridipunctulum'. Schreiber, Quedlinburg 1945.
272168. 138/59. 'Viridipunctulum'. Schreiber, Quedlinburg 1945.
272169. 368/59. 'Viridipunctulum'. Usbekistan, Schreiber, Quedlinburg.
272170. 624/60. 'Zeylanicum Palma'. Inst.f.Acker-u. Pflanzenbau, Weihenstephan.
272171. 664/60. 'Zeylanicum, 'Selectas Peluschke'. Sortenamnt Halle 1954.
272172. 508/60. 'Zeylanicum'. Heyn, Rastatt P. 289.
272173. 520/59. 'Zeylanicum'. Heyn, Rastatt P. 304.
272174. 105/60. 'Zeylanicum'. Kreta 1942:73, Bella Campagna bei Canea.
272175. 491/59. 'Zeylanicum'. H. E. 459 aus Gottingen 1947.
272176. 153/59. 'Punctatum'. Schreiber, Quedlinburg 1945.
272177. 171/59. 'Punctatum'. Schreiber, Quedlinburg.
272178. 518/59. 'Subharraricum'. Heyn Rastatt P. 301.
272179. 131/60. 'Viclaceo-punctatum' 'Osziborso'. Schreiber Quedlinburg.
272180. 572/60. 'Viclaceo-punctatum'. Heyn, Rastatt P. 86B.
272181. 87/60. 'Viclaceo-punctatum'. Abessinien, Schreiber Quedlinburg.
272182. 498/60. 'Viclaceo-punctatum'. H. E. 482 aus Gottingen.
272183. 124/59. 'Arvense'. Schreiber, Quedlinburg.
272184. 426/60. 'Arvense'. B I:2182, 5 km sudw. Elasson.
272185. 106/60. 'Arvense'. Stubbe 207 Kreta, Lakki.
272186. 531/60. 'Arvense'. H. E. 417 Gottingen.
272187. 168/59. 'Subfrufum'. Schreiber, Quedlinburg.
272188. 123/59. 'Sanguivitta Ogema'. Schreiber, Quedlinburg (USA).
272189. 367/60. 'Sanguivitta'. Sammelsort. Schreiber Quedlinburg.
272190. 486/60. 'Sanguivittopsis'. H. E. 417, Gottingen.
272191. 490/59. 'Sanguivittopsis'. H. E. 458, Gottingen 1947.
272192. 130/59. 'Nigro-violaceum Vilmorin VI'. Schreiber, Quedlinburg.
272193. 386/60. 'Nigro-violaceum'. Heyn, Rastatt P 188.
272194. 479/60. 'Concolon'. H. E. 300, Gottingen.
272195. 506/60. 'Concolon'. Heyn, Rastatt P 296 aus Nokiste.
272196. 654/60. 'Fusco-umbilicatum Breslauer v 7 g 1' (Winterform). Sortenamnt Halle 1954.
272197. 663/60. 'OstpreuBische Peluschke'. Sortenamnt Halle.
272198. 802/60. 'Strengs Wiehenstephaner'. Sortenamnt Halle 1954.
272199. 158/59. 'Fusco-umbilicatum'. Schreiber, Quedlinburg 1945.

272143 to 272218—Continued

272200. 353/59. 'Fusco-umbilicatum'. Aghere Mariam, Abess. Heyn, Rastatt P. 294.
272201. 499/59. 'Fusco-umbilicatum'. H. E. 482, Gottingen 1947.
272202. 128/60. 'Alveolare'. Schreiber, Quedlinburg.
272203. 621/60. 'Nigro-umbilicatum Dr. Kreutz Wintererbse' (Winterform). Inst.f.Acker-und Pflanzenbau, Weihestephan.
272204. 883/60. 'Hodinger Futtererbse'. VEG-Saatzucht Seggerde.
272205. 480/60. 'Nigro-umbilicatum'. H. E. 300 aus Gotting.
272206. 650/60. 'Centrali-sibiricum Svalofs Notaart'. Inst.f.Acker-und Pflanzenbau, Weihestephan.
272207. 285/60. 'Centrali-sibiricum' (Winterform). Balkan Nordgiechenld. nordl. Peplomais leg. Freisleben.
272208. 118/60. 'Grandigriseum'. Harrar in A bessinien, Schreiber, Quedlinburg.
272209. 648/60. 'Capucinatorum Kapuziner'. Bot. Gart. Hohenheim.
272210. 626/60. 'Svalofs Briooart'. Inst.f.Acker-und Pflanzenbau, Weihestephan.
272211. 389/59. 'Capucinatorum'. Heyn, Rastatt P. 272.
272212. 146/59. 'Capucinatorum'. Gara Gufa, Abessinien Schreiber, Quedlinburg.
272213. 383/59. 'Melanocarpum'. (Erbse mit purpurner Hulse) Heyn, Rastatt, P. 167.
272214. 126/59. 'Melanocarpum'. Schreiber, Quedlinburg 1945.
272215. 583/60. 'Population Lucienhofer Wintererbse' (Winterform). Nordsaat GmbH. Waterneverstooff, Post Lutjenburg/Holst.
272216. 653/60. 'Winter-Futtererbse' (Winterform). Landw. Forsch. Inst. Marika Philippopol Bulgarian.
272217. 665/60. 'Wurtembergische Wi-Erbse' (Winterform). Sortenamnt Halle.
272218. 402/59. 'Population' (Winterform). B I:86, Peluschke aus Voskopoje.

272219. LYCOPERSICON (hybrid). Solanaceae. **Tomato.**

From Italy. Seeds presented by the Instituto di Genetica Vegetale, Facolta di Agraria Dell' Universita Cattolica del S. Cuore, Piacenza. Received March 9, 1961.

'Gimar'. Reportedly a cross between *L. esculentum*, *L. pimpinellifolium* and *L. peruvianum*. Early variety, excellent for table use and for canning; fruit firm, high color inside and out, medium sized; resistant to leaf infections.

272220 to 272253.

From Great Britain. Plants purchased from Hillier and Sons, Winchester, England. Numbered March 9, 1961.

272220 to 272253—Continued

272220. *BERBERIS DARWINII* Hooker Berberidaceae. Darwin barberry.
'Prostrata'.
272221. *BERBERIS STENOPHYLLA* Lindl.
272222. *BERBERIS STENOPHYLLA* Lindl.
272223. *BERBERIS* sp.
272224. *BUDDLEIA DAVIDII* var. *NAHOENSIS* (Chittend.) Rehder
Loganiaceae.
272225. *COTONEASTER AFFINIS* Lindl. Malaceae.
- 272226 and 272227. *COTONEASTER AFFINIS* var. *BACILLARIS* (Lindl.) Schneid.
Malaceae.
272226. No data.
272227. 'Obtusa'.
272228. *COTONEASTER COOPERI* Marquand
272229. *COTONEASTER DIELSIANA* var. *ELEGANS* Rehd. & Wils.
272230. *COTONEASTER FOVEOLATA* Rehd. & Wils.
272231. *COTONEASTER HEBEPHYLLA* Diels
272232. *COTONEASTER HENRYANA* (C. Schneid.) Rehd. & Wils.
272233. *COTONEASTER LINDLEYI* Steud.
272234. *COTONEASTER MELANOCARPA* var. *LAXIFLORA* (Jacq.) S. Schneid.
272235. *COTONEASTER MOUPINENSIS* Franch.
272236. *COTONEASTER NEWRYENSIS* T. Smith
272237. *COTONEASTER OBSCURA* Rehd. & Wils.
272238. *COTONEASTER PANNOSA* Franch.
272239. *COTONEASTER PROSTRATA* var. *LANATA* Rehder
272240. *COTONEASTER RACEMIFLORA* var. *MICROCARPA* Rehd. & Wils.
272241. *COTONEASTER RACEMIFLORA* var. *ROYLEANA* Dippel
272242. *COTONEASTER RACEMIFLORA* var. *VEITCHII* Rehd. & Wils.
272243. *COTONEASTER TOMENTOSA* (Ait.) Lindley
272244. *COTONEASTER TURBINATA* Craib.
272245. *COTONEASTER* sp.
272246. *COTONEASTER* sp.
272247. *COTONEASTER* sp.
- Received as 'St. Monica'.
272248. *CYTISUS BATTANDIERI* Maire Fabaceae. Broom.
272249. *ESCALLONIA* (hybrid). Escalloniaceae.
'Alice'.
272250. *HAMAMELIS MOLLIS* Oliver Hamamelidaceae.
'Brevipetala'.
272251. *MYRTUS* (hybrid). Myrtaceae.
'Cheken'.
272252. *SARCOCOCCA CONFUSA* Sealy Buxaceae.
272253. *SARCOCOCCA SALIGNA* (D. Don) Muell.

272254. ECBALLIUM ELATERIUM (L.) A. Rich. Cucurbitaceae.
Squirting-cucumber.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Pretoria. Received March 10, 1961.

272255 to 272258.

From the Union of South Africa. Seeds presented by the Horticultural Research Station, Pretoria. Received March 10, 1961.

272255 to 272257. ALLIUM CEPA L. Liliaceae. Onion.

272255. 'De Wildt'.

272256. 'Early Cape Flat'. (Oudtshoorn Line).

272257. 'Early Cape Flat'. (Stellenbosch Line).

272258. DAUCUS CAROTA L. Apiaceae. Carrot.

'Cape Market'.

272259 to 272301.

From Great Britain. Plants purchased from the W. H. Rogers Nurseries, Eastleigh, England. Received March 10, 1961.

272259. ABIES CONCOLOR (Gord.) Hoopes Pinaceae. White fir.

'Glauca Compacta'.

272260. ABIES CONCOLOR f. WATTEZII (Beiss.) Rehder

272261. ABIES NORDMANNIANA (Stev.) Spach. Nordman fir.

'Prostrata'.

272262. ABIES PROCERA f. GLAUCA (Raven.) Rehder

272263. ABIES RECURVATA Masters

'Prostrata'.

272264. ABIES sp.

272265. ATHROTAXIS SELAGINOIDES Don Pinaceae.

272266 and 272267. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae. Lawson falsecypress.

272266. 'Aurea Densa'.

272267. 'Minima Aurea Rogersi'.

272268. CHAMAECYPARIS LAWSONIANA f. FLETCHERI (Hornibr.) Rehder

'Albo-Variegata'.

272269. CHAMAECYPARIS LAWSONIANA f. LUTEA (Hort.) Schneider

'Nana'.

272270 to 272278. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endlicher Hinoki falsecypress.

272270. 'Bassett'. 272275. 'Juniperoides Compacta'.

272271. 'Caespitosa'. 272276. 'Minima'.

272272. 'Chilworth'. 272277. 'Rigida'.

272273. 'Intermedia'. 272278. 'Stoneham'.

272274. 'Juniperoides'.

272279 and 272280. CHAMAECYPARIS PISIFERA f. PLUMOSA (Corr.) Beissner.

272279. 'Compressa'.

272280. 'Nana Aureo-Variegata'.

272259 to 272301—Continued

272281. *COTONEASTER HORIZONTALIS* var. *VARIEGATA* (Osborn) Rehder
Malaceae.

272282 and 272283. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae.

272282. 'Compressa'.

272283. 'Knaptonensis'.

272284. *JUNIPERUS CHINENSIS* var. *SARGENTII* Henry Pinaceae.

'Prostrata'.

272285. *JUNIPERUS COMMUNIS* L. Common juniper.

'Bonan Isle'.

272286. *JUNIPERUS COXII* A. B. Jacks

272287 and 272288. *JUNIPERUS PACHYPHIAEA* Torr. Alligator juniper.

272287. No data.

272288. 'New Blue'.

272289. *JUNIPERUS SQUAMATA* Buch.-Ham. ex Lambert

'Forrestii'.

272290. *JUNIPERUS* sp.

272291. *PHYLLOCLADUS TRICHOMANOIDES* D. Don ex Lambert Taxaceae.

272292. *PICEA ABIES* f. *GREGORYANA* (Gord.) Rehder Pinaceae.

'Parsoni'.

272293. *PICEA ABIES* f. *PYGMAEA* (Loud.) Rehder

272294. *PICEA MARIANA* f. *NANA* (Beisen.) Rehder

272295. *PICEA PUNGENS* f. *GLAUCA* (Reg.) Beissner

'Procumbens'.

272296. *PINUS MUGO* var. *PUMILIO* Zenari Pinaceae.

272297 and 272298. *PINUS SYLVESTRIS* L.

Scotch pine.

272297. 'Beauvonrensis'.

272298. 'Viridis Compacta'.

272299. *PODOCARPUS MACROPHYLLA* (Thunb.) Don Taxaceae.

Yew podocarpus.

272300 and 272301. *THUJA PLICATA* D. Don Pinaceae. Giant arborvitae.

272300. 'Aurea Rogersi'.

272301. 'Stoneham Gold'.

272302. *BRACHIARIA RAMOSA* (L.) Stapf Poaceae.

From India. Seeds presented by the Indian Agricultural Research Institute,
New Delhi. Received March 13, 1961.

'Delhi'.

272303 to 272332. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Brazil. Seeds presented by the Instituto Agronomico do Sul, Rio
Grande do Sul. Received March 13, 1961.

272303. No. 1-AS-7.

272306. No. 1-AS-14.

272304. No. 1-AS-8. (Piratim).

272307. No. 1-AS-15.

272305. No. 1-AS-13.

272308. No. 1-AS-16.

272303 to 272332—Continued

272309. No. 1-AS-17.	272321. No. 1-AS-33.
272310. No. 1-AS-20.	272322. No. 1-AS-34.
272311. No. 1-AS-21.	272323. No. 1-AS-35.
272312. No. 1-AS-22.	272324. No. 1-AS-36.
272313. No. 1-AS-23.	272325. No. 1-AS-37.
272314. No. 1-AS-24.	272326. No. 1-AS-38.
272315. No. 1-AS-27.	272327. No. 1-AS-39.
272316. No. 1-AS-28.	272328. No. 1-AS-40.
272317. No. 1-AS-29.	272329. No. 1-AS-41.
272318. No. 1-AS-30.	272330. No. 1-AS-42.
272319. No. 1-AS-31.	272331. No. 1-AS-43.
272320. No. 1-AS-32.	272332. No. 1-AS-44.

272333 to 272602.

From Hungary. Seeds presented by the Institut National d'Agribotanique, Taposzele. Received March 13, 1961.

272333 to 272337. SECALE CEREALE L. Poaceae.	Rye.
272333. No. I-3-1. 'Fleischmann'.	
272334. No. I-3-2. 'Lovaszpatonai'.	
272335. No. I-3-3. 'Ovari'.	
272336. No. I-3-4. 'Kisvardai'.	
272337. No. I-3-5. 'Kecskemeti Heterozis'.	
272338. SECALE MONTANUM Guss.	
No. I-3-127.	
272339 to 272517. TRITICUM AESTIVUM L. Poaceae.	Common wheat.
272339. No. I-1-98. 'Bacska'.	
272340. No. I-1-108. 'Csaki'.	
272341. No. I-1-112. 'Dioszegi 178'.	
272342. No. I-1-113. 'Dioszegi 85-79-36'.	
272343. No. I-1-115. 'Dioszegi 200'.	
272344. No. I-1-126. 'Hatvani 37-1'.	
272345. No. I-1-133. 'Karcagi 21'.	
272346. No. I-1-134. 'Karcagi 54'.	
272347. No. I-1-151. 'Lontoi 1/3'.	
272348. No. I-1-151/2/. 'Lontoi'.	
272349. No. I-1-152. 'Lovaszpatonai 407'.	
272350. No. I-1-158. 'Mezohegyesi 6286'.	
272351. No. I-1-159. 'Mezohegyesi 7286'.	
272352. No. I-1-160. 'M. F. 473'.	
272353. No. I-1-161. M. F. 481.	
272354. No. I-1-162. 'Martonvasari F.B. 133'.	
272355. No. I-1-163. M.F. × K.F.	
272356. No. I-1-164. 'Mindszentopusztai 706'.	

272333 to 272602—Continued**272339 to 272517—Continued**

272357. No. I-1-174. 'Odvosi 5'.
272358. No. I-1-175. 'Odvosi 241'.
272359. No. I-1-193. 'Szekacs 1242'.
272360. No. I-1-260. 'Beta-Bankuti'.
272361. No. I-1-261. 'Karcagi 1042'.
272362. No. I-1-263. 'Odvosi'.
272363. No. I-1-264. 'Szekacs 1055'.
272364. No. I-1-268. 'Martonvasari F.B. 96'.
272365. No. I-1-269. U-2.
272366. No. I-1-270. U-8.
272367. No. I-1-380. 'Bankuti 5'.
272368. No. I-1-395. 'Legany'.
272369. No. I-1-423. 'Lovaszpatonai 1504'.
272370. No. I-1-424. 'Godolloi 9'.
272371. No. I-1-425. 'Godolloi 13'.
272372. No. I-1-426. 'Godolloi 15'.
272373. No. I-1-430. 'Bankuti 8000'.
272374. No. I-1-431. 'Barabas-fele'.
272375. No. I-1-455. 'Bankuti Garnet'.
272376. No. I-1-474. 'Perbetei Toklaszos'.
272377. No. I-1-476. M.T.R. 7.
272378. No. I-1-728. 'Alcsuti 21'.
272379. No. I-1-729. 'Arpadhalmi 1'.
272380. No. I-1-730. 'Arpadhalmi 16'.
272381. No. I-1-731. 'Arpadhalmi 17'.
272382. No. I-1-732. 'Arpadhalmi 19'.
272383. No. I-1-733. 'Arpadhalmi 266'.
272384. No. I-1-734. 'Arpadhalmi 267'.
272385. No. I-1-735. 'Arpadhalmi 304'.
272386. No. I-1-736. 'Arpadhalmi 1389'.
272387. No. I-1-738. 'Bankuti 1014'.
272388. No. I-1-739. 'Babolnai 4646'.
272389. No. I-1-740. 'Babolnai 4647'.
272390. No. I-1-741. 'Babolnai 33-2-25'.
272391. No. I-1-750. 'Bankuti Tavaszi'.
272392. No. I-1-754. 'Bellyei 590'.
272393. No. I-1-777. 'Csiki'.
272394. No. I-1-778. 'Dioszegi 82'.
272395. No. I-1-788. 'Deaki'.
272396. No. I-1-790. 'Dioszegi 2'.
272397. No. I-1-792. 'Dioszegi 85/6'.
272398. No. I-1-794. 'Dioszegi 85-78-36'.

272333 to 272602—Continued

272339 to 272517—Continued

272399. No. I-1-795. 'Dioszegi 85-79'.
272400. No. I-1-797. 'Dioszegi 1781'.
272401. No. I-1-798. 'Dioszegi 1782'.
272402. No. I-1-799. 'Dioszegi 1792'.
272403. No. I-1-800. 'Dioszegi Hybrid'.
272404. No. I-1-801. 'Dioszegi N.R.'.
272405. No. I-1-820. 'Eszterhazai 11'.
272406. No. I-1-821. 'Eszterhazai 23'.
272407. No. I-1-823. 'Eszterhazai 275'.
272408. No. I-1-825. 'Eszterhazai 404'.
272409. No. I-1-826. 'Eszterhazai Export'.
272410. No. I-1-827. 'Eszterhazai F. Korai'.
272411. No. I-1-828. 'Eszterhazai Mindenes'.
272412. No. I-1-829. 'Eszterhazai Szegenylegeny'.
272413. No. I-1-832. 'Fleischmann 481/24'.
272414. No. I-1-833. 'Fleischmann 481/25'.
272415. No. I-1-834. 'Fleischmann 481/86'.
272416. No. I-1-835. 'Fleischmann-fele Viharbuza'.
272417. No. I-1-849. 'Hatvani 28/3'.
272418. No. I-1-850. 'Hatvani 37'.
272419. No. I-1-851. 'Hatvani 40/25'.
272420. No. I-1-852. 'Hatvani 35-5-1'.
272421. No. I-1-853. 'Hatvani 121'.
272422. No. I-1-854. 'Hatvani 1103'.
272423. No. I-1-855. 'Hatvani 1140'.
272424. No. I-1-856. 'Hatvani 1242'.
272425. No. I-1-857. 'Hatvani 5463'.
272426. No. I-1-858. 'Hatvani 5542'.
272427. No. I-1-859. 'Hatvani 5612'.
272428. No. I-1-860. 'Hatvani 5616'.
272429. No. I-1-866. 'Ilocskai 2'.
272430. No. I-1-867. 'Ilocskai 16'.
272431. No. I-1-915. 'Lovaszpatonai 9'.
272432. No. I-1-916. 'Lovaszpatonai 15'.
272433. No. I-1-917. 'Lovaszpatonai 157'.
272434. No. I-1-919. 'Lovaszpatonai 289'.
272435. No. I-1-920. 'Lovaszpatonai 388'.
272436. No. I-1-922. 'Lovaszpatonai 433'.
272437. No. I-1-923. 'M.F. Mutacio'.
272438. No. I-1-929. 'Martonvasari F.B. 118'.
272439. No. I-1-932. 'Mezohegyesi 368'.
272440. No. I-1-938. 'Mindszentpusztai'.

272333 to 272602—Continued**272339 to 272517—Continued**

272441. No. I-1-939. 'Mindszentpusztai 7013'.
272442. No. I-1-945. 'Nagysuranyi 110'.
272443. No. I-1-946. 'Nagysuranyi 131'.
272444. No. I-1-947. 'Nagysuranyi 196'.
272445. No. I-1-948. 'Nagysuranyi 211'.
272446. No. I-1-968. 'Perbetei 5'.
272447. No. I-1-969. 'Perbetei 12'.
272448. No. I-1-970. 'Perbetei 29/36'.
272449. No. I-1-971. 'Perbetei 35/145'.
272450. No. I-1-972. 'Perbetei 36-388'.
272451. No. I-1-975. 'Perbetei Toklaszos 29-136'.
272452. No. I-1-1008. 'Szekacs 1653'.
272453. No. I-1-1009. 'Szekacs 1666'.
272454. No. I-1-1010. 'Szekacs 1685'.
272455. No. I-1-1012. 'Szekacs 3342'.
272456. No. I-1-1013. 'Szekacs 7162'.
272457. No. I-1-1056. 'Veneny 3787'.
272458. No. I-1-1442. 'Hatvani 38/26'.
272459. No. I-1-1489. 'Eszterhazai 134'.
272460. No. I-1-1490. 'Eszterhazai 134/43'.
272461. No. I-1-1504. 'Hatvani 5512'.
272462. No. I-1-1536. 'Pal Grof'.
272463. No. I-1-2223. 'Dioszegi F.1'.
272464. No. I-1-2676. F.R. 8.
272465. No. I-1-2677. B R 7.
272466. No. I-1-2981. 'Dioszegi 35'.
272467. No. I-1-3005. 'Hatvani 3490'.
272468. No. I-1-3663. 'Bankuti 23-46'.
272469. No. I-1-641.
272470. No. I-1-3171.
272471. No. I-1-2429.
272472. No. I-1-3557.
272473. No. I-1-1961.
272474. No. I-1-2151.
272475. No. I-1-717.
272476. No. I-1-2440.
272477. No. I-1-180. 'Perbetei Voros'.
272478. No. I-1-374. 'Penyigei Valto'.
272479. No. I-1-485.
272480. No. I-1-1148. 'Mindszentpusztai 2906'.
272481. No. I-1-2155.
272482. No. I-1-2741.

272333 to 272602—Continued**272339 to 272517—Continued**

272483. No. I-1-1157.
272484. No. I-1-421.
272485. No. I-1-1196. 'Dioszegi 1785'.
272486. No. I-1-1223. 'Ilocskai 75'.
272487. No. I-1-1261. 'Mezohegyesi 6282'.
272488. No. I-1-1266. 'Nanai Tar'.
272489. No. I-1-1274. 'Perbetei 3'.
272490. No. I-1-1276. 'Perbetei 35/419'.
272491. No. I-1-1527. 'Mindszentipusztai 704'.
272492. No. I-1-332.
272493. No. I-1-606.
272494. No. I-1-1421. 'Veneny 3621'.
272495. No. I-1-1468. 'Babolnai 4750'.
272496. No. I-1-2274.
272497. No. I-1-2235.
272498. No. I-1-1424.
272499. No. I-1-2738.
272500. No. I-1-1838.
272501. No. I-1-611.
272502. No. I-1-1967.
272503. No. I-1-631.
272504. No. I-1-1429.
272505. No. I-1-388.
272506. No. I-1-2238.
272507. No. I-1-1432.
272508. No. I-1-3091.
272509. No. I-1-1433.
272510. No. I-1-389.
272511. No. I-1-2096.
272512. No. I-1-1435.
272513. No. I-1-1436.
272514. No. I-1-1437.
272515. No. I-1-1457.
272516. No. I-1-1460.
272517. No. I-1-3638.

272518 to 272520. TRITICUM BOEOTICUM Boiss.

272518. No. I-1-1913.
272519. No. I-1-3518.
272520. No. I-1-3517.

272521 and 272522. TRITICUM CARTHAGICUM Nevski

272521. No. I-1-2715.
272522. No. I-1-500.

272333 to 272602—Continued**272523. TRITICUM DICOCOIDES** Koern.

No. I-1-3551.

272524 to 272535. TRITICUM DICOCCUM Schrank**Emmer.**

272524. No. I-1-1775.

272530. No. I-1-1778.

272525. No. I-1-3411.

272531. No. I-1-2706.

272526. No. I-1-3410.

272532. No. I-1-3432.

272527. No. I-1-3428.

272533. No. I-1-3427.

272528. No. I-1-3425.

272534. No. I-1-3417.

272529. No. I-1-3420.

272535. No. I-1-3430.

272536 to 272553. TRITICUM DURUM Desf.**Durum wheat.**

272536. No. I-1-1587. 'Veneny'.

272537. No. I-1-1591. 'Veneny 39/2'.

272538. No. I-1-1604. 'Pazmandi'.

272539. No. I-1-539.

272540. No. I-1-2899.

272541. No. I-1-505.

272542. No. I-1-1897.

272543. No. I-1-2892.

272544. No. I-1-2879.

272545. No. I-1-2727.

272546. No. I-1-2883.

272547. No. I-1-1706. 'Dioszegi'.

272548. No. I-1-1695. 'Veneny 36-2-18'.

272549. No. I-1-1696. 'Veneny 36-608'.

272550. No. I-1-538.

272551. No. I-1-2852.

272552. No. I-1-2877.

272553. No. I-1-3563. 'Vasc'.

272554 and 272555. TRITICUM MACHA Dekapr. and Men.

272554. No. I-1-2710.

272555. No. I-1-3544.

272556 to 272563. TRITICUM MONOCOCCUM L.

272556. No. I-1-1752.

272560. No. I-1-3516.

272557. No. I-1-3510.

272561. No. I-1-3508.

272558. No. I-1-1914.

272562. No. I-1-2702.

272559. No. I-1-3511.

272563. No. I-1-3515.

272564 to 272572. TRITICUM POLONICUM L.**Polish wheat.**

272564. No. I-1-3496.

272569. No. I-1-3489.

272565. No. I-1-3493.

272570. No. I-1-3490.

272566. No. I-1-3486.

272571. No. I-1-551.

272567. No. I-1-3488.

272572. No. I-1-1769.

272568. No. I-1-3481.

272333 to 272602—Continued

272573 to 272579. TRITICUM SPELTA L.

Spelt.

272573. No. I-1-559.

272577. No. I-1-553.

272574. No. I-1-3540.

272578. No. I-1-3527.

272575. No. I-1-1791.

272579. No. I-1-3530.

272576. No. I-1-3526.

272580 and 272581. TRITICUM SPHAEROCOCCUM Percival

272580. No. I-1-3572.

272581. No. I-1-3573.

272582. TRITICUM TIMOPHEEVI (Zhuk.) Zhuk.

No. I-1-2708.

272583 to 272597. TRITICUM TURGIDUM L.

Poulard wheat.

272583. No. I-1-1721.

272591. No. I-1-3434.

272584. No. I-1-3455.

272592. No. I-1-3466.

272585. No. I-1-3454.

272592. No. I-1-3466.

272586. No. I-1-3445.

272594. No. I-1-3471.

272587. No. I-1-1725.

272595. No. I-1-3450.

272588. No. I-1-3436.

272596. No. I-1-2729.

272589. No. I-1-3465.

272597. No. I-1-3458.

272590. No. I-1-3448.

272598. TRITICUM VAVILOVII Jakub.

No. I-1-2713.

272599. TRITICUM sp.

No. I-1-2717.

272600. TRITICUM sp.

No. I-1-2709.

272601. TRITICUM sp.

No. I-1-2718.

272602. TRITICUM sp.

No. I-1-3478.

272603 to 272605.

From Great Britain. Plants presented by the Crown Estate Office, The Great Park, Windsor, Berks, England. Received March 14, 1961.

272603. MAGNOLIA (hybrid). Magnoliaceae.

(M. salicifolia × M. stellata var. rosea).

'Leonard Messel'.

272604. MAHONIA ACANTHIFOLIA G. Don Berberdiaceae.

272605. MAHONIA (hybrid).

(M. lomariifolia × M. japonica).

'Charity'.

272606 to 272611.

From New Zealand. Plants presented by Duncan & Davies Limited, Westown, New Plymouth. Received March 14, 1961.

272606 to 272611—Continued

272606. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. Pinaceae.
Hinoki false cypress.

'Kojolcohiba'.

272607. *CUPRESSUS MACROCARPA* Hartw. Pinaceae.

'Lambertiana Aurea'.

- 272608 and 272609. *DACRYDIUM COLENSOI* Hook. Pinaceae.

272608. No data.

272609. No data.

272610. *DACRYDIUM INTERMEDIUM* T. Kirk

272611. *DACRYDIUM LAXIFOLIUM* Hook. f.

272612 to 272620.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 15, 1961.

272612. *DIOSCOREA DREGEANA* var. *HUTCHINSONII* Burkill Dioscoreaceae.

No. P. 4022. From the Division of Botany, Pretoria, ex Loutpansberg.

272613. *DIOSCOREA DUMETORUM* (Kunth) Pax

No. P. 3224. From the Division of Botany, Pretoria, ex Kawyns Pass.

272614. *DIOSCOREA RETUSA* Mast.

No. P. 3081. From the Division of Botany, Pretoria, ex Brits.

- 272615 to 272619. *DIOSCOREA SYLVATICA* Ecklon

From the Division of Botany, Pretoria.

272615. No. 34 M.

272616. No. P. 3355.

272617. No. P. 3937. From Umtali District, southern Rhodesia.

272618. No. P. 3963. Olwiershock Pass.

272619. No. P. 4027. Ohrigstad.

272620. *TEPHROSIA GRANDIFLORA* (Ait.) Pers. Fabaceae.

Col. No. 18940. Krom River and Garden Route, Cape Province.

272621 to 272625.

From Japan. Seeds presented by P. H. Kubota, Nikko Tochigi Prefecture. Received March 15, 1961.

272621. *CLEMATIS PATENS* Morr. & Decne. Ranunculaceae.

272622. *ILEX INTEGRA* Thunb. Aquifoliaceae.

'Mochinoki'. Wakayama Prefecture Honshu.

272623. *ILEX PURPUREA* var. *OLDHAMII* (Miq.) Loes.

Wakayama Prefecture, Honshu.

272624. *LESPEDEZA NIPPONICA* Nakai Fabaceae.

272625. *LESPEDEZA PENDULIFLORA* var. *SERICEA* (Matsum.) Ohwi

Niigata Prefecture, Honshu.

272626 to 273188. LYCOPERSICON ESCULENTUM Mill.
Solanaceae.

Tomato.

From countries as indicated. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Collected and donated by Dr. Schwanitz, Hamburg, Germany. Numbered March 15, 1961.

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272626.	1140.	Santa Tecla, El Salvador.	Plum	30
272627.	1141.	Santa Tecla, El Salvador.		19
272628.	1142.	Izalco, El Salvador.		18.5
272629.	1143.	Sonsonate, El Salvador.		19
272630.	1144.	Sonsonate, El Salvador.	Pear	30.5
272631.	1145.	Sonsonate, El Salvador.		19.5
272632.	1146.	Acajutla, El Salvador.		16.5
272633.	1147.	Ahuachapan, El Salvador.		14
272634.	1148.	Ahuachapan, El Salvador.		11.5
272635.	1149.	Turrialba, Costa Rica.		8.5
272636.	1150.	Turrialba, Costa Rica.		9
272637.	1151.	Turrialba, Costa Rica.		6
272638.	1152.	Turrialba, Costa Rica.		8.5
272639.	1153.	del Monte Laguna de Metapan, El Salvador.		3.5
272640.	1154.	del Monte Laguna de Metapan, El Salvador.		
272641.	1155.	del Monte Laguna de Metapan, El Salvador.		2
272642.	1156.	del Monte Laguna de Metapan, El Salvador.		2
272643.	1157.	del Monte Laguna de Metapan, El Salvador.		2
272644.	1158.	Atitlan, Guatemala.		10.8
272645.	1159.	Atitlan, Guatemala.		
272646.	1160.	Atitlan, Guatemala.		
272647.	1161.	Atitlan, Guatemala.		
272648.	1162.	Atitlan, Guatemala.		
272649.	1163.	Atitlan, Guatemala.		3.5
272650.	1164.	Atitlan, Guatemala.		3
272651.	1165.	Atitlan, Guatemala.		
272652.	1166.	Atitlan, Guatemala.		
272653.	1167.	Atitlan, Guatemala.		
272654.	1168.	Atitlan, Guatemala.		
272655.	1169.	Atitlan, Guatemala.		2.5
272656.	1170.	Atitlan, Guatemala.		9
272657.	1171.	Atitlan, Guatemala.		3.5

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272658.	1172.	Atitlan, Guatemala.		
272659.	1173.	Atitlan, Guatemala.		2.5
272660.	1174.	Atitlan, Guatemala.		5
272661.	1175.	Atitlan, Guatemala.		
272662.	1176.	Atitlan, Guatemala.		2.5
272663.	1177.	Atitlan, Guatemala.		
272664.	1178.	Santa Tecla, El Salvador.		48
272665.	1179.	Santa Tecla, El Salvador.		29
272666.	1180.	La Palma, El Salvador.		35
272667.	1181.	La Palma, El Salvador.		20
272668.	1182.	La Palma, El Salvador.		26.5
272669.	1183.	La Palma, El Salvador.		21.5
272670.	1184.	La Palma, El Salvador.		3
272671.	1185.	La Palma, El Salvador.		35.5
272672.	1186.	San Francisco-Gotera, El Salvador.		57
272673.	1187.	San Francisco-Gotera, El Salvador.		36
272674.	1188.	San Francisco-Gotera, El Salvador.		76
272675.	1189.	San Francisco-Gotera, El Salvador.		62.5
272676.	1190.	San Francisco-Gotera, El Salvador.		38
272677.	1191.	San Francisco-Gotera, El Salvador.		65
272678.	1192.	Yoloaiquin, El Salvador.		31
272679.	1193.	Yoloaiquin, El Salvador.		40
272680.	1194.	Yoloaiquin, El Salvador.		37
272681.	1195.	Yoloaiquin, El Salvador.		45
272682.	1196.	Yoloaiquin, El Salvador.		25
272683.	1197.	Osicala, El Salvador.		45
272684.	1198.	Osicala, El Salvador.		48.5
272685.	1199.	Izalco, El Salvador.	Plum	26
272686.	1200.	Acajutla, El Salvador.		26
272687.	1201.	Acajutla, El Salvador.		23
272688.	1202.	Acajutla, El Salvador.		25
272689.	1203.	Acajutla, El Salvador.	Plum	9
272690.	1204.	Acajutla, El Salvador.	Plum	23.5
272691.	1205.	Acajutla, El Salvador.		
272692.	1206.	Acajutla, El Salvador.		20
272693.	1207.	Jayaque, El Salvador.		37

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272694.	1208.	Tegucigalpa, Honduras.		42
272695.	1209.	Tegucigalpa, Honduras.		39.5
272696.	1210.	Juayua, El Salvador.		52.5
272697.	1211.	Juayua, El Salvador.		23
272698.	1212.	Juayua, El Salvador.		32
272699.	1213.	Ahuachapan, El Salvador.		20.5
272700.	1214.	Ahuachapan, El Salvador.		
272701.	1215.	Huehuetenango, Guatemala.		75
272702.	1216.	Huehuetenango, Guatemala.		27.5
272703.	1217.	Huehuetenango, Guatemala.		68
272704.	1218.	Huehuetenango, Guatemala.		74
272705.	1219.	Quezaltenango, Guatemala.		34
272706.	1220.	Quezaltenango, Guatemala.		38.5
272707.	1221.	Quezaltenango, Guatemala.		30
272708.	1222.	Quezaltenango, Guatemala.		32
272709.	1223.	Quezaltenango, Guatemala.		52
272710.	1224.	Quezaltenango, Guatemala.		
272711.	1225.	Quezaltenango, Guatemala.		29
272712.	1226.	Quezaltenango, Guatemala.		30
272713.	1227.	Quezaltenango, Guatemala.		27.5
272714.	1228.	Quezaltenango, Guatemala.		25
272715.	1229.	Quezaltenango, Guatemala.		28
272716.	1230.	Atitlan, Guatemala.		46.5
272717.	1231.	Atitlan, Guatemala.		68
272718.	1232.	Atitlan, Guatemala.		26
272719.	1233.	Atitlan, Guatemala.		35
272720.	1234.	Atitlan, Guatemala.		16
272721.	1235.	Atitlan, Guatemala.		84
272722.	1236.	Atitlan, Guatemala.		33
272723.	1237.	Chichicastenango, Guatemala.		71
272724.	1238.	Chichicastenango, Guatemala.		28
272725.	1239.	Comapa, Guatemala.		52
272726.	1240.	Comapa, Guatemala.		26
272727.	1241.	San Salvador, El Salvador.		35.5
272728.	1242.	San Salvador, El Salvador.	Plum	29.5
272729.	1243.	Santa Tecla, El Salvador.	Plum	23
272730.	1244.	Santa Tecla, El Salvador.	Plum	25.5
272731.	1245.	Santa Tecla, El Salvador.	Plum	27
272732.	1246.	Santa Tecla, El Salvador.	Plum	35
272733.	1247.	Santa Tecla, El Salvador.	Plum	39

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272734.	1248.	Santa Tecla, El Salvador.	Plum	33
272735.	1249.	Santa Tecla, El Salvador.	Plum	34
272736.	1250.	La Palma, El Salvador.	Plum	24.5
272737.	1251.	La Palma, El Salvador.	Plum	27.5
272738.	1252.	La Palma, El Salvador.		25
272739.	1253.	Citala, El Salvador.	Plum	29
272740.	1254.	San Francisco-Gotera, El Salvador.	Plum	31.5
272741.	1255.	San Francisco-Gotera, El Salvador.		46
272742.	1256.	San Francisco-Gotera, El Salvador.	Plum	45
272743.	1257.	Yoloaiquin, El Salvador.		29
272744.	1258.	Yoloaiquin, El Salvador.	Plum	37
272745.	1259.	Izalco, El Salvador.	Plum	19.5
272746.	1260.	Izalco, El Salvador.	Plum	41
272747.	1261.	Izalco, El Salvador.	Plum	24
272748.	1262.	Juayua, El Salvador.	Plum	34
272749.	1263.	Juayua, El Salvador.	Plum	17
272750.	1264.	Juayua, El Salvador.	Plum	23
272751.	1265.	Juayua, El Salvador.	Plum	28
272752.	1266.	Sonsonate, El Salvador.	Plum	27
272753.	1267.	Sonsonate, El Salvador.	Plum	36
272754.	1268.	Sonsonate, El Salvador.	Plum	25.5
272755.	1269.	Sonsonate, El Salvador.	Plum	22
272756.	1270.	Sonsonate, El Salvador.	Plum	26
272757.	1271.	Sonsonate, El Salvador.	Plum	32
272758.	1272.	Sonsonate, El Salvador.	Plum	24
272759.	1273.	Acajutla, El Salvador.		20
272760.	1274.	Acajutla, El Salvador.	Plum	27.5
272761.	1275.	Jayaque, El Salvador.	Plum	
272762.	1276.	Comasagua, El Salvador.	Plum	25
272763.	1277.	Comasagua, El Salvador.	Pear	40.5
272764.	1278.	Comasagua, El Salvador.	Plum	15.5
272765.	1279.	Comasagua, El Salvador.	Plum	20
272766.	1280.	Comasagua, El Salvador.	Plum	29
272767.	1281.	Comasagua, El Salvador.	Plum	31
272768.	1282.	Comasagua, El Salvador.	Plum	52
272769.	1283.	Comasagua, El Salvador.	Plum	19
272770.	1284.	Comasagua, El Salvador.	Plum	17
272771.	1285.	Cojutepeque, El Salvador.	Plum	47

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272772.	1286.	Ahuachapan, El Salvador.	Plum	
272773.	1287.	Ahuachapan, El Salvador.	Plum	32
272774.	1288.	Ahuachapan, El Salvador.	Plum	24
272775.	1289.	Ahuachapan, El Salvador.	Plum	32
272776.	1290.	Ahuachapan, El Salvador.	Plum	36
272777.	1291.	Nahuizalco, El Salvador.	Plum	24
272778.	1292.	Nahuizalco, El Salvador.	Plum	18
272779.	1293.	Nahuizalco, El Salvador.	Plum	20
272780.	1294.	Nahuizalco, El Salvador.	Plum	33
272781.	1295.	Nahuizalco, El Salvador.		82
272782.	1296.	Nahuizalco, El Salvador.	Plum	18
272783.	1297.	Santa Ana, El Salvador.	Plum	21
272784.	1298.	Metapan, El Salvador.	Plum	59.5
272785.	1299.	Metapan, El Salvador.	Plum	67.5
272786.	1300.	Metapan, El Salvador.		46.5
272787.	1301.	Atitlan, Guatemala.	Plum	22
272788.	1302.	Atitlan, Guatemala.	Plum	28
272789.	1303.	Atitlan, Guatemala.	Plum	65.5
272790.	1304.	Atitlan, Guatemala.	Plum	64
272791.	1305.	Atitlan, Guatemala.	Plum	64
272792.	1306.	San Salvador, El Salvador.	Plum	20.5
272793.	1307.	San Salvador, El Salvador.	Plum	
272794.	1308.	San Salvador, El Salvador.	Plum	38
272795.	1309.	La Palma, El Salvador.	Plum	27.5
272796.	1310.	La Palma, El Salvador.	Plum	26
272797.	1311.	La Palma, El Salvador.	Plum	45.5
272798.	1312.	Sonsonate, El Salvador.	Plum	25
272799.	1313.	Sonsonate, El Salvador.	Plum	34
272800.	1314.	Sonsonate, El Salvador.	Plum	
272801.	1315.	Sonsonate, El Salvador.	Plum	
272802.	1316.	Sonsonate, El Salvador.	Plum	18
272803.	1317.	Sonsonate, El Salvador.	Plum	18
272804.	1318.	Jayaque, El Salvador.	Plum	28
272805.	1319.	Jayaque, El Salvador.	Plum	22.5
272806.	1320.	Jayaque, El Salvador.	Plum	14
272807.	1321.	Jayaque, El Salvador.	Plum	28
272808.	1322.	Jayaque, El Salvador.	Plum	31
272809.	1323.	Jayaque, El Salvador.	Plum	33
272810.	1324.	Comasagua, El Salvador.	Plum	22.5
272811.	1325.	Comasagua, El Salvador.	Plum	37

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272812.	1326.	Tegucigalpa, Honduras.	Plum	13
272813.	1327.	Nahuizalco, El Salvador.	Plum	16
272814.	1328.	Nahuizalco, El Salvador.	Plum	
272815.	1329.	Juayua, El Salvador.	Plum	28
272816.	1330.	Juayua, El Salvador.	Plum	21
272817.	1331.	Santa Tecla, El Salvador.	Plum	29.5
272818.	1332.	Santa Tecla, El Salvador.	Plum	29
272819.	1333.	La Palma, El Salvador.	Plum	
272820.	1334.	La Palma, El Salvador.		31
272821.	1335.	San Francisco-Gotera, El Salvador.		61
272822.	1336.	San Francisco-Gotera, El Salvador.		19
272823.	1337.	San Francisco-Gotera, El Salvador.	Plum	43
272824.	1338.	San Francisco-Gotera, El Salvador.	Plum	34
272825.	1339.	San Francisco-Gotera, El Salvador.		17
272826.	1340.	Yoloaiquin, El Salvador.		33
272827.	1341.	Yoloaiquin, El Salvador.		54
272828.	1342.	Izalco, El Salvador.	Plum	45
272829.	1343.	Izalco, El Salvador.	Plum	30
272830.	1344.	Izalco, El Salvador.	Long	
272831.	1345.	Izalco, El Salvador.	Plum	24
272832.	1346.	Izalco, El Salvador.	Plum	41
272833.	1347.	Sonsonate, El Salvador.	Plum	25
272834.	1348.	Sonsonate, El Salvador.	Plum	28
272835.	1349.	Sonsonate, El Salvador.	Plum	20
272836.	1350.	Sonsonate, El Salvador.	Plum	33
272837.	1351.	Sonsonate, El Salvador.	Plum	18.5
272838.	1352.	Sonsonate, El Salvador.	Plum	26
272839.	1353.	Sonsonate, El Salvador.	Plum	28
272840.	1354.	Sonsonate, El Salvador.	Plum	35
272841.	1355.	Sonsonate, El Salvador.	Plum	
272842.	1356.	Sonsonate, El Salvador.	Plum	34
272843.	1357.	Sonsonate, El Salvador.	Plum	31
272844.	1358.	Acajutla, El Salvador.	Plum	
272845.	1359.	Jayaque, El Salvador.	Plum	
272846.	1360.	Jayaque, El Salvador.	Plum	
272847.	1361.	Jayaque, El Salvador.	Plum	
272848.	1362.	Jayaque, El Salvador.	Plum	

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272849.	1363.	Jayaque, El Salvador.	Plum	21.5
272850.	1364.	Comasagua, El Salvador.	Plum	21
272851.	1365.	Comasagua, El Salvador.	Plum	
272852.	1366.	Comasagua, El Salvador.	Plum	
272853.	1367.	Comasagua, El Salvador.	Plum	22
272854.	1368.	Comasagua, El Salvador.	Plum	
272855.	1369.	Comasagua, El Salvador.	Plum	
272856.	1370.	Tegucigalpa, Honduras.	Plum	16
272857.	1371.	Tegucigalpa, Honduras.	Plum	17
272858.	1372.	Tegucigalpa, Honduras.	Plum	
272859.	1373.	Cojutepeque, El Salvador.		
272860.	1374.	Cojutepeque, El Salvador.	Plum	
272861.	1375.	Cojutepeque, El Salvador.	Plum	62
272862.	1376.	Cojutepeque, El Salvador.	Plum	
272863.	1377.	Cojutepeque, El Salvador.	Plum	33
272864.	1378.	Juayua, El Salvador.	Plum	29
272865.	1379.	Juayua, El Salvador.	Plum	29
272866.	1380.	Juayua, El Salvador.	Plum	
272867.	1381.	Juayua, El Salvador.	Plum	21
272868.	1382.	Nahuizalco, El Salvador.	Plum	
272869.	1383.	Nahuizalco, El Salvador.	Plum	
272870.	1384.	Nahuizalco, El Salvador.	Plum	23
272871.	1385.	Ahuachapan, El Salvador.	Plum	
272872.	1386.	Ahuachapan, El Salvador.		36
272873.	1387.	Ahuachapan, El Salvador.	Plum	17
272874.	1388.	Ahuachapan, El Salvador.	Plum	23
272875.	1389.	Ahuachapan, El Salvador.	Plum	2
272876.	1390.	Ahuachapan, El Salvador.	Plum	39
272877.	1391.	Ahuachapan, El Salvador.	Plum	17
272878.	1392.	Huehuetenango, Guatemala.		
272879.	1393.	Huehuetenango, Guatemala.		67
272880.	1394.	Huehuetenango, Guatemala.		39
272881.	1395.	Quezaltenango, Guatemala.		38
272882.	1396.	Atitlan, Guatemala.		198
272883.	1397.	Atitlan, Guatemala.		39
272884.	1398.	Atitlan, Guatemala.	Plum	48
272885.	1399.	Atitlan, Guatemala.	Plum	32
272886.	1400.	Chichicastenango, Guatemala.		26
272887.	1401.	San Salvador, El Salvador.		18
272888.	1402.	Izalco, El Salvador.		60

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272889.	1403.	Ahuachapan, El Salvador.		108
272890.	1404.	Quetzaltenango, Guatemala.		70
272891.	1405.	Quetzaltenango, Guatemala.		32
272892.	1406.	Huehuetenango, Guatemala.		44
272893.	1407.	San Francisco-Gotera, El Salvador.		22
272894.	1408.	Comasagua, El Salvador.		33
272895.	1409.	San Salvador, El Salvador.		38
272896.	1410.	Atitlan, Guatemala.		25
272897.	1411.	San Salvador, El Salvador.		21
272898.	1412.	Huehuetenango, Guatemala.		45
272899.	1413.	Huehuetenango, Guatemala.		74
272900.	1414.	Santa Tecla, El Salvador.	Plum	
272901.	1415.	Santa Tecla, El Salvador.		34
272902.	1416.	Santa Tecla, El Salvador.		40
272903.	1417.	Santa Tecla, El Salvador.		20
272904.	1418.	San Francisco-Gotera, El Salvador.		70
272905.	1419.	San Francisco-Gotera, El Salvador.		71
272906.	1420.	San Francisco-Gotera, El Salvador.	Plum	49
272907.	1421.	Yoloaiquin, El Salvador.		50
272908.	1422.	Yoloaiquin, El Salvador.	Plum	36
272909.	1423.	Izalco, El Salvador.	Plum	21
272910.	1424.	Sonsonate, El Salvador.	Plum	23
272911.	1425.	Sonsonate, El Salvador.	Plum	36
272912.	1426.	Sonsonate, El Salvador.	Plum	25
272913.	1427.	Sonsonate, El Salvador.	Plum	65
272914.	1428.	Sonsonate, El Salvador.	Plum	37
272915.	1429.	Sonsonate, El Salvador.	Plum	37
272916.	1430.	Sonsonate, El Salvador.	Plum	32
272917.	1431.	Sonsonate, El Salvador.	Plum	48
272918.	1432.	Sonsonate, El Salvador.		36
272919.	1433.	Sonsonate, El Salvador.		25
272920.	1434.	Sonsonate, El Salvador.	Plum	38
272921.	1435.	Sonsonate, El Salvador.	Plum	21
272922.	1436.	Sonsonate, El Salvador.	Plum	28
272923.	1437.	Acajutla, El Salvador.	Plum	33
272924.	1438.	Acajutla, El Salvador.	Plum	34
272925.	1439.	Comasagua, El Salvador.	Plum	27

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272926.	1440.	Comasagua, El Salvador.	Plum	30
272927.	1441.	Comasagua, El Salvador.	Plum	36
272928.	1442.	Tegucigalpa, Honduras.	Plum	43
272929.	1443.	Tegucigalpa, Honduras.		34
272930.	1444.	Tegucigalpa, Honduras.	Long	33
272931.	1445.	Cojutepeque, El Salvador.		30
272932.	1446.	Cojutepeque, El Salvador.	Pear	90
272933.	1447.	Santa Ana, El Salvador.	Plum	45
272934.	1448.	Santa Ana, El Salvador.		48
272935.	1449.	Juayua, El Salvador.		
272936.	1450.	Juayua, El Salvador.	Plum	31
272937.	1451.	Atitlan, Guatemala.		25
272938.	1452.	Atitlan, Guatemala.		56.5
272939.	1453.	Chichicastenango, Guatemala.		49
272940.	1454.	Chichicastenango, Guatemala.		34
272941.	1455.	Chichicastenango, Guatemala.		19
272942.	1456.	Chichicastenango, Guatemala.		28
272943.	1457.	Comapa, Guatemala.		35
272944.	1458.	San Tecla, El Salvador.	Long	19
272945.	1459.	La Palma, El Salvador.	Plum	32
272946.	1460.	Comasagua, El Salvador.	Long	24
272947.	1461.	Tegucigalpa, Honduras.	Long	40
272948.	1462.	Tegucigalpa, Honduras.	Long	28
272949.	1463.	San Salvador, El Salvador.		28
272950.	1464.	San Salvador, El Salvador.	Long	22
272951.	1465.	San Salvador, El Salvador.	Long	28
272952.	1466.	San Salvador, El Salvador.	Long	27
272953.	1467.	San Salvador, El Salvador.		56
272954.	1468.	San Salvador, El Salvador.	Long	
272955.	1469.	Metapan, El Salvador.	Plum	42
272956.	1470.	Atitlan, Guatemala.	Long	47
272957.	1471.	Atitlan, Guatemala.	Long	27
272958.	1472.	Atitlan, Guatemala.	Long	33
272959.	1473.	Atitlan, Guatemala.	Plum	37
272960.	1474.	Atitlan, Guatemala.	Long	29
272961.	1475.	Chichicastenango, Guatemala.	Long	26
272962.	1476.	Chichicastenango, Guatemala.	Long	38
272963.	1477.	Tegucigalpa, Honduras.	Plum	18.5
272964.	1478.	Cojutepeque, El Salvador.	Long	40
272965.	1479.	Cojutepeque, El Salvador.	Long	52

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272966.	1480.	San Salvador, El Salvador.	Pear	26
272967.	1481.	Santa Ana, El Salvador.	Long	50
272968.	1482.	Santa Tecla, El Salvador.		50
272969.	1483.	Santa Tecla, El Salvador.	Plum	35.5
272970.	1484.	Santa Tecla, El Salvador.	Plum	28
272971.	1485.	Santa Tecla, El Salvador.	Long	33.5
272972.	1486.	Citala, El Salvador.	Plum	25
272973.	1487.	Citala, El Salvador.	Plum	19.5
272974.	1488.	San Francisco-Gotera, El Salvador.		44
272975.	1489.	Izalco, El Salvador.	Plum	25
272976.	1490.	Izalco, El Salvador.	Plum	24
272977.	1491.	Izalco, El Salvador.	Plum	
272978.	1492.	Izalco, El Salvador.	Pear	
272979.	1493.	Acajutla, El Salvador.		29
272980.	1494.	Comasagua, El Salvador.		
272981.	1495.	Comasagua, El Salvador.	Plum	65
272982.	1496.	Tegucigalpa, Honduras.	Plum	43
272983.	1497.	Ahuachapan, El Salvador.	Plum	
272984.	1498.	Atitlan, Guatemala.	Plum	
272985.	1499.	Atitlan, Guatemala.	Long	
272986.	1500.	Atitlan, Guatemala.	Pear	54
272987.	1501.	Atitlan, Guatemala.	Plum	34
272988.	1502.	Chichicastenango, Guatemala.		25
272989.	1503.	Chichicastenango, Guatemala.	Plum	24
272990.	1504.	Chichicastenango, Guatemala.	Plum	
272991.	1505.	Jayaque, El Salvador.	Plum	
272992.	1506.	Cojutepeque, El Salvador.	Pear	47
272993.	1507.	Cojutepeque, El Salvador.	Plum	31
272994.	1508.	Cojutepeque, El Salvador.	Long	
272995.	1509.	Cojutepeque, El Salvador.	Pear	
272996.	1510.	Cojutepeque, El Salvador.	Pear	29.7
272997.	1511.	Cojutepeque, El Salvador.	Long	47.1
272998.	1512.	Cojutepeque, El Salvador.	Pear	43
272999.	1513.	Cojutepeque, El Salvador.	Long	39
273000.	1514.	Cojutepeque, El Salvador.	Long	35.6
273001.	1515.	Cojutepeque, El Salvador.		59
273002.	1516.	Cojutepeque, El Salvador.		40.5
273003.	1517.	Cojutepeque, El Salvador.		50.1
273004.	1518.	Santa Ana, El Salvador.	Long	46.4

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273005.	1519.	Santa Ana, El Salvador.	Pear	38
273006.	1520.	Santa Ana, El Salvador.	Pear	
273007.	1521.	Santa Ana, El Salvador.	Pear	
273008.	1522.	Santa Ana, El Salvador.	Pear	59.5
273009.	1523.	Santa Ana, El Salvador.	Pear	52
273010.	1524.	Santa Ana, El Salvador.	Pear	49.5
273011.	1525.	Atitlan, Guatemala.	Plum	71
273012.	1526.	Comapa, Guatemala.		52.5
273013.	1527.	San Salvador, El Salvador.		87
273014.	1528.	Cojutepeque, El Salvador.		
273015.	1529.	Santa Ana, El Salvador.		41
273016.	1530.	Santa Ana, El Salvador.	Pear	53.5
273017.	1531.	Santa Ana, El Salvador.		53.5
273018.	1532.	San Salvador, El Salvador.		37.5
273019.	1533.	San Salvador, El Salvador.		47.2
273020.	1534.	Santa Tecla, El Salvador.	Long	27
273021.	1535.	Santa Tecla, El Salvador.	Plum	44.3
273022.	1536.	San Francisco-Gotera, El Salvador.	Pear	23
273023.	1537.	Izalco, El Salvador.	Long	30
273024.	1538.	Izalco, El Salvador.	Plum	30.5
273025.	1539.	Izalco, El Salvador.		50
273026.	1540.	Izalco, El Salvador.	Long	26
273027.	1541.	Acajutla, El Salvador.		20
273028.	1542.	Acajutla, El Salvador.	Plum	28
273029.	1543.	Chichicastenango, Guatemala.	Plum	50.2
273030.	1544.	Chichicastenango, Guatemala.		42
273031.	1545.	La Palma, El Salvador.		50
273032.	1546.	La Palma, El Salvador.		61
273033.	1547.	La Palma, El Salvador.	Plum	18
273034.	1548.	San Francisco-Gotera, El Salvador.		56
273035.	1549.	San Francisco-Gotera, El Salvador.		38
273036.	1550.	San Francisco-Gotera, El Salvador.		49
273037.	1551.	San Francisco-Gotera, El Salvador.		49
273038.	1552.	San Francisco-Gotera, El Salvador.		28.2
273039.	1553.	Yoloaiquin, El Salvador.		33
273040.	1554.	Yoloaiquin, El Salvador.		33

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273041.	1555.	Yoloaiquin, El Salvador.		35
273042.	1556.	Osicala, El Salvador.		43
273043.	1557.	Osicala, El Salvador.		31
273044.	1558.	Isalco, El Salvador.		69
273045.	1559.	Comasagua, El Salvador.	Plum	32
273046.	1560.	Tegucigalpa, Honduras.		74
273047.	1561.	Santa Ana, El Salvador.		100
273048.	1562.	Santa Ana, El Salvador.	Plum	47
273049.	1563.	Huehuetenango, Guatemala.		66
273050.	1564.	Huehuetenango, Guatemala.		75
273051.	1565.	Quezaltenango, Guatemala.		74
273052.	1566.	Quezaltenango, Guatemala.		43
273053.	1567.	Quezaltenango, Guatemala.		64
273054.	1568.	Metapan, El Salvador.	Plum	33
273055.	1569.	Atitlan, Guatemala.		29
273056.	1570.	Atitlan, Guatemala.		68
273057.	1571.	San Salvador, El Salvador.		74
273058.	1572.	San Salvador, El Salvador.		69.1
273059.	1573.	Acajutla, El Salvador.		44
273060.	1574.	Santa Ana, El Salvador.		44
273061.	1575.	Santa Ana, El Salvador.		67.4
273062.	1576.	Santa Ana, El Salvador.		79
273063.	1577.	Santa Ana, El Salvador.		50.9
273064.	1578.	Santa Ana, El Salvador.		69.5
273065.	1579.	Santa Ana, El Salvador.		
273066.	1580.	Santa Ana, El Salvador.		30
273067.	1581.	San Francisco-Gotera, El Salvador.		37
273068.	1582.	San Francisco-Gotera, El Salvador.		59.7
273069.	1583.	La Palma, El Salvador.		53
273070.	1584.	Santa Tecla, El Salvador.		42.3
273071.	1585.	Santa Tecla, El Salvador.		38
273072.	1586.	Santa Tecla, El Salvador.		57.3
273073.	1587.	Izalco, El Salvador.		45.7
273074.	1588.	Izalco, El Salvador.		61
273075.	1589.	Sonsonate, El Salvador.		35
273076.	1590.	Sonsonate, El Salvador.		34
273077.	1591.	Santa Ana, El Salvador.		54.6
273078.	1592.	Santa Ana, El Salvador.		86.7

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273079.	1593.	Quezaltenango, Guatemala.		27
273080.	1594.	Quezaltenango, Guatemala.		34.5
273081.	1595.	Quezaltenango, Guatemala.		25
273082.	1596.	Quezaltenango, Guatemala.		66.8
273083.	1597.	Chichicastenango, Guatemala.		46
273084.	1598.	Chichicastenango, Guatemala.		56.5
273085.	1599.	Santa Tecla, El Salvador.		89.3
273086.	1600.	Quezaltenango, Guatemala.		68.5
273087.	1601.	Atitlan, Guatemala.		67
273088.	1602.	Chichicastenango, Guatemala.		90
273089.	1603.	Santa Tecla, El Salvador.		28.1
273090.	1604.	San Francisco-Gotera, El Salvador.		48.5
273091.	1605.	San Francisco-Gotera, El Salvador.		13
273092.	1606.	San Francisco-Gotera, El Salvador.		20
273093.	1607.	Comapa, Guatemala.		77
273094.	1608.	La Palma, El Salvador.		35
273095.	1609.	San Francisco-Gotera, El Salvador.		51
273096.	1610.	Atitlan, Guatemala.		43
273097.	1611.	Comasagua, El Salvador.		22
273098.	1612.	Chichicastenango, Guatemala.		73
273099.	1613.	Tegucigalpa, Honduras.		61
273100.	1614.	El Rincon, El Salvador.		38
273101.	1615.	Quezaltenango, Guatemala.		
273102.	1616.	Quezaltenango, Guatemala.		
273103.	1617.	Atitlan, Guatemala.		24.5
273104.	1618.	Atitlan, Guatemala.		63
273105.	1619.	Yolciquin, El Salvador.		73
273106.	1620.	Metapan, El Salvador.	Plum	80
273107.	1621.	Metapan, El Salvador.		75
273108.	1622.	Santa Ana, El Salvador.		29.3
273109.	1623.	Ahuachapan, El Salvador.		28.5
273110.	1624.	San Salvador, El Salvador.		52.5
273111.	1625.	Santa Tecla, El Salvador.		41.5
273112.	1626.	Izalco, El Salvador.		27.1
273113.	1627.	Izalco, El Salvador.		70
273114.	1628.	Quezaltenango, Guatemala.		78.5
273115.	1629.	Santa Tecla, El Salvador.		41.5

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273116.	1630.	Santa Tecla, El Salvador.		35
273117.	1631.	Santa Tecla, El Salvador.		61
273118.	1632.	Santa Tecla, El Salvador.		50
273119.	1633.	Santa Tecla, El Salvador.		59
273120.	1634.	Santa Tecla, El Salvador.		48
273121.	1635.	La Palma, El Salvador.	Plum	17.5
273122.	1636.	Quezaltenango, Guatemala.		80
273123.	1637.	Quezaltenango, Guatemala.		99
273124.	1638.	Quezaltenango, Guatemala.		78
273125.	1639.	Izalco, El Salvador.		48.5
273126.	1640.	Izalco, El Salvador.		70
273127.	1641.	Izalco, El Salvador.		69.5
273128.	1642.	Izalco, El Salvador.		50
273129.	1643.	Izalco, El Salvador.		58
273130.	1644.	Huehuetenango, Guatemala.		57
273131.	1645.	Metapan, El Salvador.		37.5
273132.	1646.	Huehuetenango, Guatemala.		131
273133.	1647.	San Salvador, El Salvador.		69
273134.	1648.	San Francisco-Gotera, El Salvador.		29.5
273135.	1649.	Quezaltenango, Guatemala.		58
273136.	1650.	Metapan, El Salvador.	Long	103
273137.	1651.	Atitlan, Guatemala.		150
273138.	1652.	Huehuetenango, Guatemala.		71
273139.	1653.	Huehuetenango, Guatemala.		49
273140.	1654.	Huehuetenango, Guatemala.		91
273141.	1655.	Huehuetenango, Guatemala.		111
273142.	1656.	Huehuetenango, Guatemala.		70
273143.	1657.	Huehuetenango, Guatemala.		83
273144.	1658.	Huehuetenango, Guatemala.		61.5
273145.	1659.	Huehuetenango, Guatemala.		94
273146.	1660.	Quezaltenango, Guatemala.		27
273147.	1661.	Quezaltenango, Guatemala.		36
273148.	1662.	Huehuetenango, Guatemala.		52
273149.	1663.	Quezaltenango, Guatemala.		51
273150.	1664.	Quezaltenango, Guatemala.		105
273151.	1665.	Quezaltenango, Guatemala.		49
273152.	1666.	Quezaltenango, Guatemala.		101
273153.	1667.	Quezaltenango, Guatemala.		34
273154.	1668.	Quezaltenango, Guatemala.		130

272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273155.	1669.	Quezaltenango, Guatemala.		48
273156.	1670.	Quezaltenango, Guatemala.		90
273157.	1671.	Quezaltenango, Guatemala.		51.5
273158.	1672.	San Salvador, El Salvador.	Plum	32
273159.	1673.	La Palma, El Salvador.		10
273160.	1674.	Yoloaiquin, El Salvador.		68
273161.	1675.	Izalco, El Salvador.		30
273162.	1676.	Izalco, El Salvador.		37
273163.	1677.	Acajutla, El Salvador.	Plum	20
273164.	1678.	Acajutla, El Salvador.		43.5
273165.	1679.	Jayaque, El Salvador.	Plum	23.5
273166.	1680.	Ahuachapan, El Salvador.	Plum	13.5
273167.	1681.	Atitlan, Guatemala.		79
273168.	1682.	San Andres, Guatemala.	Long	38.5
273169.	1683.	San Andres, Guatemala.		2.3
273170.	1684.	San Andres, Guatemala.		3.5
273171.	1685.	San Andres, Guatemala.		
273172.	1686.	San Andres, Guatemala.		3.4
273173.	1687.	San Andres, Guatemala.		3.95
273174.	1688.	San Andres, Guatemala.		3.7
273175.	1689.	San Andres, Guatemala.		2.96
273176.	1690.	San Andres, Guatemala.		2.2
273177.	1691.	San Andres, Guatemala.		
273178.	1692.	San Andres, Guatemala.		3.1
273179.	1693.	San Andres, Guatemala.		
273180.	1694.	San Andres, Guatemala.		3.27
273181.	1695.	San Andres, Guatemala.		4.33
273182.	1696.	San Andres, Guatemala.	Pear	60
273183.	1697.	San Andres, Guatemala.		3
273184.	1698.	San Andres, Guatemala.		2.2
273185.	1699.	San Andres, Guatemala.		3.0
273186.	1700.	San Andres, Guatemala.		3.5
273187.	1701.	San Andres, Guatemala.		2.2
273188.	1702.	United States. 'Caro Red' type.		96

273189 to 273194.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 20, 1961.

273189. ACACIA HORRIDA (L.) Willd. Mimosaceae.

Col. No. 18909. Nine miles south of Hofmeyer, Middleburg District, Cape Province. Elevation 3,500 feet. Abundant, low, spreading, symmetrical tree; thorns large; flowers yellow.

273189 to 273194—Continued

273190. ASPARAGUS FALCATUS L. Convallariaceae.

Col. No. 18730. Fireburn on coarse granitic soil, 20 miles west of Worcester, Cape Province. Erect, polypodial perennial branches arching.

273191. ASPARAGUS sp.

Col. No. 18675. Sandy coastal plain 25 miles south of Vredendal, Cape Province. Heavy fruiting, viny, perennial.

273192. CUCUMIS AFRICANUS L. f. Cucurbitaceae.

Col. No. 19077. Rocky arroyo along highway, 94 miles southwest of Beaufort West, Cape Province. Perennial ground vine; fruits prickly, turning light yellow when ripe.

273193. PHASEOLUS VULGARIS L. Fabaceae.

Col. No. 18820. 'Sweetbean'. Worcester, Cape Province. Cultivated.

273194. Undetermined.

Col. No. 19015. Sandstone area, Piquetburg Mountain, Piquetburg District, Cape Province. Elevation 3,000 feet. Low, spreading, unarmed perennial; leaves dissected, asparaguslike, fruits hairy.

273195 to 273202.

From Rumania. Seeds presented by the Gardina Botanica a Universitatii, Cluj. Received March 20, 1961.

273195. DICTAMNUS ALBUS L. Rutaceae. **Gasplant.**

273196. ERYTHROCHITON BRASILIENSIS Nees & Mart. Rutaceae.

273197. EVODIA HUPEHENSIS Dode Rutaceae. **Evodia.**

273198. PHELLODENDRON AMURENSE Rupr. Rutaceae. **Amur corktree.**

273199. PHELLODENDRON CHINESE C. K. Schneider

273200. PHELLODENDRON JAPONICUM Maxim.

273201. RUTA CHALEPENSIS var. TENUIFOLIA d'Urv. Rutaceae.

273202. RUTA GRAVEOLENS L. **Common rue.**

273203. LACTUCA MACROPHYLLA (Willd.) Gray Cichoriaceae.

From Norway. Seeds presented by the Botanic Garden, University of Oslo, Oslo. Received March 20, 1961.

273204 to 273206.

From Great Britain. Seeds presented by the Chelsea Physic Garden, London, England. Received March 20, 1961.

273204. LACTUCA ALPINA (L.) Benth & Hook. Cichoriaceae.

273205. LACTUCA SATIVA L.

273206. LACTUCA VIROSA L.

273207 to 273209. PISUM ELATIUS Bieb. Fabaceae.

Mediterranean pea.

From Germany. Seeds presented by the Institut für Kulturpflanzenforschung der Deutschen Akademie der Wissenschaften zu Berlin. Received March 20, 1961.

273207. 9006/60. From Sofia, Bulgaria.

273208. 9008/60. From Sacavem, Portugal.

273209. 9009/60. From Leningrad, U.S.S.R.

273210 to 273212. ALLIUM CEPA L. Liliaceae. Onion.

From Poland. Seeds presented by the Plant Breeding Institute, Weyssenhoffa, Bydgoszcz. Received March 20, 1961.

273210. 4/9/4/5/3/2 Nochowska line.
 273211. 6/4/7/3/1/3/16 Nochowska line.
 273212. 'Zytawska'. Commercial variety.

273213 to 273220. FRAGARIA VESCA L. Rosaceae. European strawberry.

From France. Seeds presented by the Station d'Amelioration des Plantes Maraicheres, Montfavit. Received March 20, 1961.

273213. 'Belle de Meaux'. Produces many stolons.
 273214. 'Cinquantenaire de Georges Truffant'. Without stolons; reproduced by seeds and stem cuttings.
 273215. 'La Brillante'.
 273216. 'La Parfumee'. Produces numerous stolons.
 273217. 'Nec Plus Ultra'. Produces numerous stolons.
 273218. 'Reine des Quatre Saisons'.
 273219. 'Reine des Vallees'. Without stolons; reproduced by seeds or stem cuttings.
 273220. 'Reine des Vallees Blanc'.

273221 to 273223. CHRYSANTHEMUM (hybrids). Asteraceae.

From China. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Presented by the National Taiwan University, Taipei, Taiwan. Numbered March 21, 1961.

273221. Taiwan No. 5. 'Yushan'. White standard, nine weeks summer, eight weeks winter variety.
 273222. Taiwan No. 7. 'Autumn Hut'. Yellow standard, eight weeks winter variety.
 273223. Taiwan No. 12. 'Autumn'. Yellow standard, nine weeks summer, eight weeks winter variety.

273224 to 273240.

From the Netherlands. Seeds presented by the Forest Research Institute, Javalaan, Baarn. From the Himalayas. Received March 21, 1961.

273224. ANEMONE VITIFOLIA Buch.-Ham ex DC. Ranunculaceae.
Grapeleaf anemone.

Binsar. Elevation 7,500 feet.

273225. ANDROSACE LANGUINOSA Wall. Primulaceae.

Nachar. Elevation 9,200 feet. Plant hairy.

273226. ASTER sp. Asteraceae.

Elevation 10,300 feet.

273227. COTONEASTER ACUMINATA Lindl. Malaceae.

Elevation 10,000 feet.

273228. COTONEASTER sp.

Forest resthouse, Mandali. Elevation 8,400 feet.

273229. DELPHINIUM VESTITUM Wall. Ranunculaceae.

Elevation 10,300 feet.

273224 to 273240—Continued

273230. *DEUTZIA* sp. Hydrangaceae.

Naini Tal. Elevation 6,000 feet.

273231. *HYMENOPOGON PARASITICUS* Wall. Rubiaceae.

Darjeeling. Epiphyte.

273232. *KALANCHOE* sp. Crassulaceae.

Pangot, near Naini Tal. Elevation 5,500 feet.

273233. *LACTUCA MACRORHIZA* (Royle) Hook f. Cichoriaceae.

Elevation 10,500 feet.

273234. *LONICERA* sp. Caprifoliaceae.

No. 1. Elevation 10,000 feet.

273235. *LONICERA* sp.

No. 2. Bari, Sutlej Valley. Elevation 9,540 feet.

273236. *MORINA PERSICA* L. Dipsacaceae.

273237. *POTENTILLA FRUTICOSA* L. Rosaceae.

Shrubby cinquefoil.

Elevation 10,300 feet.

273238. *RHUS* sp. Anacardiaceae.

Nachar. Elevation 8,200 feet.

273239. *SOLANUM INDICUM* L. Solanaceae.

Pangot, near Maini Tal. Elevation 5,500 feet.

273240. *VIBURNUM* sp. Caprifoliaceae.

Riknar Gad. Elevation 7,900 feet.

273241 to 273245.

From Great Britain. Plants established at the National Arboretum, Washington, D. C. Presented by Fisk's Clematis Nursery, Westleton, Suffolk, England. Numbered March 22, 1961.

273241 and 273242. *CLEMATIS* (hybrids). Ranunculaceae.

273241. 'Madame Grange'.

273242. 'Mrs. George Jackman'.

273243. *CLEMATIS FLORIDA* f. *SIEBOLDII* (D. Don) Rehder

273244. *CLEMATIS HERACLEIFOLIA* var. *DAVIDIANA* (Verlot) Hemsley

273245. *CLEMATIS INTEGRIFOLIA* L.

'Hendersoni'.

273246 to 273263.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 22, 1961.

273246. *ARISTIDA NAMAQUENSIS* (Nees) Trin. & Rupr. Poaceae.

Col. No. 18910. Sand hammocks, Naauwpoort, Middleburg District, Cape Province. Elevation 4,000 feet. Bushy, sand-holding, xerophytic perennial.

273247. *EHRHARTA CALYCINA* J. E. Smith Poaceae.

Perennial veldt grass.

Col. No. 18755. Rocky granitic slope, 10 miles northeast of Worcester, Cape Province. Elevation 2,500 feet. Plant well tufted.

273246 to 273263—Continued

273248. *EHRHARTA LONGIFOLIA* Schad.

Col. No. 18999. Dry, stony slope, Dutoits Kloof, Worcester District, Cape Province. Perennial to three feet high, nearly leafless xerophytic.

273249. *EHRHARTA VILLOSA* Schult. f.

Col. No. 18785. Fairy Glen, eight miles northeast of Worcester, Cape Province. Culms tall with little foliage.

273250. *ERAGROSTIS BICOLOR* Nees Poaceae.

Col. No. 18903. Five miles southeast of Middleburg, Cape Province, Cradock road. Elevation 4,000 feet. Large tufted grass forming complete cover under protected range conditions. Rainfall 10 to 15 inches in summer.

273251. *ERAGROSTIS CHLOROMELAS* Steud.

Boer lovegrass.

Col. No. 18930. Along new highway, 26 miles south of Middleton, Somerset East District, Cape Province. Elevation 1,250 feet. Tufted xerophytic perennial with palatable leaves.

273252. *ERAGROSTIS OBTUSA* Munro

Col. No. 18929. Twenty-six miles south of Middleton, Somerset East District, Cape Province. Elevation 1,250 feet. Drought-resistant tufted perennial; leaves palatable.

273253. *FINGERHUTHIA AFRICANA* Lehm. Poaceae.

Col. No. 18904. Along road to Cradock, 12 miles southeast of Middleburg, Cape Province. Elevation 4,000 feet. Perennial range grass; tufts large leaved.

273254. *LIMEUM AETHIOPICUM* Burm. f. Phytolaccaceae.

Col. No. 18928. Middleton. Perennial spreading herb; flowers white; liked by sheep.

273255. *PASPALUM DILATATUM* Poir. Poaceae.

Dallisgrass.

Col. No. 18979. Ditch bank, Veld Reserve, Worcester, Cape Province. Elevation 2,000 feet. Rhizomatous perennial; culms long, from leafy base.

273256. *CENCRUS CILIARIS* L. Poaceae.

Col. No. 18923. Roadside, two miles south of Cookhouse, Cape Province, Somerset East District. Leafy, spreading bunchgrass.

273257. *PENNISETUM MACROURUM* Trin.

Col. No. 18978. Ditch bank, Veld Reserve, Worcester, Cape Province. Elevation 2,000 feet. Tall, tough, bunchgrass susceptible to ergot.

273258. *PENTASCHISTIS* sp. Poaceae.

Col. No. 18784. Rocky ground, Fairy Glen, eight miles northeast of Worcester, Cape Province. Vigorous, tufted, xerophytic perennial; leaves borne one foot above ground. Palatable.

273259. *SETARIA NEGLECTA* DeWit Poaceae.

Col. No. 18905. Along road to Cradock, 22 miles southwest of Middleburg, Cape Province. Elevation 3,500 feet. Leafy perennial, growing with 12 to 20 inches of summer rain. Tolerant of light frost. Palatable.

273260. *STIPA DREGEANA* var. *ELONGATA* (Nees) Stapf Poaceae.

Col. No. 18931. Twenty-six miles south of Middleton, Somerset East District, Cape Province. Elevation 1,250 feet. Vigorous bunchgrass; leaves large.

273246 to 273263—Continued

273261. TETRACHNE sp. Poaceae.

Col. No. 18900. Middleburg, Cape Province. Elevation 4,000 feet. Xerophytic, gramalike grass; tufts leafy, to 15 inches long. Reported excellent pasture but hard to establish through seedling stage.

273262 and 273263. THEMEDA TRIANDRA Forsk. Poaceae. **Rooi grass.**

273262. Col. No. 18817. Sandy river bottom three miles south of Worcester, Cape Province. Elevation 2,000 feet. Plants to 30 inches high; tufts leafy.

273263. Col. No. 18841. Rocky slope, seven miles west of Bredasdorp, Cape Province. Plants to 28 inches high; tufts leafy.

273264 to 273268.

From Great Britain. Plants presented by the Royal Botanic Garden, Kew, England. Received March 22, 1961.

273264. LUCULIA GRANDIFOLIA Ghose. Rubiaceae.

273265 to 273267. RHODODENDRON (hybrids). Ericaceae.

273265. 'Pink Seedling'.

273266. 'Princess Royal'.

273267. 'Sir George Holford'.

273268. RHODODENDRON × BALSAMIFLORUM Veitch
'Souvenir de J. H. Mangles'.

273269 to 273277. ZEA MAYS L. Poaceae. Corn.

From Yugoslavia. Seeds presented by the Institute of Farm Crops, Maize Experiment Station, Zemun. Received March 22, 1961.

273269. R-70/3-1-1-1-1. **273274.** V312/1-1-9-2-1.

273270. V312/1-1-1-1-1. **273275.** V312/1-1-9-2-2.

273271. V312/1-1-8-1-1. **273276.** V534/2-1-1-1-1.

273272. V312/1-1-8-1-1. **273277.** V534/2-1-1-2.

273273. V312/1-1-8-1-2.

273278 and 273279.

From Denmark. Seeds presented by the Universitetets Botanske Museum, Copenhagen. Received March 22, 1961.

273278. LATHYRUS JAPONICUS Willd. Fabaceae.

273279. PISUM ELATIUS Bieb. Fabaceae. **Mediterranean pea.**

273280 to 273361. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.

From the Netherlands. Seeds presented by the Institut voor Rassenonderzoek, Wageningen. Received March 22, 1961.

273280. No. 1. **273287.** No. 8.

273281. No. 2. **273288.** No. 9.

273282. No. 3. **273289.** No. 10.

273283. No. 4. **273290.** No. 11.

273284. No. 5. **273291.** No. 12.

273285. No. 6. **273292.** No. 13.

273286. No. 7. **273293.** No. 14.

273280 to 273361—Continued

273294.	No. 15.	273328.	No. 49.
273295.	No. 16.	273329.	No. 50.
273296.	No. 17.	273330.	No. 51.
273297.	No. 18.	273331.	No. 52.
273298.	No. 19.	273332.	No. 53.
273299.	No. 20.	273333.	No. 54.
273300.	No. 21.	273334.	No. 55.
273301.	No. 22.	273335.	No. 56.
273302.	No. 23.	273336.	No. 57.
273303.	No. 24.	273337.	No. 58.
273304.	No. 25.	273338.	No. 59.
273305.	No. 26.	273339.	No. 60.
273306.	No. 27.	273340.	No. 61.
273307.	No. 28.	273341.	No. 62.
273308.	No. 29.	273342.	No. 63.
273309.	No. 30.	273343.	No. 64.
273310.	No. 31.	273344.	No. 65.
273311.	No. 32.	273345.	No. 66.
273312.	No. 33.	273346.	No. 67.
273313.	No. 34.	273347.	No. 68.
273314.	No. 35.	273348.	No. 69.
273315.	No. 36.	273349.	No. 70.
273316.	No. 37.	273350.	No. 71.
273317.	No. 38.	273351.	No. 72.
273318.	No. 39.	273352.	No. 73.
273319.	No. 40.	273353.	No. 74.
273320.	No. 41.	273354.	No. 75.
273321.	No. 42.	273355.	No. 76.
273322.	No. 43.	273356.	No. 77.
273323.	No. 44.	273357.	No. 78.
273324.	No. 45.	273358.	No. 79.
273325.	No. 46.	273359.	No. 80.
273326.	No. 47.	273360.	No. 81.
273327.	No. 48.	273361.	No. 82.

273362 to 273368.

From Great Britain. Plants purchased from Hillier and Sons, Winchester, England. Received March 22, 1961.

273362.	ABIES FORRESTII (C.C. Rogers) Craib	Pinaceae.	
273363.	EMBOTHRIMUM COCCINEUM Forst.	Proteaceae.	Notro.
273364.	EMBOTHRIMUM LANCEOLATUM Ruiz & Pav.		
273365.	ILEX AQUIFOLIUM L.	Aquifoliaceae.	English holly.
	'Serratifolia'.		
273366.	LOMATIA MYRICOIDES (Gaertn. f.) Domin.	Proteaceae.	

273362 to 273368—Continued**273367.** *MAGNOLIA SARGENTIANA* Rehd. & Wils. Magnoliaceae.**273368.** *MAGNOLIA* × *WATSONII* Hook. f.**273369.** *THEOBROMA CACAO* L. Sterculiaceae.**Cacao.**

From the British West Indies. Seeds presented by the Cocoa Board, Agriculture Department, St. Clair, Port of Spain, Trinidad. Received March 23, 1961.

ICS-1 × SCA 12.

273370 to 273382. *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.**

From Canada. Seeds presented by the Cereal Breeding Laboratory, Winnipeg, Manitoba. Numbered March 24, 1961.

273370 to 273373. 'Kenya 58' × 'Marquis 6'. Carries the stem rust gene Sr 6 which conditions resistance to races 56 and 56B1.**273370.** G. N. 1. 2-4-4-5-1. **273372.** G. N. 3. 1-1-3-2-1.**273371.** G. N. 2. 2-4-4-5-2. **273373.** G. N. 4. 1-1-3-2-6.**273374 and 273375.** 'Marquis 6' × 'Kenya 117A'. Carries the stem rust gene Sr 9 which conditions resistance to race 56.**273374.** G. N. 5. 6-3-1-1-2-1-3-1.**273375.** G. N. 6. 6-3-1-1-2-1-3-2.**273376 and 273377.** 'Kenya 117A' × 'Marquis 6'. Carries the stem rust gene Sr 7 which conditions moderate resistance to race 15B1.**273376.** G. N. 7. 3-1-4-3-3.**273377.** G. N. 8. 3-1-4-3-4.**273378 and 273379.** 'Egypt Na 101' × 'Marquis 6'. Carries the stem rust gene Sr 7 which conditions moderate resistance to race 15B1.**273378.** G. N. 9. 3-1-1-1-1-1-4-3-2.**273379.** G. N. 10. 3-1-1-1-1-1-4-3-5.**273380.** G. N. 11. 'Marquis 6' × 'Red Egyptian'. 4a-21-1-1-1-1a-3-5-2. Carries the stem rust gene Sr 8 which conditions a 2-type reaction to races 56 and 15B.**273381 and 273382.** 'Marquis 4' × 'Egypt Na95'. Carries the stem rust gene Sr 10 which conditions a variable moderate type resistance to a few races.**273381.** G. N. 13. 1-3-1-5-5-2-3-2.**273382.** G. N. 14. 1-3-1-5-5-2-3-3.**273383 to 273387.** *JUGLANS REGIA* L. Juglandaceae.**Persian walnut.**

From Hungary. Seeds presented by the United States Legation, Budapest. Received March 24, 1961.

273383. E. 1. **273386.** T. 34.**273384.** E. Csemege. **273387.** T. 56.**273385.** T. 10.**273388 to 273392.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received March 24, 1961.

273388 to 273391. *HIBISCUS SABDARIFFA* L. Malvaceae.**Roselle.**

273388 to 273392—Continued**273388 to 273391—Continued**

273388. No. 1. Stem purple-striped; for fiber only.
 273389. No. 2. Stem green; fruits used for making jam and wine.
 273390. No. 3. Stem purple; fruits used for making jam and wine.
 273391. No. 4. 'Paw Keo'.

273392. *HIBISCUS SABDARIFFA* var. *ALTISSIMA* Wester

No. 5. For fiber only.

273393 to 273411. SACCHARUM (hybrids). Poaceae.**Sugarcane.**

From the United States. Cuttings and stubbles presented by the Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received March 24, 1961.

273393. H.55-9505. (H109 × MOL. 1032).
 273394. H.55-9968. ('STR. MEX.' × 'GLAGAH W.T.').
 273395. H.58-9802. (H.55-9581 × H.53-9221).
 273396. H.58-9820. (H.53-9004 × self).
 273397. H.58-9822. (H.53-9004 × self).
 273398. H.58-9828. (H.53-9004 × self).
 273399. H.58-9829. (H.53-9004 × self).
 273400. H.58-9832. (H.55-9501 × self).
 273401. H.58-9835. (H.55-9801 × self).
 273402. H.58-9837. (H.55-9501 × self).
 273403. H.58-9841. (H.55-9501 × self).
 273404. H.58-9846. (H.55-9501 × self).
 273405. H.58-9850. (H.55-9501 × self).
 273406. H.58-9851. (H.55-9501 × self).
 273407. H.59-9890. (H.55-9560 × MOL. 938).
 273408. H.59-9896. (H.55-9560 × MOL. 938).
 273409. H.59-9936. (H.55-9560 × H.55-9503).
 273410. H.59-9961. ('STR. MEX.' × 'GLAGAH W.T.').
 273411. H.59-9984. (H.55-9611 × 'GLAGAH W.T.').

273412 to 273414.

From Japan. Seeds presented by the Government Forest Experiment Station, Okidate, Aomori. Seeds received Sept. 1959, numbered March 24, 1961.

273412. *LONICERA MORROWII* A. Gray Caprifoliaceae.

Morrow honeysuckle.

Mutsu Province.

273413. *PHELLODENDRON SACHALINENSE* Sarg. Rutaceae.

Sakhalin corktree.

Rickuchu Province.

273414. *WEIGELA DECORA* (Nakai) Nakai Caprifoliaceae.

Hitachi Province.

273415 to 273429.

From the United States. Seeds held at the United States Regional Plant Introduction Station, Experiment, Georgia. Numbered March 24, 1961.

273415 to 273421. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

273415. 'Long Hot'. From Naples, Italy. Plants to two feet high; fruit to eight inches long, thin, pendent, very hot, maturing midseason.

273416. 'Corasella Napali'. From Naples, Italy. Plants to two feet high, heavy bearing, fruit conical, upright, exceedingly hot, maturing midseason; flesh very thick. A good hot sauce pepper.

273417. 'Colondo Large'. From Naples, Italy. Plants to 1.5 feet high; fruit to eight inches long, 2.5 inches in diameter at top, red, sweet, pendent, maturing early.

273418. 'Sweet Yellow Squash'. Plants to 1.5 feet high; fruit tomato shaped, very large, four lobed, lemon yellow, pendent to upright, maturing midseason; flesh thick, sweet.

273419. 'Chili Penguin'. From Argentina, but plant occurs in the wild in much of Central and South America. Plant low, spreading; flowers small white; fruit erect, oval, rust colored, 0.5 inch by 0.3 inch, prolific.

273420. 'Christmas Bell'. From the Netherlands. Plant to 20 inches high; flowers large, yellow and white; fruit pungent, pale green ripening to red, pendent, various shaped, ornamental, maturity medium late.

273421. 'Alludorlli'. From Naples, Italy. Plants to 18 inches high; fruits to eight inches long and 2.5 inches diameter at top, orange-colored, sweet, maturing early.

273422. *CAPSICUM ANNUUM* L.

C-267. Plants to 16 inches high; fruit conical, 3.5 inches long, red.

273423 to 273428. *CAPSICUM FRUTESCENS* L.

273423. C-268. Plants to 14 inches high; fruit conical, 0.5 inch long, red, maturing early.

273424. C-269. Plants to one foot high; fruit conical 0.8 inch long, red, maturing early.

273425. C-270. Plants to one foot high; fruit conical, 0.5 inch long, red, maturing late.

273426. C-271. Plants to 14 inches high; fruit round, 0.3 inch diameter, red.

273427. C-272. Plants to two feet high; fruit conical, 0.8 inch long, red.

273428. C-273. Plants to 1.5 feet high; fruit conical, 1.5 inches long, red.

273429. *CAPSICUM CHACOENSE* Hunz.

C-274. Plants to 16 inches high; fruit conical, 0.8 inch long, red.

273430 to 273432.

From France. Seeds presented by the Jardin Botanique, Institut de Sciences Naturelles, de la Faculte des Sciences, Besancon. Received March 27, 1961.

273430. *LACTUCA PERENNIS* L. Cichoriaceae.

273431. *LACTUCA SERRIOLA* L.

273432. *LACTUCA VIROSA* L.

273433 to 273436. LAGERSTROEMIA INDICA L. Lythraceae.
Common crapemyrtle.

From India. Cuttings presented by the Royal Agricultural-Horticultural Society of India, Calcutta. Received March 27, 1961.

273433. Flowers deep pink. **273435.** 'Lancasteri'.

273434. Flowers deep red. **273436.** Lilac.

273437 to 273452.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered March 27, 1961.

273437 and 273438. CUCUMIS MELO var. DUDAIM (L.) Naud.
 Cucurbitaceae. **Dudaim melon.**

273437. No. 60-31. G8659. From H. E. Saier, Dimondale, Michigan. Vine of poor vigor, to 40 inches long; fruit 4 by 3 inches, orange, striped brown, no netting, matures early; flesh white, mealy. Very susceptible to mosaic and powdery mildew.

273438. No. 60-32. G9595. 'Queen Anne's Pocket Melon'. From Switzerland, through Toledo, Ohio. Vine to 44 inches long, vigor fair; fruit 2.5 by 2.25 inches, yellow, striped brown, fragrant, matures very early; flesh white. Ornamental.

273439. CUCUMIS MELO var. INODORUS Naud. **Winter melon.**

No. 60-30. G9836. 'Peponic Melon'. From Greece, through Cornell University. Vine to 60 inches long, of good vigor; fruit hairy casaba, 7 by 4.5 inches, long oval, grooved, no netting, midseason variety; seeds light tan.

273440 to 273442. CUCUMIS MELO var. RETICULATUS Naud. **Netted melon.**

273440. No. 60-34. G8299. 'Hardin Bush No. 30'. From Geary, Oklahoma. Determinate vine to 18 inches long; fruit 3.25 by 3 inches, dark green, slightly ribbed, early maturing; flesh orange. Susceptible to mosaic and powdery mildew.

273441. No. 60-35. G8751. 'Crown Set Bush'. From Geary, Oklahoma. Determinate vine to 18 inches long, vigor fair, crown setting; fruit globe, 3.5 by 3.5 inches, slightly grooved, well netted, dark green, early maturing; flesh orange, insipid. Susceptible to mosaic and powdery mildew.

273442. No. 60-36. G1047. 'Montreal'. From Montreal, Quebec, Canada. Vine vigorous, to 50 inches long, prolific; fruit globe to oval, 7 by 5 inches, well netted, medium quality, dark green raised areas on surface, very early. Sibbed.

273443. LOTUS CORNICULATUS L. Fabaceae. **Birdsfoot trefoil.**

No. 60-442. G7359. 'Korean Diploid Kyorggi'. From Mansan, Korea. Plants to five inches high, 20 inches wide, poor vigor, $2n=12$; stems zigzag, many, fine; leaves small; flowers yellow; pods many, extending to base, maturing early. Ornamental. Self-fertile to hand pollination.

273444 to 273447. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

273444. No. 60-171. G8755. 'Bushy'. From Oklahoma. Plants to 10 inches high, 20 inches wide, determinate, carries three recessive genes; main stem short, branched, with terminal fruit cluster; fruit globose, 2 by 2.5 inches, three-lobed, clustered about plant center, color fair, quality fair, midseason variety. Adapted to mechanical harvest.

273445. No. 60-174. G10208. 'Nagcarlang'. From Bureau of Plant Industry, Manila, Philippine Islands. Plant erect, stiff, to 49 inches high and 11 inches wide; fruit 1.6 by 2.5 inches, distorted shapes, purple, seven lobed, late maturing. A wild, cold-resistant type with protruding pistils which set fruit under rainy conditions.

273437 to 273452—Continued**273444 to 273447—Continued**

273446. No. 60-178. G10207. 'Filipino No. 2'. From the Philippine Islands. Plant vigorous, indeterminate, in wild and cultivated; fruit 2 by 3 inches, flat, lobed, rough, proliferated at blossom end, 12 loculed, seedy, green area around seeds, 7 to 8 per cluster, late maturing; flesh red. Pistils do not protrude but sets fruit in humid, rainy climate. Has resistance to late blight.

273447. No. G3301. 'Oroshan'. From the Soviet Union. Fruit red, soft, medium to small, very early, moderately crack resistant. Of doubtful economic value, but may have use in breeding.

273448. PHASEOLUS COCCINEUS L. Fabaceae. Scarlet runner bean.

No. 60, gh 24. G9582. 'Mexican Black Bean'. From Mexico. Early pole bean to 10 feet high; flowers scarlet, in racemes; pod flat, green, curved, to five inches long; seeds large, black or reddish brown with black spots, four per pod; hilum white.

273449. PHASEOLUS LUNATUS L. Lima bean.

No. 60-248. G10534. 'Hall Lima'. From Hall, New York. Plant half runner, vigorous, to 30 inches high, midseason variety; flowers white, large, frequently in pairs; pods curved, short, broad, rough, prolific, in pairs; seeds three to six per pod, large, white, flattened; hilum depressed. Free from disease.

273450 to 273452. PHASEOLUS VULGARIS L.

273450. No. 59-gh 18. G9154. 'Concord Pole'. From Japan. Vigorous, prolific, early pole bean; leaves large; flowers white; pods flat, green, five inches long; seeds white, flecked red, oval, plumb.

273451. No. G7408. 'Maine 99B Maine Yellow Eye'. From Maine. Medium vigor bush bean, good yielder, 91 days to maturity; flowers white; pod 3.25 inches long, flat, straight; seeds white with yellow eye, kidney shaped. Resistant to several strains of anthracnose.

273452. No. G10688. 'Wild Goose Bean'. From Sodus, New York. Vigorous bush bean; pods four inches long, green, with dark purple flecks, constricted; seeds flattened globe, tan to dark brown with black flecks, six to eight per pod; hilum white. Reportedly from the crop of a migrating goose.

**273453 and 273454. SOLANUM PHUREJA Juz. & Buk.
Solanaceae.**

From the United States. Seeds held at the Regional Potato Introduction Station, Sturgeon Bay, Wisconsin. From the John Innes Horticultural Institution, Bayfordbury, England. Numbered March 28, 1961.

273453. No. 1. With seed spot. Genotype P-(BciF).

273454. No. 2. With seed spot. Genotype P-(BdIF).

P=dominant gene conditioning blue pigment in the tuber, sprout and flower.

i=recessive gene which inhibits, in the homozygous condition, the action of P on tuber color.

F=dominant gene conditioning solid color of the flower; the recessive genotype, ff, conditions of flecked flower.

Bc and Bd=dominant allelic genes which, in the presence of P, condition a blue spot at the cotyledonary node of the embryo and seedling. This blue spot is visible in the ungerminated seed.

273455 to 273457.

From Great Britain. Cuttings presented by the Gardens, Wakehurst Place, Ardingly, Sussex, England. Received March 28, 1961.

273455. *PIERIS FORMOSA* (Wall.) D. Don Ericaceae.

'Wakehurst'.

273456. *PIERIS FORRESTII* Harrow ex W. W. Smith

'Wakehurst'.

273457. *VIBURNUM TINUS* L. Caprifoliaceae.

Laurustinus.

'Eve Price'.

273458. MALUS SYLVESTRIS Mill. Malaceae.

From Canada. Scions presented by the Research Branch, Canada Department of Agriculture, Kentville, Nova Scotia. Received March 29, 1961.

'Pommis Grise'.

273459 and 273460. HIBISCUS SABDARIFFA L. Malvaceae.

Roselle.

From the Union of South Africa. Seeds presented by the Department of Agriculture, Division of Crops and Pastures, Pretoria. Received March 29, 1961.

273459. DL/61/391. 'Thai Red'. From Thailand.

273460. DL/61/392. 'Rosella'. Origin unknown. Grown in farm gardens in the subtropical lowveld. Used for making jelly.

273461 and 273462. HIBISCUS SABDARIFFA L. Malvaceae.

Roselle.

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Bureau of Plant Industry, Manila. Received March 29, 1961.

273461. 'Red Roselle'.

273462. 'White Roselle'.

273463 and 273464.

From the Sudan. Seeds presented by the United States Operations Mission, Khartoum. Received March 29, 1961.

273463. *HIBISCUS CANNABINUS* L. Malvaceae.

Kenaf.

'Sudan No. 1'. Fine sandy loam, in area, 7° N. lat., where there is 40 inches annual rainfall. Planted in mid-May, when rains begin, and harvested late September when flowering begins. Plants to 12 feet high.

273464. *HIBISCUS ESCULENTUS* L.

Okra.

'Tall Sudan'. Fine sandy loam, in area 7° N. lat., where there is 40 inches annual rainfall. Planted in mid-May, when rains begin, and harvested late September when flowering begins. Plant to nine feet high; seed pods large; fiber retted and looks good.

273465 to 273468. SORGHUM BICOLOR (L.) Moench Poaceae.

From Nigeria. Seeds presented by Harold A. Royer, Waka via Biu and Yola. Received March 29, 1961.

273465. 'Jerima'.

273467. 'Red'.

273466. 'Lav'.

273468. 'Twin'.

273469 to 273473. ORYZA SATIVA L. Poaceae. Rice.

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Hiratsuka, Kanagawa Prefecture. Received March 29, 1961.

273469. 'Norin No. 22'. 273472. UP-36.

273470. UP-15. 273473. UP-98.

273471. UP-21.

273474. ZEA MAYS L. Poaceae. Corn.

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Received March 29, 1961.

'McCormick White'. A white kernel selection from 'Tom and Jerry' a mixed- or blue-kernel variety, grown near Alley Springs, Missouri, since 1882. Used for making water-ground cornmeal.

273475 to 273478.

From Venezuela. Seeds presented by the Centro de Investigaciones Agronomicas, Seccion de Fitotecnica, Maracay. Received March 29, 1961.

273475. *GOSSYPIUM* sp. Malvaceae.

No. 1. Wild cotton; plant treelike. Used as ornamental.

273476 to 273478. *GOSSYPIUM* (hybrids). Malvaceae.

273476. No. 2. 'Pajarito'. Between San Cristobal and Santo Domingo, Tachira State. Bolls small, three-loculed; fiber smooth, white, short.

273477. No. 3. 'Pajarito'. Fifty km. from San Antonio, Tachira State. Bolls medium size, three loculed; lint spongy; fiber smooth, white.

273478. No. 4. 'Pajarito'. From San Antonio, Merida State. Bolls small, three loculed; fiber white.

273479 to 273481. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.

From Ethiopia. Seeds presented by the United States Cooperative Agricultural Program, Addis Ababa. Received March 29, 1961.

273479. No. 1. Fruit nearly round, small to medium size; skin dark green; seeds white.

273480. No. 2. Fruit light green to gray, resembles 'Charleston Gray'; seeds white.

273481. No. 3. Fruit nearly round, small, black marking along the longitudinal ribs; seeds brown.

273482. ARACHIS VILLOSULICARPA Hoehne Fabaceae.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received March 29, 1961.

273483 to 273488.

From the United States. Seeds presented by T. Hymowitz, Oklahoma State University, Stillwater, Oklahoma. From Seoul, Korea. Received March 29, 1961.

273483 and 273484. *GLYCINE MAX* (L.) Merrill Fabaceae. Soybean.

273483. Seeds white.

273484. Seeds green.

273485 and 273486. *PHASEOLUS ANGULARIS* (Willd.) W. F. Wight Fabaceae. Adzuki bean.

273485. Seeds small, gray.

273486. Seeds brown.

273483 to 273488—Continued273487. *PHASEOLUS AUREUS* Roxb.

Mung bean.

273488. *PHASEOLUS VULGARIS* L.

Seeds mixed, red variegated and brown.

273489 to 273495.

From the Union of Soviet Socialist Republics. Seeds presented by the United States Embassy, Moscow. Received March 29, 1961.

273489 to 273494. *AGROPYRON DESERTORUM* (Fisch. ex Link) Schult.

Poaceae.

273489. No. 26073. No. 305. From the Krasnokutak Government Selection Station, Saratov Oblast.

273490. No. 27882. 'Kamiahinsky No. 1'. From the Kamishinsk Government Selection Station, Stalingrad Oblast.

273491. No. 31307. From Frunze, Khirghiz SSR.

273492. No. 31974. Khirghiz Government Selection Station.

273493. No. 32218. Wild type. Khirghiz Government Selection Station.

273494. No. 33744. Aktiobinsk Oblast, Kazakh S.S.R.

273495. *ELYMUS JUNCEUS* Fisch. Poaceae.

No. 33745. Wild type. Aktiobinsk Oblast, Kazakh S.S.R.

273496. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae.

Sweetpotato.

From China. Tubers presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received March 29, 1961.

'Tainung No. 57'.

273497 to 273551.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 31, 1961.

273497. *CHRYSANTHEMOIDES* sp. Asteraceae.

Col. No. 18640. Near Clanwilliam, Cape Province. Plant hemispherical bush to six feet high and six feet wide, intricately branched, slightly glaucous; rays yellow.

273498. *CHRYSANTHEMOIDES* sp.

Col. No. 18707. Near sea, along outer peninsula road, eight miles south of Cape Town. Low, ashy perennial.

273499. *CHRYSANTHEMOIDES* sp.

Col. No. 19150.

273500. *CHRYSANTHEMOIDES* sp.

Col. No. 19165. Haenertsburg, Pietersburg District, Transvaal. Elevation 5,000 feet. Plant dense bush, to three feet high, five feet wide, with many erect leafy stems; flowers yellow.

273501. *DIMORPHOTHECA AURANTIACA* DC. Asteraceae.

Winter cape-marigold.

Victoria Wild Flower Park, Caledon.

273502. *DIMORPHOTHECA CHRYSANTHEMIFOLIA* DC.

Col. No. 18715. Rocky slopes, 10 miles northeast of Worcester, Cape Province. Elevation 2,000 feet. Plants erect, to three feet high; foliage blue gray, glaucous; rays yellow, brownish or black; disk yellow.

273497 to 273551—Continued

273503. *DIMORPHOTHECA CUNEATA* DC.

Col. No. 951. Dry, rocky, open hilltop and slopes near Compass Berg, 30 miles southwest of Middelberg, Cape Province. Erect, branching, perennial herb to two feet high.

273504. *DIMORPHOTHECA ECKLONIS* DC.

Victoria Wild Flower Park, Caledon.

273505. *DIMORPHOTHECA NUDICAULIS* DC.

Victoria Wild Flower Park, Caledon.

273506. *DIMORPHOTHECA PLUVIALIS* (L.) Moench.

Col. No. 18706. Coarse gravelly soil along Cape Point Reserve road, near Kommetjie, Cape Province. Decumbent, white-flowered annual.

273507. *DIMORPHOTHECA SINUATA* DC. **Blue-eyed cape-marigold.**

Col. No. 18688. Sandy soil near sea, seven miles west of Darling, Cape Province. Diffuse annual; stems, erect, spreading; rays orange colored.

273508 and 273509. *DIMORPHOTHECA ZEYHERI* Sond.

273508. Col. No. 947. Disturbed roadside areas, 48 miles southeast of Middelberg, road to Cradock. Erect perennial herb to one foot high, frequently branching near base; rays white on upper surface, pinkish near base, brown to purple on lower surface; disk yellow.

273509. Col. No. 957. Dry field 18 miles east of Middelberg, road to Steynsberg, Cape Province. Erect herb; rays white; disk yellow.

273510. *DIMORPHOTHECA* sp.

Col. No. 18624. Roadside, Wolseley Forestry Station, Cape Province. Winter-spring annual; rays white above, purple below.

273511. *DIMORPHOTHECA* sp.

Col. No. 18636. Along plowed margins, near The Rest, north of Picketburg, Cape Province. Annual; rays white above.

273512. *DIMORPHOTHECA* sp.

Col. No. 18647. Valley bottomland in Karoo bush, Lokenburg, Calvinia District, Cape Province. Spreading annual to six inches high; rays light salmon above and bluish below.

273513. *DIMORPHOTHECA* sp.

Col. No. 18690. Sandy soil near sea, seven miles west of Darling, Cape Province. Erect, bushy annual, densely branched from base; rays white, short.

273514. *DIMORPHOTHECA* sp.

Col. No. 18692. Two miles east of Darling, Cape Province. Erect annual, branched above base; rays white.

273515. *DIMORPHOTHECA* sp.

Col. No. 18734. Plowed ground along road between Picketburg and The Rest. Winter-spring annual; flowers white.

273516 to 273525. *DIOSCOREA SYLVATICA* Ecklon *Dioscoreaceae.*

273516. No. P. 3504.

273521. No. P. 3960.

273517. No. P. 3937-A.

273522. No. P. 3962.

273518. No. P. 3937-B.

273523. No. P. 4027-A.

273519. No. P. 3940.

273524. No. P. 4027-B.

273520. No. P. 3953.

273525. No. P. 4028.

273497 to 273551—Continued

273526 and 273527. *OSTEOSPERMUM ASPERULUM* (DC.) Norl. Asteraceae.

273526. Col. No. 19102. Zwartberg Pass, Prince Albert District, Cape Province. Elevation 5,000 feet. Compact perennial; foliage asperous; rays yellow, tinged reddish on back.

273527. Col. No. 19111. Sandy limestone, Torinberg, Ladysmith District. Elevation 4,000 feet. Annual; stems slender, flaxlike, to two feet long, spreading. Plants widely scattered among ground cover.

273528. *OSTEOSPERMUM CORYMBOSUM* L.

Col. No. 932. Burned mountain slopes near Outeniqua Pass, George District, Cape Province. Rigidly erect shrub to six feet high; inflorescens corymbose; flowers yellow.

273529 and 273530. *OSTEOSPERMUM IMBRICATUM* L.

273529. Col. No. 19113. Rocky roadside, side road to Municipal Creek, Ladysmith, Cape Province. Elevation 2,000 feet. Erect perennial to 20 inches high; stems virgate; flowers yellow.

273530. Col. No. 19127. Rocky slope. Karoo transition, 37 miles west of Uniondale, Cape Province. Perennial to 20 inches high; stems slender, upright. Grows in clones or small colonies.

273531. *OSTEOSPERMUM JUNCUNDUM* (E.P. Phill.) Norl.

Col. No. 19164. Moist, grassy mountain slope, Haenertsburg, Pietersburg District, Transvaal. Elevation 4,000 feet. Annual rainfall 70 inches. Low, spreading, perennial herb; peduncles erect but nodding; rays reddish purple.

273532 to 273535. *OSTEOSPERMUM MURICATUM* E. Mey.

273532. Col. No. 943. Roadside pit, 10 miles northeast of Beaufort, West, National Road to Nelspoort. Erect, shrubby herb with woody base; flowers yellow.

273533. Col. No. 954. Roadside, 19.5 miles southeast of Middelberg, road to Cradock. Shrubby perennial with woody base; stems numerous, from base; flowers yellow.

273534. Col. No. 19144. Sandy soil along road, 22 miles south of Kofffontein, road to Fauresmith. Short bushy perennial with flowers and ripe achenes among foliage.

273535. Col. No. 19169. Rocky town lot, Pietersburg, Transvaal. Plants short, compact, with good crown of maturing seed.

273536 to 273540. *OSTEOSPERMUM SCARIOSUM* DC.

273536. Col. No. 945. Rocky soil, dry hillside, 25 miles northeast of Beaufort West, National Road to Nelspoort. Shrubby erect perennial; flowers yellow.

273537. Col. No. 949. Sandy loam, railroad right of way, eight miles east of Rosemead, Middelberg-Steynsburg road. Erect perennial, branching near base; flowers yellow; rays with greenish lines on lower surface.

273538. Col. No. 955. Open, dry, rocky hillside 30 miles southeast of Middelburg, road to Cradock. Erect, shrubby perennial; flowers yellow.

273539. Col. No. 18744. Veld Reserve, Worcester, Cape Province. Spreading winter-spring perennial; flowers pale yellow.

273540. Col. No. 19078. Along rocky road, 64 miles southwest of Beaufort West, Cape Province. Perennial; flowers yellow; fruits large, winged.

273497 to 273551—Continued

273541 and 273542. *OSTEOSPERMUM SINUATUM* (DC.) Norl.

273541. Col. No. 19076. Rocky arroyo and roadside, 94 miles southwest of Beaufort West. Straggly perennial to two inches high; stems light gray, woody, slender; flowers yellow; fruits have large wings.

273542. Col. No. 19091. Along arroyo between Kivietskuil and Wiegnaarspoort, Aberdeen District. Dense, semi-erect plant to 10 inches high.

273543 to 273545. *OSTEOSPERMUM SPINESCENS* Thunb.

273543. Col. No. 950. Roadside four miles south of Hofmeyr, road to Cradock. Plant stiff, spreading, much branched, to three feet high; flowers yellow.

273544. Col. No. 953. Moist roadside pit, 33 miles northwest of Cradock, Cradock-Middelberg Road. Stiff, much-branched shrub to three feet high.

273545. Col. No. 958. Sandy loam, roadside and adjacent fields, 19 miles northwest of Colesberg, road to Philipstown, Cape Province.

273546. *OSTEOSPERMUM* sp.

Col. No. 18642. Weed in cultivated fields, Pakhuis Mountain, Clanwilliam District, Cape Province. Erect annual to 20 inches high; crowns spreading; rays yellow. Used as pig feed.

273547. *OSTEOSPERMUM* sp.

Col. No. 18691. Near sea, seven miles west of Darling, Cape Province. Annual.

273548. *OSTEOSPERMUM* sp.

Col. No. 18693. Two miles east of Darling. Erect annual; rays yellow, brown mark at base.

273549. *OSTEOSPERMUM* sp.

Col. No. 19071. Veld Reserve, Worcester, Cape Province. Elevation 2,000 feet. Small, erect, bushy annual; flowers yellow, small.

273550. *PSORALEA SPICATA* L. Fabaceae.

Col. No. 18968. Along highway between Swellendam and Montagu, Cape Province. Slender shrub to 10 feet high single caudex; fruit abundant.

273551. *RESTIO* sp. Restionaceae.

Col. No. 19063. Rocky slope, summit of Du Toits Kloof, Paarl District, Cape Province. Elevation 3,000 feet. Rhizomatous, clonal, dioecious perennial to three feet high; seed heads large; seeds large, golden, iridescent.

273552 to 273559. *SECHIUM EDULE* (Jacq.) Sw. Cucurbitaceae.
Chayote.

From Honduras. Fruits presented by the Escuela Agricola Pan-Americana, Tegucigalpa. Received March 31, 1961.

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|----------------|----------------|
| 273552. No. 1. | 273556. No. 5. |
| 273553. No. 2. | 273557. No. 6. |
| 273554. No. 3. | 273558. No. 7. |
| 273555. No. 4. | 273559. No. 8. |

273560 to 273573.

From the Union of Soviet Socialist Republics. Seeds presented by the Botanical Garden Batumen, Academy of Sciences, Georgia Batum, Georgia. Received April 3, 1961.

273560. *DICTAMNUS CAUCASICUS* Hort. Rutaceae.

273560 to 273573—Continued

273561. *PHELLODENDRON LAVALLEI* Dode. Rutaceae.
 273562. *PONCIRUS TRIFOLIATA* (L.) Raf. Rutaceae. **Hardy orange.**
 273563. *ZANTHOXYLUM ALATUM* Roxb. Rutaceae.
 273564. *ZANTHOXYLUM BUNGEI* Planch.
 273565. *ZANTHOXYLUM PIPERITUM* (L.) DC. **Japanese prickly-ash.**
 273566. *ZANTHOXYLUM SCHINIFOLIUM* Sieb. & Zucc.
 273567 to 273570. Seeds presented by the Universitatis Leopoliensis Joannis Franko, Hortus Botanicus, Lvov.
 273567. *DICTAMNUS ALBUS* L. Rutaceae. **Gasplant.**
 273568. *ERYTHROCHITON BRASILIENSIS* Nees & Mart. Rutaceae.
 273569. *PHELLODENDRON AMURENSE* Rupr. Rutaceae. **Amur corktree.**
 273570. *PTELEA TRIFOLIATA* L. Rutaceae. **Hop-tree.**
 273571 to 273573. Seeds presented by the Hortus Botanicus Instituti Planfarum Officialium, Vilar Province, Mosquensis.
 273571. *DICTAMNUS CAUCASICUS* Hort. Rutaceae.
 273572. *PHELLODENDRON AMURENSE* Rupr. Rutaceae. **Amur corktree.**
 273573. *PTELEA TRIFOLIATA* L. Rutaceae. **Hop-tree.**

273574 to 273579.

From Italy. Seeds presented by the Giardino Botanico Ed Coloniale, Palermo. Received April 3, 1961.

273574. *LACTUCA DREGEANA* DC. Cichoriaceae.
 273575. *LACTUCA MURALIS* (L.) Fresen.
 'Atropurpurea'.
 273576. *LACTUCA PERENNIS* L.
 273577. *LACTUCA SALIGNA* L.
 273578. *CICHORIUM PUMILUM* Jacq. Cichoriaceae.
 273579. *LACTUCA VIROSA* L.

273580 to 273584.

From Great Britain. Seeds presented by the Royal Botanic Gardens, Kew, England. Received April 3, 1961.

273580. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.
 273581. *LACTUCA PERENNIS* L.
 273582. *LACTUCA SALIGNA* L.
 273583. *LACTUCA SONCHIFOLIA* Panc.
 273584. *LACTUCA VIROSA* L.

273585 to 273590.

From Denmark. Seeds presented by the Universitetets Botaniske Have, Copenhagen. Received April 2, 1961.

273585. *LACTUCA LIVIDA* Boiss. & Reut. Cichoriaceae.
 273586 and 273587. *LACTUCA MURALIS* (L.) Fresen.
 273586. No. 1.
 273587. No. 2.
 273588. *LACTUCA SALIGNA* L.

273585 to 273590—Continued

273589 and 273590. *LACTUCA SERRIOLA* L.

273589. No. 1. 'Angustana'.

273590. No. 2.

273591 and 273592.

From the Netherlands. Seeds presented by the Hortus Botanicus Academicus, Lugduno-Batavus, Leiden. Received April 3, 1961.

273591. *LACTUCA BOURGAEI* (Boiss.) Irish & Taylor Cichoriaceae.

273592. *LACTUCA PLUMIERI* (L.) Gren. & Godr.

273593 to 273597.

From Germany. Seeds presented by the Botanischer Garten, der Universitat Tubingen, Tubingen. Received April 3, 1961.

273593. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.

273594. *LACTUCA PERENNIS* L.

273595. *LACTUCA SATIVA* L.

273596. *LACTUCA SERRIOLA* L.

273597. *LACTUCA VIROSA* L.

273598 to 273602.

From Belgium. Seeds presented by the Jardin Botanique de la Ville de Louvain, Louvain. Received April 3, 1961.

273598. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.

273599. *LACTUCA PERENNIS* L.

273600. *LACTUCA SATIVA* L.

273601. *LACTUCA SERRIOLA* L.

273602. *LACTUCA VIROSA* L.

273603. *LACTUCA PLUMIERI* (L.) Gren. & Godr. Cichoriaceae.

From the Netherlands. Seeds presented by the Hortus Botanicus, Groningen. Received April 3, 1961.

273604. *GINORIA GINORIOIDES* (Griseb.) Britton Lythraceae.

From Cuba. Seeds presented by the Atkins Garden and Research Laboratory, Cienfuegos. Received April 3, 1961.

273605. *PISUM SATIVUM* L. Fabaceae.

From Ecuador. Seeds presented by the United States Operations Mission, Quito. Received April 3, 1961.

Plants growing in the dry season in a sandy, acid, arid soil badly depleted for several hundred years with an eight-months dry season. Elevation above 8,000 feet. Roots large; yield light. Peas are sweet if picked just before maturity; some turn black when cooked.

273606 to 273608.

From Germany. Seeds presented by the Botanischer Garten, Leipzig. Received April 3, 1961.

273606. *LACTUCA SATIVA* L. Cichoriaceae.

'Treibsalat Presto'.

273607. *LACTUCA VIROSA* L.

273608. *LACTUCA PERENNIS* L.

273609 to 273614.

From Belgium. Seeds presented by the Universite Libre de Bruxelles, Jardin Experimental, Auderghem. Received April 3, 1961.

273609. LACTUCA MACROPHYLLA (Willd.) Gray Cichoriaceae.

No. 661.

273610. LACTUCA PERENNIS L.

No. 662.

273611. LACTUCA PLUMIERI (L.) Gren. & Godr.

No. 663.

273612. LACTUCA SATIVA L.

No. 664.

273613. LACTUCA SERRIOLA L.

No. 665.

273614. LACTUCA VIROSA L.

No. 663.

273615 to 273617.

From the Netherlands. Seeds presented by the Botanical Garden, Technical University, Delft. Received April 3, 1961.

273615. LACTUCA PERENNIS L. Cichoriaceae.

273616. LACTUCA SATIVA L.

'Capitata'.

273617. LACTUCA SERRIOLA L.

273618 to 273623.

From the Union of Soviet Socialist Republics. Seeds presented by the Botanical Garden of the Sciences, Kazachstan, Alma-Ata 10. Received April 3, 1961.

273618. DICTAMNUS ALBUS L. Rutaceae. **Gasplant.**

No. 1187.

273619. DICTAMNUS TURKESTANICUS Wint.

No. 1188.

273620. PHELLODENDRON AMURENSE Rupr. Rutaceae. **Amur corktree.**

No. 350.

273621. PHELLODENDRON JAPONICUM Maxim. Rutaceae.

No. 351.

273622. PTELEA TRIFOLIATA L. Rutaceae. **Hop-tree.**

No. 352.

273623. RUTA GRAVEOLENS L. Rutaceae. **Common rue.**

No. 1189.

273624. PYRACANTHA ATALANTIOIDES (Hance) Stapf Malaceae.

From Germany. Cuttings purchased from Kayser and Seibert, Rossdorf bei Darmstadt. Received April 4, 1961.

273625 to 273687.

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 4, 1961.

Seeds unless otherwise noted.

273625. *AFRAMOMUM KORARIMA* (Baker) Pereira Zingiberaceae.

Col. No. 1923. Addis Ababa market. Widely used in Ethiopia as a spice.

273626 and 273627. *ALLIUM CEPA* L. Liliaceae. **Onion.**

273626. Col. No. 1871. Harar market. Bulbs; skin red; pyriforme.

273627. Col. No. 2037. Jimma market. Bulbs; skin red; pyriforme.

273628 to 273633. *ALLIUM SATIVUM* L. **Garlic.**

273628. Col. No. 1872. Harar market. Bulbs white.

273629. Col. No. 1887. Dire Dawa market. Bulbs white.

273630. Col. No. 1916. Addis Ababa market. Bulbs purplish.

273631. Col. No. 1999. Socca market. Bulbs purplish.

273632. Col. No. 2009. Socca market. Bulbs purplish.

273633. Col. No. 2038. Jimma market. Bulbs purplish.

273634. *AMMI COPTICUM* L. Apiaceae.

Col. No. 1905. Addis Ababa market. 'Nech Azmud'. Much used, as a spice.

273635. *ASPARAGUS* sp. Convallariaceae.

Col. No. 1995. Near village, 13 miles west of Jimma. Plants in wild; abundant under trees.

273636 and 273637. *BRASSICA CARINATA* A. Br. Brassicaceae.

273636. Col. No. 1866. Harar market.

273637. Col. No. 1885. Dire Dawa market.

273638 and 273639. *BRASSICA NIGRA* (L.) Koch **Black mustard.**

273638. Col. No. 1906. 'Senafich'. Addis Ababa market.

273639. Col. No. 1829. Plant an escape along roadside, Agricultural College, Aremaya. Grown for its oil content.

273640. *BRASSICA OLERACEA* var. *CAPITATA* L. **Cabbage.**

Col. No. 1912. 'Gomenzer'. Addis Ababa market.

273641. *BRASSICA* sp.

Col. No. 1845. Harar market.

273642. *BRASSICA* sp.

Col. No. 1908. 'Senafich'. Addis Ababa market. Plant used for medicinal purposes.

273643 and 273644. *CAPSICUM ANNUM* L. Solanaceae. **Pimento.**

273643. Col. No. 1992. Village 13 miles west of Jimma. Plant shrubby to 3.5 feet high; fruit sweet.

273644. Col. No. 2002. Socca market. Fruit sweet.

273645 to 273647. *CAPSICUM FRUTESCENS* L. **Redpepper.**

273645. Col. No. 1859. Harar market. Chili pepper.

273646. Col. No. 1881. Harar market. Fruit small.

273647. Col. No. 1918. Addis Ababa market. Red chili type; fruit small.

273625 to 273687—Continued

273648. CUCUMIS PROPHETARUM L. Cucurbitaceae.

Col. No. 1895. Small vine trailing on ground.

273649. CUCUMIS sp.

Col. No. 1947. Plant in wild, prostrate, to six feet long; leaves lobed, to five inches in diameter; fruit round, to 1.5 inches in diameter, spiny, yellow when ripe.

273650. CUCUMIS cf. MEMBRANIFOLIUS Hook. f.

Col. No. 2048. Shore of Lake Awusa. Plant in wild, vine to six feet long; fruits 1 by 3 inches, spiny, yellow when ripe.

273651 to 273656. CUCURBITA PEPO L. Cucurbitaceae. **Pumpkin.**

273651. Col. No. 1868. Harar market.

273652. Col. No. 1884. Dire Dawa market.

273653. Col. No. 2041. Jimma market. Fruit globose-flattened, 8 by 12 inches.

273654. Col. No. 2049. Gondar market.

273655. Col. No. 2121. Asmara spice market.

273656. Col. No. 2122. Asmara spice market.

273657. CYPHOMANDRA BETACEA (Cav.) Sendt. Solanaceae. **Tree-tomato.**

Col. No. 2045. Jimma market.

273658. DAUCUS CAROTA L. Apiaceae. **Carrot.**

Col. No. 1898. Garden two miles east of Aremaya College. Root large, orange.

273659 and 273660. FOENICULUM VULGARE Mill. Apiaceae. **Fennel.**

273659. Col. No. 1821. Plant in wild, along Agricultural College road, Aremaya. Thick clumps to six feet high; flowers yellow, in smallish umbels.

273660. Col. No. 1861. Harar market.

273661. LACTUCA SALIGNA L. Cichoriaceae.

Col. No. 2062. Near coffee nursery, between airport and Gondar. Plant to four feet high; main stem branching freely near top; flowers blue, in small heads.

273662 and 273663. LAGENARIA SICERARIA (Mol.) Standf. Cucurbitaceae. **Calabash gourd.**

273662. Col. No. 1819. Field 10 miles west of Aremaya.

273663. Col. No. 2010. Socca market. Gourd 16 inches long, 10 inches in diameter at base.

273664. LENS CULINARIS Medic. Fabaceae. **Lentil.**

Col. No. 1886. Dire Dawa market.

273665. LEPIDIUM SATIVUM L. Brassicaceae. **Gardencress.**

Col. No. 1991. Village 13 miles west of Jimma. Used for medicinal purposes.

273666 and 273667. PHASEOLUS COCCINEUS L. Fabaceae.

Scarlet runner bean.

273666. Col. No. 1994. Village 13 miles west of Jimma. Vine climbing over vegetation.

273667. Col. No. 2031. Farm, Nadda region.

273625 to 273687—Continued**273668.** PHASEOLUS LUNATUS L.

Lima bean.

Col. No. 2044. Jimma market.

273669 to 273673. PHASEOLUS VULGARIS L.**273669.** Col. No. 1875. Harar market.**273670.** Col. No. 1876. Harar market. Bean white.**273671.** Col. No. 1893. Dire Dawa market.**273672.** Col. No. 2085. Agricultural College, Aramaya.**273673.** Col. No. 2112. Auareh market.**273674 to 273681.** PISUM SATIVUM L. Fabaceae.**273674.** Col. No. 1853. Harar market.**273675.** Col. No. 1867. Harar market.**273676.** Col. No. 1888. Dire Dawa market.**273677.** Col. No. 1915. Addis Ababa market.**273678.** Col. No. 1925. Addis Ababa market.**273679.** Col. No. 2001. Socca market.**273680.** Col. No. 2040. Jimma market.**273681.** Col. No. 2104. Auareh market.**273682.** PRUNUS AMYGDALUS Batsch Amygdalaceae.

Almond.

Col. No. 1841. Abandoned village near lake, college land, Aramaya.

273683. RUBUS sp. Rosaceae.

Col. No. 1983. Roadside eight miles west of Jimma. Elevation 6,500 feet. Plant in wild, robust; canes to seven feet high, pubescent, thorny; fruit tart, pleasant.

273684. RUBUS sp.

Col. No. 2032. Nadda region. Plant in wild; canes to 14 feet high and 1.5 inches in diameter; flowers blue and lavender; fruit dry, edible.

273685. RUBUS sp.

Col. No. 2033. Nadda region. Canes to five feet high, pubescent; fruit tart, pleasant.

273686. SOLANUM sp. Solanaceae.

Col. No. 1825. Agricultural College, Aramaya. Plant in wild, to four feet high, spiny; flowers blue; fruit yellow.

273687. SOLANUM sp.

Col. No. 2023. Plant much branched, almost viny; stems slender; fruit small, yellow.

273688 to 273703.

From Germany. Plants purchased from Hesse Baumschulen, Weener. Received April 5, 1961.

273688. CLEMATIS ALPINA (L.) Mill. Ranunculaceae.**273689.** CLEMATIS KOREANA Komar.**273690.** CLEMATIS LASIANDRA Maxim.**273691.** CLEMATIS MONTANA var. RUBENS Wilson

'Grandiflora'.

273688 to 273703—Continued

273692. *CLEMATIS SERRATIFOLIA* Rehder **Korean clematis.**
 273693. *CLEMATIS TANGUTICA* (Maxim.) Korsch. **Golden clematis.**
 273694 to 273696. *CORNUS ALBA* L. Cornaceae. **Tatarian dogwood.**
 273694. 'Albo-marginata Elegans'.
 273695. 'Kesselringi Zweige Schwarzrot'. Twigs dark red.
 273696. 'Siberica Variegata'.
 273697. *CORNUS MAS* var. *MACROCARPA* (Dipp.) Schelle
 273698. *CORNUS OFFICINALIS* Sieb. & Zucc. Cornaceae. **Japanese cornelian-cherry.**
 273699 to 273703. *HIBISCUS* (hybrids). Malvaceae.
 273699. 'Blue Rouge'. 273702. 'Purpureus Plenus'.
 273700. 'Elegantissimus'. 273703. 'Variegatus'.
 273701. 'Puniceus Plenus'.

273704 to 273725.

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 5, 1961.

- 273704 to 273724. *GUIZOTIA ABYSSINICA* (L.f.) Cass. Asteraceae.
 273704. Col. No. 1830. Plant with finely branched stems; heads small. Grown for oil seed.
 273705. Col. No. 1865. Harar market.
 273706 to 273724. From Jimma Agricultural Technical School.
 273706. Col. No. 1962. N-1. Semhete, Arussi. Plants to 140 cm. high, 67 days to flower.
 273707. Col. No. 1963. N-2. Gorgo, Arussi. Plants to 150 cm. high, 68 days to flower.
 273708. Col. No. 1964. N-3. Ambo, Shoa. Plants to 115 cm. high, 63 days to flower.
 273709. Col. No. 1965. N-4. Debre-Zeit, Shoa. Plants to 130 cm. high, 69 days to flower.
 273710. Col. No. 1966. N-5. Kachil-Meret, Combolcha. Plants to 125 cm. high, 69 days to flower.
 273711. Col. No. 1967. N-6. From Alelu, Shashemene. Plant to 130 cm. high, 68 days to flower.
 273712. Col. No. 1968. N-7. From Wolkitte (Jimma road). Plants to 125 cm. high, 69 days to flower.
 273713. Col. No. 1969. N-8. From Nejo, Wollega. Plants to 120 cm. high, 66 days to flower.
 273714. Col. No. 1970. N-9. From Kete-Ager, Combolcha. Plants to 115 cm. high, 69 days to flower.
 273715. Col. No. 1971. N-10. From Haroye, Combolcha. Plants to 125 cm. high, 64 days to flower.
 273716. Col. No. 1972. N-11. From Awaro. Plants to 130 cm. high, 64 days to flower.
 273717. Col. No. 1973. N-12. From Azamo, Shashemene. Plants to 150 cm. high, 67 days to flower.

273704 to 273725—Continued**273704 to 273724—Continued**

273718. Col. No. 1974. N-13. From Mebelwada, Shashemene. Plants to 135 cm. high, 70 days to flower.

273719. Col. No. 1975. N-14. From Debre-Zeit, Shoa. Plants to 132 cm. high, 70 days to flower.

273720. Col. No. 1976. N-15. From Keressa, Shashemene. Plants to 130 cm. high, 63 days to flower.

273721. Col. No. 1977. N-16. From Jejeba, Wolkitte. Plants to 135 cm. high, 65 days to flower.

273722. Col. No. 1978. N-17. From Debre-Zeit, Shoa. Plants to 130 cm. high, 71 days to flower.

273723. Col. No. 1979. N-18. From Nadda (near Jimma). Plants to 135 cm. high, 67 days to flower.

273724. Col. No. 1980. N-19. From Serbo, Jimma. Plants to 120 cm. high, 71 days to flower.

273725. GUIZOTIA SCABRA Chiov. Asteraceae.

Col. No. 1827. Southeast corner, college land, Aremaya. Plants to 120 cm. high, much branched; heads small; flowers yellow.

273726 to 273729.

From Canada. Plants presented by the Royal Botanical Gardens, Hamilton. Received April 5, 1961.

273726. *ACER GINNALA* var. *SEMENOVII* (Regel & Herd.) Pax Aceraceae.

273727. *CERCIS SILQUASTRUM* L. Caesalpiniaceae. **Judas-tree.**

273728. *CERCIS* sp.

273729. *CORNUS KOUSA* var. *CHINENSIS* A. Osborn. Cornaceae.

273730 to 273791.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received April 5, 1961.

273730. *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae.

Crested wheatgrass.

No. 27869. 'Onohojskij No. 52'. Buryat-Mongol, A.S.S.R.

273731. *AGROPYRON DESERTORUM* (Fisch. ex Link) Schult.

No. 27882. 'Kamysinskij I'. Stalingrad Oblast, R.S.F.S.R.

273732 and 273733. *AGROPYRON INTERMEDIUM* (Host) Beauv.

Intermediate wheatgrass.

273732. No. 33706. 'Rostovsky No. 31'. Rostov Oblast, R.S.F.S.R.

273733. No. 33826. Kursk Oblast, R.S.F.S.R.

273734 and 273735. *AGROPYRON PECTINIFORME* Roem. & Schult.

273734. No. 27880. 'Pavlovskij No. 12'. Voronezh Oblast, R.S.F.S.R.

273735. No. 28006. 'Krasnokutsky No. 4'. Saratov Oblast, R.S.F.S.R.

273736. *AGROPYRON SIBIRICUM* (Willd.) Beauv.

Siberian wheatgrass.

No. 27634. 'Aktiubinskij Uzkokolosyj Mestinyj'. Aktiubinsk Oblast, R.S.F.S.R.

273737. *AGROPYRON TRICHOPHORUM* (Link) Richt.

Stiffhair wheatgrass.

No. 33825. Turkmen, S.S.R.

273730 to 273791—Continued

273738 and 273739. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

273738. No. 27878. 'Asta'. Lithuania, S.S.R.

273739. No. 31664. 'Priekulskaya No. 30'. Lativa, S.S.R.

273740 and 273741. *KOCHIA PROSTRATA* (L.) Schrad. Chenopodiaceae.

273740. No. 33822. Stalingrad Oblast, R.S.F.S.R.

273741. No. 33812. Stalingrad Oblast, R.S.F.S.R.

273742. *ONOBRYCHIS ALTISSIMA* Grossh. Fabaceae.

No. 11448. Azerbaijan, S.S.R.

273743 to 273752. *ONOBRYCHIS ARENARIA* DC.

273743. No. 14377. 'Pescanyj No. 1251'. Ukraine, S.S.R.

273744. No. 26710. 'Pescanyj Improved'. Kazakh, S.S.R.

273745. No. 27433. Dnepropetrovsk Oblast, Ukraine, S.S.R.

273746. No. 28271. 'Pescanyj 21'. Bashkir, S.S.R.

273747. No. 28649. Poltav Oblast, R.S.F.S.R.

273748. No. 28650. 'Shironovsky No. 9'. Kiev Oblast, Ukraine, S.S.R.

273749. No. 29192. 'Hybrid No. 109'. Ukraine, S.S.R.

273750. No. 29628. Kirghiz, S.S.R.

273751. No. 29652. Novosibirsk Oblast, R.S.F.S.R.

273752. No. 30004. 'Pavlovskij'. Voronezh Oblast, R.S.F.S.R.

273753 to 273783. *ONOBRYCHIS TRANSCAUCASICA* Grossh.

273753. No. 4854. Azerbaijan, S.S.R.

273754. No. 5078. Armenia, S.S.R.

273755. No. 9696. Krasnodar, R.S.F.S.R.

273756. No. 11684. Originally from Teheran, Iran.

273757. No. 15143. Armenia, S.S.R. Wild.

273758. No. 16608. Azerbaijan, S.S.R.

273759. No. 16611. 'Krimsky No. 36'. Armenia, S.S.R.

273760. No. 16615. Armenia, S.S.R.

273761. No. 16616. Armenia, S.S.R.

273762. No. 17154. Armenia, S.S.R.

273763. No. 17394. Georgia, S.S.R.

273764. No. 18251. Armenia, S.S.R.

273765. No. 18254. Armenia, S.S.R.

273766. No. 19871. Armenia, S.S.R.

273767. No. 23487. Ukraine, S.S.R.

273768. No. 26596. Uzbekistan, S.S.R.

273769. No. 26770. Voronezh Oblast, R.S.F.S.R.

273770. No. 26804. 'Krasnodarsky No. 2834'. Krasnodar, R.S.F.S.R.

273771. No. 27711. 'Kubansky No. 3'. Krasnodar, R.S.F.S.R.

273772. No. 27735. Azerbaijan, S.S.R.

273773. No. 27736. Azerbaijan, S.S.R.

273730 to 273791—Continued**273753 to 273783—Continued**

273774. No. 28042. Severo-Ossetian, A.S.S.R.
 273775. No. 28630. Armenia, S.S.R.
 273776. No. 28633. Armenia, S.S.R.
 273777. No. 28646. Georgia, S.S.R.
 273778. No. 28648. Rostov Oblast, R.S.F.S.R.
 273779. No. 29127. Georgia, S.S.R.
 273780. No. 29626. Armenia, S.S.R.
 273781. No. 29627. Armenia, S.S.R.
 273782. No. 29988. Ukraine, S.S.R.
 273783. No. 31796. Stavropol, R.S.F.S.R.

273784 to 273791. ONOBRYCHIS VICIFOLIA Scop.**Sainfoin.**

273784. No. 6533. Lithuania, S.S.R.
 273785. No. 9796. 'Ukrainsky No. 586'. Ukraine, S.S.R.
 273786. No. 16537. Stavropol, R.S.F.S.R.
 273787. No. 16650. Kabardian, A.S.S.R.
 273788. No. 19571. Ukraine, S.S.R.
 273789. No. 24151. Ukraine, S.S.R.
 273790. No. 28467. Krasnodar, R.S.F.S.R.
 273791. No. 31794. Ukraine, S.S.R.

273792 to 273829.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 6, 1961.

273792. ACACIA VISITE Grisebach Mimosaceae.

Col. No. 19085. Middelberg, Cape Province. Fast growing tree, planted for shade.

273793. ASPALATHUS sp. Fabaceae.

Col. No. 19020. Rocky, mountain slope, Kleinfontein, Clanwilliam District, Cape Province. Elevation 3,500 feet. Handsome, erect, ericoid shrub to 60 inches high; bark of old stems yellowish-white.

273794. BERZELIA COMMUTATA Sond. Bruniaceae.

Col. No. 18872. Sandstone area, top of Garcia Pass, Riverside District, Cape Province. Elevation 3,000 feet. Herbaceous ericoid perennial to three feet high; flowers white, bolls turn yellow with age.

273795. BERZELIA GALPINII Pillans

Col. No. 18876. Moist mountain slope, Garcia Pass. Elevation 2,500 feet. Ericoid herbaceous perennial.

273796. CISSUS JUTTAE Dinter & Gilg ex Gilg & Brandt Vitaceae.

Col. No. 19152. National Botanic Garden, Pretoria, Transvaal. Plant fleshy, to three feet high; leaves large.

273797. ERICA PATERSONII L. Ericaceae.

Col. No. 18794. Marshy sea level soils, Caledon District, Cape Province. Erect perennial to 20 inches high; foliage attractive; flowers yellow.

273792 to 273829—Continued**273798. ERICA PERSPICUA** Wendl.

Col. No. 18798. Near sea, Kleinmond, Caledon District, Cape Province. Slender, virgate shrub to six feet high; flowers pink to lavender white.

273799. ERICA sp.

Col. No. 992. Garden Route. Diffuse bushlet; flowers pink, showy.

273800. ERICA sp.

Col. No. 18843. Rocky slope seven miles west of Bredasdorp, Bredasdorp District, Cape Province. Low perennial; flowers red.

273801. ERICA sp.

Col. No. 18879. Sandy soil, top of Garcia Pass. Virgate perennial to four feet high; flowers nodding.

273802. GAZANIA HETEROCHAETA DC. Asteraceae.

Col. No. 19093. Karoo desert, 60 miles southwest of Beaufort West, Cape Province. Cespitose perennial to four feet high; flowers red orange, bright, showy; rays with dark spots.

273803. GLADIOLUS sp. Iridaceae.

Col. No. 933. Roadside, five miles southwest of George, George District, Cape Province.

273804. GLADIOLUS sp.

Col. No. 19089. Rocky slope, Kleinfontein, Clanwilliam District.

273805. HELIPTERUM EXIMUM DC. Asteraceae.

Col. No. 19119. Moist, rocky, mountain slope, Garcia Pass. Single-stemmed annual; leaves densely pubescent; panicles with brilliant red-bracted heads.

273806. LEUCADENDRON DREGEI E. Mey. Proteaceae.

Col. No. 19105. Limestone metamorphosis, Zwartberg Pass, Groot Zwartbergen, Prince Albert District, Cape Province. Elevation 5,000 feet. Plants to 40 inches high, broad; leaves pinelike; "cones" bright pink to red.

273807. LEUCADENDRON GALPINII Phillips & Hutch.

Col. No. 19124. Ten miles west of Albertinia, Cape Province. Elevation 400 feet. Shrub to six feet high; leaves narrow, scattered; "cones" ovoid, numerous.

273808. LEUCADENDRON TORTUM R. Br.

Col. No. 19041. Stony ground, near sea level, seven miles west of Bredasdorp, Cape Province. Dioecious, spreading shrub to 5.5 feet high with crown of fruiting "cones."

273809. LEUCADENDRON sp.

Col. No. 19054. Sandy river allivium, Breede River, four miles east of Worcester, Cape Province.

273810. LEUCOSPERMUM CATHERINAE Compton Proteaceae.

Col. No. 19022. Sandy soil, Kleinfontein, Clanwilliam District, Cape Province. Elevation 3,500 feet. Erect shrub to six feet high; branches erect; flowers pink to red.

273811. LEUCOSPERMUM NUTANS R. Br.

Col. No. 19043. Rocky slopes 20 miles west of Bredasdorp. Elevation 500 feet. Plant to four feet high, six feet wide; flowers bright, showy, variable color.

273792 to 273829—Continued**273812. NEBELIA PALEACEA Sweet Bruniaceae.**

Col. No. 19047. Rocky slope, mountain above Napier, Bredasdorp District, Cape Province. Elevation 1,000 feet. Dense, bushy perennial to 40 inches high; flowering crowns dense, white; fruit in massive layers.

273813. NYMANIA CAPENSIS (Thunb.) Lindl. Meliaceae.

Col. No. 19107. 'Japanese Lantern Tree'. Dry, rocky slope near Calitzdorp. Slender, erect shrub, or tree, to 20 feet high; fruits showy, inflated.

273814. PROTEA ARISTATA Phillips Proteaceae.

Col. No. 19112. Rocky crags above West Municipal Creek, edge of Ladysmith, Ladysmith District, Cape Province. Elevation 1,200 feet. Bushy, pinelike shrub to six feet high; leaves dark green, linear; flowers pink with red bracts, in large showy heads.

273815. PROTEA LACTICOLOR Salisb.

Col. No. 19100. Zwartbergen Pass, Groot Zwartbergen, Prince Albert District, Cape Province. Elevation 4,000 feet. Tall shrub; branches slender, bracts pink.

273816. PROTEA LATIFOLIA R. Br.

Col. No. 19101. Zwartberg Pass. Shrub to six feet high, branches slender; flowers in pink-bracted heads.

273817. PROTEA MARGINATA Thunb.

Col. No. 19070. Maqui slope, Du Toits Kloof, Worcester District, Cape Province. Bushy shrub.

273818 to 273820. PROTEA MELLIFERA Thunb.

273818. Col. No. 18881. Mountain slope, Garcia Pass. Elevation 2,200 feet. Shrub; branches erect; leaves narrow; flowers white.

273819. Col. No. 19108. 'Sugarbush'. Sandy soil, Seven Weeks Poort, Lainsburg District, Cape Province. Elevation 2,500 feet. Erect shrub to six feet high, leafy, well formed. Abundant fire successionist in maqui.

273820. Col. No. 19120. Highland valley, Garcia Pass. Bushy shrub to six feet high; seed heads abundant.

273821. PROTEA sp.

Col. No. 19114. Rocky slope, Torinberg, Ladysmith District, Cape Province. Elevation 4,500 feet. Short, spreading shrub; leaves large; "cones" large with curly, dry bracts.

273822. RORIDULA sp. Droseraceae.

Col. No. 19035. Wet, peaty soil between Bot River and Kleinmond, Cape Province. Annual to 10 inches high; flowers reddish.

273823. SERRURIA ACROCARPA R. Br. Proteaceae.

Col. No. 19066. Rocky slope, Du Toits Kloof, Worcester District, Cape Province. Plant to three feet high, 4.5 feet wide, attractive; flower heads many colored.

273824. SERRURIA ELONGATA R. Br.

Col. No. 19048. Rocky mountain slope above Napier, Bredasdorp District. Elevation 700 feet. Perennial herb to 3.5 feet high; flowers mauve, in umbellate panicles.

273825. WATSONIA MERIANA (L.) Miller Iridaceae.

Col. No. 19037. Moist, peaty soil between Bot River and Kleinmond. Flowers yellow or salmon colored.

273792 to 273829—Continued

273826. *WATSONIA PYRAMIDATA* (Andrews) Klatt.

Col. No. 19036. Moist, peaty soil between Bot River and Kleinmond. Racemes long; flowers pink to red.

273827. *WATSONIA* sp.

Col. No. 19005.

273828. *WATSONIA* sp.

Col. No. 19126. Recently burned-over area, Outeniqua Pass, George District, Cape Province. Elevation 2,000 feet.

273829. *WATSONIA* sp.

Col. No. 19133. Eighteen miles west of Humansdorp. Elevation 150 feet. Flower spikes long; flowers bright orange.

273830 to 273859.

From Japan. Plants purchased from Miura-Noen, Nippa, Kohoku, Yokohama. Received April 6, 1961.

273830. *ACER CAPILLIPES* Maxim. ex Miquel Aceraceae.

'Kyo-nishiki'. Leaves variegated.

273831. *ACER PALMATUM* Thunb.

Japanese maple.

'Asahi-kaede'. Leaves variegated.

273832 and 273833. *ACER JAPONICUM* Thunb.

Fullmoon maple.

273832. 'Meigetsu'.

273833. 'O-taki'.

273834. *ACER PALMATUM* Thunb.

Japanese maple.

'Orido-nishiki'. Leaves large, variegated.

273835. *ACER MONO* Maxim. Aceraceae.

'Shufu-nishiki'. Leaves variegated.

273836 to 273859. *ACER PALMATUM* Thunb. Aceraceae. Japanese maple.

273836. 'Awo-seigai'.

273837. 'Beni-Shichikenge'.

273838. 'Daimyo-nishiki'.

273839. 'Hime-no-uchi'. Leaves green, long lobed, not cut to base.

273840. 'Iizimasunago'.

273841. 'Issun-kagami'.

273842. 'Kagiri-nishiki'.

273843. 'Karaori-nishiki'.

273844. 'Kasagiyama'.

273845. 'Kasen-nishiki'.

273846. 'Kinran'.

273847. 'Kurui-Jishi'.

273848. 'Mama'. Leaves small, upright.

273849. 'Masu-kagami'.

273850. 'Nishiki-gasane'.

273851. 'Ryumon-nishiki'.

273852. 'Samidare'.

273830 to 273859—Continued**273836 to 273859—Continued**

273853. 'Sazanami'. Leaves cut, purple.
 273854. 'Shishigashira'.
 273855. 'Tamukeyama'. Leaves small, red.
 273856. 'Beni-Shidore'. Leaves tricolored.
 273857. 'Tatsutagawa'. Leaves green.
 273858. 'Utsusemi'. Leaves large, yellowish.
 273859. 'Yatsubusa'. Leaves small.

273860 to 274017.

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 7, 1961.

273860 and 273861. *ANDROPOGON ABYSSINICUS* R. Br. Poaceae.

273860. Col. No. 1826. Road south of golf course, Agricultural College, Aremaya.

273861. Col. No. 1986. Nine miles west of Jimma.

273862. *ANDROPOGON ABYSSINICUS* R. Br. ex Fresen.

Col. No. 1960. Roadside field. Bunchgrass to 2.5 feet high.

273863. *ANDROPOGON PRATENSIS* Hochst. ex Hack.

Col. No. 1996. Twenty-five miles west of Jimma. Elevation 8,500 feet. Dense stand of solid turf; little grazed.

273864. *ARGYROLOBIUM ABYSSINICUM* Jaub. & Spach. Fabaceae.

Col. No. 1834. Wash, east side of college land, Aremaya. Bushy perennial resembling *Lotus*. Plants to one foot high.

273865. *AVENA* sp. Poaceae.

Col. No. 1959. Wild in barley field.

273866. *AVENA* sp.

Col. No. 1993. Wild in wheat field.

273867. *AVENA* sp.

Col. No. 1956. Wild in barley field.

273868. *AVENA* sp.

Col. No. 2028. Wild in Nadda region.

273869. *BROMUS* sp. Poaceae.

Col. No. 2026. Nadda region. Elevation 8,100 feet. Bunchgrass to five feet high; culms slender; leaves few; panicles large, slender, open.

273870. *BROMUS RUNSSOROENSIS* K. Schum.

Col. No. 2099. Five miles northwest of Ferda Chercher highlands. Tall bunchgrass; stems slender; leaves few; a forest grass.

273871. *CAJANUS CAJAN* (L.) Druce. Fabaceae.

Pigeonpea.

Col. No. 2035. Jimma garden. Shrub to six feet tall; peas edible.

273872 and 273873. *CARTHAMUS OXYACANTHUS* M. Bieb. Asteraceae.

273872. Col. No. 1824. Near corral, east side of college land, Aremaya. Plants to five feet high, much branched.

273873. Col. No. 1946. In wild, 20 miles south of Addis Ababa.

273860 to 274017—Continued

- 273874 to 273877. *CARTHAMUS TINCTORIUS* L. **Safflower.**
 273874. Col. No. 1857. Harar market.
 273875. Col. No. 1920. Addis Ababa market.
 273876. Col. No. 2110. Asmara market.
 273877. Col. No. 2118. Asmara market.
273878. *CHLORIS GAYANA* Kunth Poaceae. **Rhodesgrass.**
 Col. No. 2063. Coffee nursery between airport and Gondar.
- 273879 and 273880. *CICER ARIETINUM* L. Fabaceae. **Chickpea.**
 273879. Col. No. 1862. Harar market.
 273880. Col. No. 1935. Addis Ababa market.
273881. *CROTALARIA* sp. Fabaceae.
 Col. No. 1954. In wild, Experiment Station, Bishoftu.
273882. *CROTALARIA* sp.
 Col. No. 1984. In wild, eight miles west of Jimma. Elevation 6,500 feet.
273883. *CROTALARIA* sp.
 Col. No. 2021. Steep mountain slope, roadside, Nadda region. Elevation 7,500 feet. Suffrutescent herb to three feet high.
273884. *CROTALARIA* sp.
 Col. No. 2046. Coffee nursery area, Jimma. Plant about 20 feet high, three years old. May be coffee shade tree.
273885. *CYNODON* sp. Poaceae.
 Col. No. 1897.
- 273886 and 273887. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. **Ragi.**
 273886. Col. No. 1927. Addis Ababa market.
 273887. Col. No. 2120. Asmara market.
273888. *ELEUSINE JAEGERI* Pilger
 Col. No. 1919. Addis Ababa market. Stems tough, used for weaving baskets. May have erosion control and soil stabilization value.
- 273889 and 273890. *ERAGROSTIS TEF* (Zucc.) Trotter Poaceae. **Tef.**
 273889. Col. No. 1931. Addis Ababa market. Seeds red.
 273890. Col. No. 1932. Addis Ababa market. Seeds white.
- 273891 and 273892. *GLYCINE JAVANICA* L. Fabaceae.
 273891. Col. No. 1836. Plants wild on college land, Aremaya.
 273892. Col. No. 1981. Three miles west of Jimma. Climbing over tea plants in abandoned plantation.
273893. *GOSSYPIUM* sp. Malvaceae.
 Col. No. 1880. Harar market.
273894. *GOSSYPIUM* sp.
 Col. No. 1928. Addis Ababa market.
273895. *GOSSYPIUM* sp.
 Col. No. 2039. Jimma market.
273896. *GOSSYPIUM* sp.
 Col. No. 2056. Gondar market.

273860 to 274017—Continued**273897 to 273926. HORDEUM VULGARE L. Poaceae.**

- 273897.** Col. No. 1818. Village five miles west of Aremaya. Used as a thatch.
- 273898.** Col. No. 1856. Harar market.
- 273899.** Col. No. 1863. Harar market.
- 273900.** Col. No. 1891. Dire Dawa market.
- 273901.** Col. No. 1936. Addis Ababa market.
- 273902.** Col. No. 1955. Plateau, 10 miles northwest of Addis Ababa. Elevation 9,200 feet.
- 273903.** Col. No. 1958. Plateau, 12 miles northwest of Addis Ababa. Elevation 9,000 feet.
- 273904.** Col. No. 1988. Nine miles west of Jimma. Elevation 6,700 feet.
- 273905.** Col. No. 1997. Six miles from Agoro. Elevation 7,500 feet.
- 273906.** Col. No. 2007. Socca market.
- 273907.** Col. No. 2008. Socca market.
- 273908.** Col. No. 2030. Nadda region. Elevation 8,200 feet.
- 273909.** Col. No. 2036. Jimma market.
- 273910.** Col. No. 2055. Gondar market. Seeds black.
- 273911.** Col. No. 2058. Gondar market. Seeds white.
- 273912 to 273920.** Agricultural College, Aremaya. From Debre Berkan.
- 273912.** Col. No. 2066.
- 273913.** Col. No. 2067.
- 273914.** Col. No. 2068.
- 273915.** Col. No. 2070.
- 273916.** Col. No. 2071.
- 273917.** Col. No. 2072.
- 273918.** Col. No. 2074. Seeds black, two rowed, with unusual glumes on fertile spikelets. Said to be good for malting.
- 273919.** Col. No. 2075.
- 273920.** Col. No. 2076.
- 273921 to 273923.** Agricultural College, Aremaya.
- 273921.** Col. No. 2080.
- 273922.** Col. No. 2081. Seeds naked, two rowed.
- 273923.** Col. No. 2084.
- 273924.** Col. No. 2095. Mountainside, three miles southwest of Carmella, Chercher Highlands. Elevation 7,670 feet.
- 273925.** Col. No. 2096. Six miles east of Ferda, Chercher Highlands. Elevation 8,200 feet.
- 273926.** Col. No. 2116. Asmara market.

273927. HYPARRHENIA CYMBARIA (L.) Stapf. Poaceae.

- Col. No. 1831. Lower terrace, Agricultural College, Aremaya. Bunchgrass to six feet high.

273860 to 274017—Continued

273928. *HYPARRHENIA HIRTA* (L.) Stapf.

Col. No. 1820. Small deferred patch, 10 miles west of Aremaya. Plants to six feet high, stemmy.

273929. *HYPARRHENIA RUFA* (Nees) Stapf.

Col. No. 1839. Agricultural College, Aremaya. Plants to seven feet high.

273930. *HYPARRHENIA HIRTA* (L.) Stapf.

Col. No. 1949. Roadside, 25 miles south of Addis Ababa. Bunchgrass to 4.5 feet high; stems slender; racemes silvery, nodding.

273931. *HYPARRHENIA RUFA* (Nees) Stapf.

Col. No. 1950. Roadside, 25 miles south of Addis Ababa. Plants to 5.5 feet high.

273932. *HYPARRHENIA* sp.

Col. No. 2011. One mile east of Socca. Plants to 11 feet high.

273933. *HYPARRHENIA* sp.

Col. No. 2060. Airport, Debre Markos. Bunchgrass to 3.5 feet high.

273934. *HYPARRHENIA* sp.

Col. No. 2064. Near coffee nursery, between airport and Gonder. Reddish-brown bunchgrass to 3.5 feet high; racemes short.

273935 and 273936. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**

273935. Col. No. 1850. Harar market.

273936. Col. No. 1922. 'Telva'. Addis Ababa market.

273937 and 273938. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

273937. Col. No. 1837. Plants in wild, pasture near Agricultural College, Lake Aremaya. Well grazed.

273938. Col. No. 1896. Plants in wild, in turf.

273939. *NIGELLA SATIVA* L. Ranunculaceae. **Black cumin.**

Col. No. 1877. 'Avosedda'. Harar market.

273940. *PENNISETUM* sp. Poaceae.

Col. No. 1944. Thin rocky soil, 25 miles north of Bishoftu. Bunchgrass in wild, to three feet high; plants tough and stemmy.

273941. *PENNISETUM* sp.

Col. No. 1957. Tough, wiry, stemmy bunchgrass to 3.5 feet high.

273942. *PENNISETUM* sp.

Col. No. 1961. Plateau, 11 miles northwest of Addis Ababa. Elevation 9,200 feet. Plant tough, to six feet high; used for basket weaving.

273943. *PENNISETUM* sp.

Col. No. 2015. Roadside field two miles east of Socca. Used for basket weaving.

273944 to 273946. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

273944. Col. No. 1869. Harar market.

273945. Col. No. 2043. Jimma market.

273946. Col. No. 2108. Asmara market.

273860 to 274017—Continued

- 273947 to 273949. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
 273947. Col. No. 1870. Harar market. Seeds brown.
 273948. Col. No. 1911. Addis Ababa market. Seeds brown.
 273949. Col. No. 2052. Gondar market. Seeds nearly white.
273950. *SETARIA POLYPHYLLA* Stapf. Poaceae.
 Col. No. 1948. Bunchgrass to 2.5 feet high.
273951. *SORGHUM HALEPENSE* (L.) Pers. Poaceae. **Johnsongrass.**
 Col. No. 1953. Experiment Station, Bishoftu. Could be a short-day type.
273952. *SORGHUM VERTICILLIFLORUM* (Steud.) Stapf **Tabucki grass.**
- 273953 to 273972. *SORGHUM BICOLOR* (L.) Moench
 273953. Col. No. 1848. Harar market. Grain yellow.
 273954. Col. No. 1860. Harar market.
 273955. Col. No. 1883. Dire Dawa market.
 273956. Col. No. 1899. Farm two miles east of Agricultural College, Aremaya.
 273957. Col. No. 1910. 'Zengada'. Addis Ababa market.
 273958. Col. No. 1921. Addis Ababa market. Seeds pearly.
 273959. Col. No. 1929. Addis Ababa market.
 273960. Col. No. 1934. Addis Ababa market. Red-seeded types.
 273961. Col. No. 1952. Koka dam site, Awash River, Addis Ababa. Heads open. Used in making bread.
 273962. Col. No. 1998. Socca market.
 273963. Col. No. 2005. Socca market. Seeds red.
 273964. Col. No. 2006. Socca market. Seeds white.
 273965. Col. No. 2013. Field 1.6 miles east of Socca. Plant 12 feet high; head open; seeds white.
 273966. Col. No. 2050. Gondar market.
 273967. Col. No. 2057. Gondar market.
 273968. Col. No. 2079. Agricultural College, Aremaya.
 273969. Col. No. 2106. Asmara market.
 273970. Col. No. 2109. Asmara market. Seeds yellow.
 273971. Col. No. 2114. Asmara market. Seeds yellow.
 273972. Col. No. 2117. Asmara market. Seeds large.
273973. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. **Fenugreek.**
 Col. No. 1855. Abish. Harar market.
- 273974 to 273976. *TRITICUM ABYSSINICUM* Steud. Poaceae.
 273974. Col. No. 1842. Harar market. Seeds purple.
 273975. Col. No. 1932. Addis Ababa market.
 273976. Col. No. 1938. Roadside field, southern edge of Addis Ababa.
273977. *TRITICUM AESTIVUM* L. **Common wheat.**
 Col. No. 1985. Steep hillside, nine miles west of Jimma. Elevation 6,700 feet. Italian wheat.

273860 to 274017—Continued

- 273978 to 273982. *TRITICUM DICOCCUM* Schrank **Emmer.**
273978. Col. No. 1817. Intensively farmed area, steep slopes, soil reddish. Village five miles west of Aremaya, Harar Province. Elevation 6,000 feet.
273979. Col. No. 1854. Harar market.
273980. Col. No. 1914. Addis Ababa market. Used for breakfast food and in medicine.
273981. Col. No. 1940. Five and one-half miles south of Addis Ababa.
273982. Col. No. 2098. Steep mountain slope, Chercher Highlands, three miles east of Ferda. Elevation 8,200 feet.
- 273983 to 273986. *TRITICUM TURGIDUM* L. **Poulard wheat.**
273983. Col. No. 2027. Steep slope, Nadda region. Elevation 8,100 feet. Plants to five feet high; awns long.
273984. Col. No. 2042. Jimma market.
273985. Col. No. 2047. Field five miles south of Addis Ababa.
273986. Col. No. 2051. Gondar market.
273987. *TRITICUM* sp.
Col. No. 1847. Harar market.
273988. *TRITICUM* sp.
Col. No. 1849. Harar market.
273989. *TRITICUM* sp.
Col. No. 1858. Harar market.
273990. *TRITICUM* sp.
Col. No. 1864. Harar market.
273991. *TRITICUM* sp.
Col. No. 1924. Addis Ababa market.
273992. *TRITICUM* sp.
Col. No. 1937. Southern edge of Addis Ababa.
273993. *TRITICUM* sp.
Col. No. 1939. Field five miles south of Addis Ababa.
273994. *TRITICUM* sp.
Col. No. 1941. Five and one-half miles south of Addis Ababa. Black-glumed wheat.
273995. *TRITICUM* sp.
Col. No. 1942. Six miles south of Addis Ababa. Purple wheat.
273996. *TRITICUM* sp.
Col. No. 1943. Six miles south of Addis Ababa.
273997. *TRITICUM* sp.
Col. No. 2065. Imperial Ethiopian College, Aremaya. From Debre Berkan.
273998. *TRITICUM* sp.
Col. No. 2069. Imperial Ethiopian College, Aremaya. From Debre Berkan.

273860 to 274017—Continued**273999. TRITICUM sp.**

Col. No. 2073. Agricultural College, Aremaya. From Debre Berkan.

274000. TRITICUM sp.

Col. No. 2077. Agricultural College, Aremaya. From Debre Berkan.

274001. TRITICUM sp.

Col. No. 2078. Agricultural College, Aremaya. From Debre Berkan.

274002. TRITICUM sp.

Col. No. 2082. 'Gonde'. Agricultural College, Aremaya. From Debre Berkan.

274003. TRITICUM sp.

Col. No. 2094. Chercher Highlands three miles southwest of Cormella. Elevation, 7,670 feet.

274004. VICIA FABA L. Fabaceae.**Broadbean.**

Col. No. 1844. Harar market.

274005. VICIA sp.

Col. No. 2113. 'Sebere'. Asmara market.

274006. VIGNA CYLINDRICA (L.) Skeels Fabaceae.**Catjang.**

Col. No. 2111. Asmara market.

274007. VIGNA SINENSIS (Torner) Savi**Cowpea.**

Col. No. 2107. Asmara market.

274008 to 274017. ZEA MAYS L. Poaceae.**Corn.****274008.** Col. No. 1846. Harar market.**274009.** Col. No. 1892. Dire Dawa market.**274010.** Col. No. 1894. Dire Dawa market.**274011.** Col. No. 1913. Addis Ababa market.**274012.** Col. No. 1926. Addis Ababa market.**274013.** Col. No. 2000. Socca market.**274014.** Col. No. 2004. Socca market.**274015.** Col. No. 2053. Gondar market.**274016.** Col. No. 2105. Asmara market.**274017.** Col. No. 2115. Asmara market.**274018 to 274029.**

From Great Britain. Plants purchased from R. C. Notcutt, Limited, Woodbridge, Suffolk, England. Received April 10, 1961.

274018. CAMELLIA JAPONICA L. Theaceae.**Common camellia.**

'Jupiter'.

274019 and 274020. CLEMATIS (hybrids). Ranunculaceae.**274019.** 'Duchess of Sutherland'.**274020.** 'Duke of Edinburgh'.**274021 and 274022. HIBISCUS SYRIACUS L. Malvaceae.****Shrub-althea.****274021.** 'Ramunculiflorus Plenus'.**274022.** 'Rubis Woodbridge'.

274018 to 274029—Continued

274023. *SKIMMIA* × *FOREMANII* var. *ROGERSII* (Masters) Rehder Rutaceae.

274024. *SKIMMIA LAUREOLA* (DC.) Sieb. & Zucc.

274025. *SKIMMIA REEVESIANA* var. *RUBELLA* (Carr.) Rehder

274026. *SKIMMIA VEITCHII* Carr.

274027 and 274028. *VIBURNUM* × *BODNANTENSE* Aberconway

Caprifoliaceae.

274027. 'Dawn'.

274028. 'Deben'.

274029. *VIBURNUM TINUS* L.

Laurustinus.

'Clyne Castle'.

274030 to 274032. *SORGHUM BICOLOR* (L.) Moench Poaceae.

From Ethiopia. Seeds presented by the United States Operations Mission, Addis Ababa. Received April 11, 1961.

274030. 'Ethiopian Selection No. 3'.

274031. 'Ethiopian Selection No. 4'.

274032. 'Kulubi Dwarf'.

274033 to 274037.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 11, 1961.

274033. *ASPARGUS* sp. Convallariaceae.

Col. No. 18897. Near Uitenhage Cape Province. Elevation 300 feet. Scandent perennial.

274034. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.

Watermelon.

Col. No. 19053. Napier, Bredasdorp District, Cape Province. Plants spontaneous about the farmlands.

274035. *CITRULLUS* sp.

Col. No. 956. Disturbed soil near roadside, 20 miles east of Middelberg, road to Steynsberg, Cape Province. Sprawling herb; flowers yellow.

274036. *CUCUMIS AFRICANUS* L. f. Cucurbitaceae.

Col. No. 19172. Gravelly ground, Pietersburg, Transvaal.

274037. *CYCLOPIA* sp. Fabaceae.

Col. No. 19072. Near Tulbagh, Cape Province. Virgate perennial to three feet high. Probably used for tea.

274038 and 274039. *GOSSYPIUM BARBADENSE* L. Malvaceae.

Sea-island cotton.

From British Guiana. Seeds presented by the Central Agricultural Station, Department of Agriculture, Georgetown. Received April 11, 1961.

274038. No. 1. From Kitty, East Coast, Demerara.

274039. No. 2. From Beterverwagting, East Coast, Demerara. Shrub to 12 feet high; branches purplish, slightly pubescent; leaves three lobed, acuminate; stipules linear; flowers axillary with involucre of three heart-shaped laciniate bracts; calyx obsoletey dentate; petals yellow with purplish tinge; seeds covered with green fuzz; lint easily separable.

274040 and 274041. CORONILLA VARIA L. Fabaceae.**Crownvetch.**

From the United States. Seeds held in storage at the United States Regional Plant Introduction Station, Ames, Iowa. Numbered April 11, 1961.

274040. M1-4902. Collected between Decorah and Calmar, Winneshiek County, Iowa. Plants vigorous, semiprostrate, fall recovery good, hardy, good seed producer.

274041. M1-5819. Collected at Sunrise, Kentucky. Description same as P.I. 274040.

274042 to 274065. SPINACIA OLERACEA L. Chenopodiaceae.**Spinach.**

From Great Britain. Seeds presented by the Unilever Limited Food Research Department, Bedford, England. From breeders as indicated. Received April 11, 1961.

274042. 'Best of All'. From Abraham Sluis.

274043. 'Clucas Broadleaf'. From J. L. Clucas Limited.

274044. 'Early Giant' (Prickly-seeded). From Sluis en Groot.

274045. 'El-De-Es'. From Zwaan and De Wiljes.

274046. 'Elsoms 23'. From Elsom.

274047. 'Elsoms 23' × 'Troubadour' (Hybrid Cgl.) From Colworth.

274048. 'Giant Early Leaf'. From Sluis en Groot.

274049. 'Hammenhogs Vinter'. From Otto J. Olsen and Sons.

274050. 'Hiemalis'. From Sluis Bros.

274051. 'Matador Improved'. From Dochnfeldts.

274052. 'Nobell II'. From Weibulls.

274053. 'Noorman'. From Jacob Jong.

274054. 'Noorman'. From Rijk Zwaans.

274055. 'Noorman Viking'. From Evesham.

274056. 'Prolog'. From Rijk Zwaans.

274057. 'Stamef'. From Wed P. de Jong.

274058. 'Summer Savoy'. From Zwaan and De Wiljes.

274059. 'Supra'. From Zwaan and De Wiljes.

274060. 'Toftegard'. From Hansens.

274061. 'Viking'. From Dochnfeldts.

274062. 'Viking'. From Otto J. Olsen and Sons.

274063. 'Viking'. From Sluis en Groot.

274064. 'Viking II'. From Weibulls.

274065. 'Wisemona'. From Sperling.

274066. MALUS SYLVESTRIS Mill. Malaceae.

From Denmark. Scions presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received April 11, 1961.

'Hermann'.

274067. PYRACANTHA CRENULATA (D. Don) Roemer Malaceae.**Nepal firethorn.**

From Great Britain. Cuttings presented by the Royal Botanic Garden, Edinburgh, Scotland. Received April 11, 1961.

'Taliensis'.

274068 to 274077.

From Great Britain. Seeds presented by the Department of Agricultural Botany, Reading University, Reading, England. Received April 11, 1961.

- 274068.** MELILOTUS ALBA Desr. Fabaceae. **White sweetclover.**
No. 251.
- 274069.** MELILOTUS OFFICINALIS (L.) Lam. **Yellow sweetclover.**
No. 252.
- 274070 and 274071.** TRIFOLIUM HYBRIDUM L. Fabaceae. **Alsike clover.**
274070. No. 258 (2X).
274071. No. 259 (4X).
- 274072.** TRIFOLIUM INCARNATUM L. **Crimson clover.**
No. 260.
- 274073.** TRIFOLIUM OCHROLEUCON Huds.
No. 261.
- 274074.** TRIFOLIUM PANNONICUM Jacq.
No. 262.
- 274075 and 274076.** TRIFOLIUM PRATENSE L. **Red clover.**
274075. No. 263. 'Vale of Clwyd' (2X).
274076. No. 264 (4X).
- 274077.** TRIFOLIUM REPENS L. **Whiteclover.**
No. 265 (4X).

274078 to 274091.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 11, 1961.

- 274078.** ARGYROLOBIUM sp. Fabaceae.
Col. No. 19166. Rocky slope, Haenertsburg, Pietersburg District, Transvaal. Elevation 4,500 feet. Bushy, perennial herb to 20 inches high.
- 274079.** CROTALARIA AUSTRALIS Bak. f. ex Char.
Col. No. 19162. Grassland, Pietersburg, Transvaal. Bushy herb to four feet high; flowers yellow; spikes long, seeding freely.
- 274080.** CROTALARIA sp.
Col. No. 19170. Gravelly roadside, Pietersburg, Transvaal. Bushy summer annual to 16 inches high; flowers yellow; spikes long; seed pods small, obovoid.
- 274081.** PASPALUM DILATATUM Poir. Poaceae. **Dallisgrass.**
Col. No. 19155. Havelock, Swaziland. Elevation 4,000 feet. Plants with long, weak canes; leaves sparse.
- 274082.** CENCHRUS CILIARIS L. Poaceae.
Col. No. 19092. Along barren pit and arroyo, 30 miles northeast of Beaufort West, Cape Province. Xerophyte with much palatable foliage.
- 274083.** PLAGIOCHLOA UNIOLAE (L.f.) Adamson & Sprague Poaceae.
Col. No. 19068. Du Toits Kloof, Worcester District, Cape Province. Plants form small bushy clumps to two feet high; culms numerous.

274078 to 274091—Continued

274084. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

Col. No. 19161. Roadside thorn forest, between Lydenburg and Pietersburg, Transvaal. Spreading bush to four feet high.

274085. *SESAMUM ALATUM* Thonn. Pedaliaceae.

Col. No. 19156. Sandy granitic soil, Pretorius Kop, Kruger Park, Transvaal. Annual to three feet high; stem slender, single.

274086 and 274087. *SESAMUM ANGOLENSE* Welw.

274086. Col. No. 19167. Acacia grassland, 29 miles south of Messina, Transvaal. Tall virgate annual; some stems branching; flowers mauve, livid on lower lip.

274087. Col. No. 19173. Gravelly roadside, 17 miles north of Nylstroom, Waterberg District, Transvaal. Short-lived herbaceous perennial to six feet high; stem woody; branches long, divergent; flowers pale mauve; capsules sparse, indeterminate.

274088. *SESAMUM* sp.

Col. No. 19143. Sandy soil in Karoo veld, 22 miles south of Koffiefontein, road to Fauresmith. Indeterminate summer annual to four feet high; flowers purple; capsules paired along stem.

274089. *TEPHROSIA* sp. Fabaceae.

Col. No. 19174. Gravelly roadside, 17 miles north of Nylstroom, Waterberg District, Transvaal. Perennial herb, to six feet high, with single caudex; branches, several, arching; flowers pale lavender.

274090. *TETRACHNE DREGEI* Nees Poaceae.

Col. No. 19141. Environs of Grootfontein. Elevation 4,000 feet. Well tufted xerophytic summer grass; leaves green. Seeds easily germinated but have high mortality as seedling lifts itself out of the soil. Valued as pasture grass.

274091. *THEMEDA TRIANDRA* Forsk. Poaceae. **Rooi grass.**

Col. No. 18906. Roadside, Karoo Veld, 20 miles southeast of Middelberg, towards Cradock, Cape Province. Elevation 3,500 feet. Leafy, bushy perennial to 32 inches high. Well grazed. Annual rainfall 12 to 20 inches. Temperature low as 15° F.

274092 and 274093.

From Colombia. Cuttings presented by George C. Van den Bergh, Barranquilla. Received April 12, 1961.

274092. *HIBISCUS* sp. Malvaceae.

274093. *HIBISCUS* sp.

274094 to 274097.

From Finland. Cuttings presented by Mustilan Taimitarhat, Mustila, Elimaki. Received April 13, 1961.

274094. *LARIX GMELINII* (Rupr.) Rupr. Pinaceae.

274095. *LARIX GMELINII* var. *JAPONICA* (Reg.) Pilger

274096. *LARIX GMELINII* var. *OLGENSIS* (Henry) Ost. & Syr.-Lar.

274097. *LARIX OCCIDENTALIS* Nuttall

274098 to 274151.

From the Netherlands. Plants purchased from William C. Hage, Boskoop. Received April 14, 1961.

274098. *ABIES AMABILIS* (Loud.) Forbes Pinaceae.

'Procumbens'.

274098 to 274151—Continued

274099. *ABIES CEPHALONICA* Loud. Greek fir.
 'Nana'.
274100. *ABIES NORDMANNIANA* f. *AUREA* (Beissn.) Rehder
 'Spicata'.
274101. *ABIES NUMIDICA* DeLannoy ex Carr. Algerian fir.
 'Glauca'.
274102. *ABIES PROCERA* f. *PROSTRATA* (Hornibr.) Rehder
- 274103 to 274107. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Lawson falsecypress.
 Pinaceae.
274103. 'Darlensis'. 274106. 'Lombarts Glauca'.
274104. 'Drummondii'. 274107. 'New Golden'.
274105. 'Hogger'.
274108. *CHAMAECYPARIS LAWSONIANA* f. *ARGENTEA* (Gord.) Beissn.
 'Caudata'.
274109. *CHAMAECYPARIS LAWSONIANA* f. *FRASERI* (Beissn.) Lipa. Falsecypress.
- 274110 to 274114. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. Hinoki falsecypress.
274110. 'Hages'. 274113. 'Templehof'.
274111. 'Lutea Nova'. 274114. 'Tonia'.
274112. 'Repens'.
274115. *CHAMAECYPARIS OBTUSA* f. *ALBO-SPICA* (Beissn.) Beissn.
274116. *CHAMAECYPARIS OBTUSA* f. *AUREA* (Gord.) Rehder
 'Spicata'.
274117. *CHAMAECYPARIS NOOTKATENSIS* f. *PENDULA* (Beissn.) Rehder
 'Argentea-Variegata'.
274118. *JUNIPERUS CHINENSIS* L. Pinaceae. Chinese juniper.
 'Kaizuka'.
274119. *JUNIPERUS COMMUNIS* L. Common juniper.
 'Candalabriformis'.
274120. *JUNIPERUS SCOPULORUM* f. *HORIZONTALIS* (D. Hill) Rehder
- 274121 to 274125. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.
274121. 'Acracona'. 274124. 'Echiniformis Glauca'.
274122. 'Cranstoni'. 274125. 'Hornibrooki'.
274123. 'Doversi Pendula'.
274126. *PICEA ABIES* f. *FINEDONENSIS* (Gord.) Rehder
274127. *PICEA ABIES* f. *VIMINALIS* (Alstr.) Lindman
274128. *PINUS* (hybrid). Pinaceae.
274129. *PICEA LIKIANGENSIS* var. *BALFOURIANA* (Rehd. & Wils.) Cheng
 Pinaceae.
274130. *PICEA ORIENTALIS* f. *AUREO-SPICATA* Beissn.
- 274131 and 274132. *PICEA PUNGENS* Englem.
274131. 'Endzii'.
274132. 'Otto von Bismark'.

274098 to 274151—Continued

274133. *ABIES* sp. Pinaceae.
'Pendula'.
- 274134 and 274135. *PINUS CEMBRA* L. Pinaceae. Swiss stone pine.
274134. 'Compacta'.
274135. 'Compacta Glauca'.
- 274136 and 274137. *PINUS HELDREICHII* var. *LEUCODERMIS* (Ant.) Markgraf.
274136. No data.
274137. 'Aureo-Spicata'.
- 274138 and 274139. *PINUS MUGO* Turra. Swiss mountain pine.
274138. 'Mops'.
274139. 'Kobolt'.
274140. *PINUS NIGRA* Arnold Austrian pine.
'Aurea'.
274141. *PINUS PARVIFLORA* Sieb. & Zucc. Japanese white pine.
'Gimborni'.
274142. *PINUS PARVIFLORA* f. *GLAUCA* Beissn.
'Ho-I-Mey'.
274143. *PINUS* × *SCHWERINII* Fitschen
274144. *PINUS STROBUS* L.
'Nivea'.
274145. *PICEA* sp. Pinaceae.
'Blue Wonder'.
274146. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco. Pinaceae. Douglas-fir.
274147. *TAXUS BACCATA* L. Taxaceae. English yew.
'Cavendishi'.
- 274148 and 274149. *THUJA OCCIDENTALIS* L. Pinaceae.
274148. 'Beaufort'.
274149. 'Indomitable'.
274150. *TSUGA HETEROPHYLLA* (Raf.) Sarg. Pinaceae. Western hemlock.
'Conica'.
274151. *TSUGA MERTENSIANA* f. *ARGENTEA* (Beissen.) Rehder

274152 to 274159.

From India. Plants purchased from the Imperial Nursery, Calcutta. Received April 17, 1961.

274152. *HOLMSKIOLDIA SANGUINEA* Retz. Verbenaceae.
274153. *LAGERSTROEMIA THORELLI* Gagnep. Lythraceae.
274154. *LAGERSTROEMIA* sp.
274155. *LAGERSTROEMIA* sp.
274156. *LAWSONIA INERMIS* L. Lythraceae. Henna.
'Alba'.
274157. *MAGNOLIA MUTABILIS* Regel Magnoliaceae.
274158. *MAGNOLIA PUMILA* Andr.
274159. *MAGNOLIA PTEROCARPA* Roxb.

274160 to 274170.

From Sweden. Plants presented by Magnus Johnson's Plantskola, Soder-talje. Received April 17, 1961.

274160. CLEMATIS AETHUSIFOLIA Trucz. Ranunculaceae.
 274161. CLEMATIS FARGESII var. SOULEI Finet & Gagnepain
 274162. CLEMATIS FUSCA var. VIOLACEA Maxim.
 274163. CLEMATIS GLAUCA var. AKEBIOIDES (Maxim) Rehd. & Wils.
 274164. CLEMATIS GOURIANA Roxb.
 274165. CLEMATIS GRACILIFOLIA Rehd. & Wils.
 274166. CLEMATIS MEYENIANA Walpers.
 274167. CLEMATIS SERRATIFOLIA Rehd. Korean clematis.
 274168. CLEMATIS TANGUTICA (Maxim.) Korsh. Golden clematis.
 274169. CLEMATIS TOSAENSIS Makino
 'Cremea'.
 274170. CLEMATIS sp.

274171 to 274173.

From Canada. Plants purchased from the Alpenglow Gardens, New West-minister, British Columbia. Received April 19, 1961.

274171. CLEMATIS sp. Ranunculaceae.
 274172. EUCRYPHIA GLUTINOSA (Poepp. & Endl.) Baillon Eucryphiaceae.
 274173. PHILADELPHUS sp. Hydrangeaceae.
 'Nuage Rose'.

274174. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill. Currant tomato.

From the United States. Seeds held in storage at the Regional Plant Intro-duction Station, Ames, Iowa.

A component of P.I. 262892, from Mexico. Plant indeterminate, medium size, intermediate habit; stem hairy; leaves medium small, nonpotato, non-wilty; fruit nonpubescent, without cracks, globe shape 0.25-0.375 inch, two loculed, nonfasciated; flesh red, medium dark; skin yellow. Fruit set light, early-midseason variety. Susceptible to mosaic and slightly to *Alternaria*.

274175 to 274204. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From the United States. Seeds held in storage at the Regional Plant Intro-duction Station, Experiment, Georgia. Seeds originally from Bolivia, via the Manfredi Experiment Station, Argentina, and the University of North Carolina. Received April 21, 1961.

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| 274175. No. 470. RCM 368. | 274185. No. 480. RCM 378. |
| 274176. No. 471. RCM 369. | 274186. No. 481. RCM 379. |
| 274177. No. 472. RCM 370. | 274187. No. 482. RCM 380. |
| 274178. No. 473. RCM 371. | 274188. No. 483. RCM 381. |
| 274179. No. 474. RCM 372. | 274189. No. 484. RCM 382. |
| 274180. No. 475. RCM 373. | 274190. No. 485. RCM 383. |
| 274181. No. 476. RCM 374. | 274191. No. 486. RCM 384. |
| 274182. No. 477. RCM 375. | 274192. No. 487. RCM 385. |
| 274183. No. 478. RCM 376. | 274193. No. 488. RCM 386. |
| 274184. No. 479. RCM 377. | 274194. No. 489. RCM 387. |

274175 to 274204—Continued

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|---------------------------|---------------------------|
| 274195. No. 490. RCM 388. | 274200. No. 495. RCM 393. |
| 274196. No. 491. RCM 389. | 274201. No. 496. RCM 416. |
| 274197. No. 492. RCM 390. | 274202. No. 497. RCM 420. |
| 274198. No. 493. RCM 391. | 274203. No. 498. RCM 421. |
| 274199. No. 494. RCM 392. | 274204. No. 499. RCM 448. |

274205 to 273212. GLYCINE MAX (L.) Merrill Fabaceae.**Soybean.**

From Korea. Seeds presented by the Agricultural Experiment Station, Suwon. Received April 21, 1961.

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| 274205. 'Boosuk'. | 274209. 'Kumdu'. |
| 274206. 'Choongpuk Back'. | 274210. 'Kumkang Dailip'. |
| 274207. 'Choojun'. | 274211. 'Kumkang Solip'. |
| 274208. 'Icksan'. | 274212. 'Rikuw No. 3'. |

274213 to 274216. ORYZA SATIVA L. Poaceae.**Rice.**

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Hishigahard, Kita-ku. Received April 24, 1961.

274213. No. 65-112. 'To-to'.
274214. No. 10-1273. 'Pi 4'.
274215. No. 10-1272. 'Pi 3'.
274216. No. 10-1336. 'Kongo' (Br 1).

274217 to 274223. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From the Union of Soviet Socialist Republics. Tubers presented by the All-Union Institute for Plant Industry, Leningrad. Received April 24, 1961.

274217. 'Detskoselskij'. 'Early Rose' × X F₂ (*S. demissum* × *S. andigenum*). Early. Wart and *Phytophora* resistant.
274218. 'Hibinian Early'.
274219. 'Kameraz No. 1'. ('Fitoforoustojezivyj' × 'Zickingen'). Main crop. Wart and *Phytophora* resistant. Excellent virus indicator as all virus infections reportedly are visible.
274220. 'Lorch' ('Switez' × 'Furstenkrone'). Main crop. Susceptible to wart.
274221. 'Murmanskij'. 'Epicure' × ('Epicure' × 'Cobbler'). Early. Wart resistant. Susceptible to *Oospora pustulans*.
274222. 'Priekulskij Rannij'. 'Cobbler' × 'Jubel'. Earliest. Wart resistant.
274223. 'Tmandra'. Has good canning qualities. Grown on Kolsnij Peninsula north of the Arctic Circle.

274224. VITIS VINIFERA L. Vitaceae.**European grape.**

From the Union of Soviet Socialist Republics. Cuttings presented by the All-Union Institute for Plant Industry, Leningrad. Received April 24, 1961.

- 'Saperavi'.

274225 to 274228. CITRUS GRANDIS (L.) Osbeck Rutaceae. Shaddock.

From Vietnam. Seeds presented by the Directorate of Agriculture, Saigon. Received April 24, 1961.

274225. 'Bui Da Lang'. Skin smooth.
 274226. 'Bui Duong Hong'. Fruit red, sweet.
 274227. 'Bui Oi'.
 274228. 'Bui Thanh-Tra'.

274229. GLYCINE HEDYSAROIDES Willd. Fabaceae.

From Tanganyika. Seeds presented by the Southern Region Research Center, Nachingwea. Received April 24, 1961.

274230 to 274237.

From Germany. Cuttings presented by the Forschungs-Institut für Rebenzucht, Gailweilertshof Siebeldingen über Landau. Received April 3, 1961. Numbered April 25, 1961.

- 274230 and 274231. VITIS (hybrids). Vitaceae.
 274230. Received as *V. bosenheim* (Sylvaner) 412.
 274231. Received as *V. dorrenbach* (Muller-Thurgau) 412.
 274232 to 274234. VITIS BERLANDIERI Planch. Wintergrape.
 274232. 'La Font 9'.
 274233. 'Salomon NR. 2'.
 274234. 'Salomon WH 55'.
 274235 and 274236. VITIS RUPESTRIS Scheele Sandgrape.
 274235. 'St. George'.
 274236. No data.
 274237. VITIS VINIFERA L. European grape.
 Received as *V. kalkofen* 1 (Riesling) 412.

274238 and 274239.

From the United States. Seeds presented by Ira J. Condit, Riverside, Calif. Received April 25, 1961.

274238. FICUS NEMORALIS Wall. ex Miquel Moraceae.
 274239. FICUS ROXBURGHII Wall. ex Miquel

274240. PERSEA AMERICANA Mill. Lauraceae. Avocado.

From the United States. Seed presented by R. A. Young, Takoma Park, Md. Received April 25, 1961.

Fruit purchased at local market; of interest because of small tight-fitting seed. Fruit long, pear-shaped, 5 by 2.5 inches, weight 10 to 12 ounces; skin dark green, slightly roughened, leathery; flesh firm, light colored; seed pointed, weight 0.33 ounce.

274241. ASPALATHUS CONTAMINATUS (L.) Druce Fabaceae.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 25, 1961.

Col. No. 994. 'Red Bush Tea'. Clanwilliam District, Cape Province. Perennial cultivated for tea.

274242 to 274244.

From the United States. Seeds presented by the Department of Vegetable Crops, Agricultural Experiment Station, Davis, California. Received April 25, 1961.

274242 and 274243. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae. Cabbage.

274242. 'Brela'.

274243. 'Dalmatian'.

274244. BRASSICA OLERACEA var. VIRIDIS L.

'Korcula'. Leaf cabbage.

274245 to 274247. HIBISCUS SABDARIFFA L. Malvaceae.**Roselle.**

From Nigeria. Seeds presented by the Rurale Ministere de l'Economie, Maradi. Received April 25, 1961.

274245. T. HS. No. 1. From Senegal.

274246. T. HS. No. 5. From Senegal.

274247. T. HS. No. 6. From Maradi.

274248 to 274253. ARACHIS HYPOGAEA L. Fabaceae. **Peanut.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Experiment, Georgia. Originally from the Mizarat of Agriculture, Sidi Mesri, Tripoli, Libya. Numbered April 25, 1961.

274248. T 1304. 'Tripoli-2'. A strain used during the Italian administration.

274249. T 1305. 'Tripoli-4'. A strain used during the Italian administration.

274250. T 1306. 'Wizari'. Originally from Libya and Egypt.

Originally from the United States but grown in Libya.

274251. T 1307. 'North Carolina'.

274252. T 1308. 'Virginia Bunch'.

274253. T 1309. 'Valencia'.

274254. ALLIUM FISTULOSUM L. Liliaceae.**Welsh onion.**

From Japan. Seeds presented by the Department of Horticulture, National Institute of Agricultural Science, Hiratsuka. Received April 25, 1961.

('Senju' × 'Sunamuya') × 'Senju'. A backcross generation segregating into a 1:1 ratio of male-sterile and male-fertile populations.

274255 to 274259.

From the United States. Plants collected by J. Benton Storey, Texas Agricultural and Mechanical College, College Station, Texas. Numbered April 25, 1961.

274255. CITRUS RETICULATA Blanco Rutaceae. **Mandarin orange.**

Col. No. Tex. 5. 'Changsha Tangerine'. Dwarf tree on Texas A. & M. Horticultural farm, on *Poncirus trifoliata* rootstock. Withstood 15° F. Fruit medium size, flavorful, seedy. Originally received as Citrus Plant Board No. 10071-F from the Horticultural Crop & Disease Office, United States Department of Agriculture, Washington, D. C.

274256 to 274259. PRUNUS PERSICA (L.) Batsch Amygdalaceae. **Peach.**

274256. Col. No. Tex. 1. 'Alston'. 2305 Woodhead Street, Houston. Seedling tree, four years old (1960); bore 30 fruits in fourth year; fruit large, freestone, ripening by August 1; flesh yellow.

274255 to 274259—Continued**274256 to 274259—Continued**

274257. Col. No. Tex. 2. 8044 Bonner Street, Houston. Seedling of unknown parentage, 15 feet high, three years old with four terminals; fruit large, attractive, high quality freestone, ripening by August 1; flesh yellow, firm; pit small.

274258. Col. No. Tex. 3. 10433 Palestine Street, Jacinto City. Tree 13 years old, 20 feet high; fruit clingstone, colored similar to 'Elberta'; tightly attached to tree when ripe. Crops harvested only in 1958, 1959, and 1960, following cold winters.

274259. Col. No. Tex. 4. 'Del Rio'. E.T. Rucker Ranch House, 12 miles southeast of Carta Valley, southeast Edwards County. Seedling; fruit large, freestone, taste resembles 'Elberta', ripens in July. Heavy bearer.

274260. RUBUS IDAEUS var. STRIGOSUS (Michx.) Maxim.
Rosaceae. **Common red raspberry.**

From Canada. Plants presented by the Dominion Experimental Station, Morden, Manitoba. Received April 25, 1961.

'Boyne'.

274261 to 274266.

From the Netherlands. Plants presented by H. Veendorp, Curator, Hortus Botanicus, Leiden. Received April 25, 1961.

274261. *CYPERUS ALTERNIFOLIUS* L. Cyperaceae.

'Variegatus'.

274262. *GINKGO BILOBA* L. Ginkgoaceae.

Maidenhair-tree.

'Ohazuki'.

274263. *NEPENTHES GRACILIS* Korth. Nepenthaceae.

274264. *NEPENTHES SPECTABILIS* Dans.

274265. *SAMBUCUS NIGRA* L. Caprifoliaceae.

European elder.

'Pendula'.

274266. *ZELKOVA VERSCHAFFELTII* (Dippel) Nicholson Urticaceae.

274267. ARACHIS HYPOGAEA L. Fabaceae. **Peanut.**

From Rhodesia. Seed presented by the Mount Makulu Research Station, Chilanga. Received Jan. 5, 1961. Numbered April 26, 1961.

F1-79. Natal, Manyema. Testa brown; seeds alternate.

274268. SINARUNDINARIA MURIELAE (Gamble) Nakai Poaceae.
Bamboo.

From the Netherlands. Rootstocks presented by the Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen. Received April 26, 1961.

From garden of B. K. Boom, Wageningen.

274269 and 274270. SOLANUM TUBEROSUM L. Solanaceae.
Potato.

From Afghanistan. Tubers collected by the United States Operations Mission, Kabul. Received April 26, 1961.

274269. 'Garma'. Early maturing, 100 days; flesh yellow. Appear to have a degree of resistance to *Fusarium* dry rot, and may be immune to leafroll virus.

274270. 'Sarda'. Late maturing, 120 days; flesh white. Appear to have a degree of resistance to *Fusarium* dry rot, and may be immune to leafroll virus.

274271 to 274318.

From countries indicated. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 26, 1961.

274271. *ABUTILON* sp. Malvaceae.

Col. No. 714. Sher-Jila, 24 miles above Gilgit, Pakistan. A garden green.

274272. *ABUTILON* sp.

Col. No. 782. Twenty-two miles above Gupis, Pakistan. Elevation 8,400 feet.

274273. *ABUTILON* sp.

Col. No. 922. Ishkuman, Pakistan.

274274. *AMARANTHUS VIRIDIS* L. Amaranthaceae.

Col. No. 1334. Sesame field 45 miles from Pali, India. Plant to four feet high; flowers white.

274275. *AMARANTHUS* sp.

Col. No. 858. Masuj garden, Pakistan.

274276. *AMARANTHUS* sp.

Col. No. 1071. Chandigarh, India. Plant to six feet high; flowers pale straw-colored.

274277. *AMARANTHUS* sp.

Col. No. 1073. Five miles north of Islamabad, road to Pahlgam, India. Flowers brilliant red.

274278. *AMARANTHUS* sp.

Col. No. 1126. Terrace wall, edge of cornfield, 4.5 miles from Dalhousie, India. Flowers red.

274279. *AMARANTHUS* sp.

Col. No. 1238. Cornfield near Pachlan, Upper Kulu Valley, India.

274280. *AMARANTHUS* sp.

Col. No. 1597. Rocky streambed between Khandela and Lonauli, India. Branched annual to five feet high.

274281. *AMMI COPTICUM* L. Apiaceae.

Col. No. 1252. 'Jowani'. Kulu bazaar, India.

274282. *ANETHUM GRAVEOLENS* L. Apiaceae.

Dill.

Col. No. 982. 'Show'. Dorat, Pakistan.

274283. *BRASSICA CARINATA* A. Br. Brassicaceae.

Col. No. 1832. Southeast corner, college land, Aremaya, Ethiopia. Plant to 3.5 feet high.

274284. *BRASSICA* sp.

Col. No. 194. Paghman, 12 miles northwest of Kabul, Afghanistan.

274285 and 274286. *CAJANUS CAJAN* (L.) Druce. Fabaceae. Pigeonpea.

274285. Col. No. 1616. Field six miles west of Poona, India.

274286. Col. No. 1807. Field, north edge of Nasik, India. Plant shrubby, erect, to three feet high.

274287. *CHENOPODIUM ALBUM* L. Chenopodiaceae.

Col. No. 659. Garden near Gilgit, Pakistan.

274271 to 274318—Continued

274288. *CICHORIUM INTYBUS* L. Cichoriaceae. **Chicory.**
Col. No. 1069. Fourteen miles up Lolab valley, India. Plants browsed.
274289. *COLOCASIA ESCULENTA* (L.) Schott. Araceae. **Dasheen.**
Col. No. 1135. Dalhousie bazaar, India. Roots. A small-tubered type of dasheen, or taro, with white buds, resembling some of the varieties common in Japan and parts of eastern China.
- 274290 to 274292. *CORIANDRUM SATIVUM* L. Apiaceae. **Coriander.**
274290. Col. No. 1180. Palanpur, India.
274291. Col. No. 1245. Kulu bazaar, India.
274292. Col. No. 1354. Farm near Jodhpur, India.
274293. *CUCURBITA* sp. Cucurbitaceae.
Fruit three inches diameter, mottled green.
- 274294 to 274296. *CUMINUM CYMINUM* L. Apiaceae. **Cumin.**
274294. Col. No. 178. 'Zirah'. Paghman, 12 miles northwest of Kabul, Afghanistan.
274295. Col. No. 494. Kohala, Pakistan.
274296. Col. No. 1904. 'Kemune'. Addis Ababa market, Ethiopia.
- 274297 and 274298. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**
274297. Col. No. 679. Along wall, Nomal, Pakistan. Plants to three feet high; umbels four inches in diameter; flowers white.
274298. Col. No. 1016. Four miles west of Parachinar, Pakistan. Plants to four feet high.
274299. *ELETTARIA CARDAMOMUM* (L.) Maton Zingiberaceae. **Cardamom.**
Col. No. 196. 'El'. Paghman, Afghanistan.
274300. *LENS CULINARIS* Medic. Fabaceae. **Lentil.**
Col. No. 758. Gupis, Pakistan.
- 274301 to 274303. *LEPIDIUM SATIVUM* L. Brassicaceae. **Garden cress.**
274301. Col. No. 183. 'Tarotizak'. Paghman, Afghanistan.
274302. Col. No. 500. 'Halam'. Mangoro bazaar, Pakistan.
274303. Col. No. 1907. 'Fetto'. Addis Ababa market, Ethiopia.
274304. *MIMUSOPS ELENGI* L. Sapotaceae.
Col. No. 2059. 'Ishe'. Gondar market, Ethiopia.
274305. *PHASEOLUS AUREUS* Roxb. Fabaceae. **Mung bean.**
Col. No. 551. 'Mi'. Chakesar, Pakistan.
274306. *PHYTOLACCA ABYSSINICA* Hoffm. Phytolaccaceae.
Col. No. 1878. Harrar market, Ethiopia. Soap plant.
- 274307 and 274308. *PISUM SATIVUM* L. Fabaceae.
274307. Col. No. 809. Barley field five miles below Teru, Pakistan. Elevation 9,800 feet.
274308. Col. No. 815. Barley field five miles below Shandur Top, Pakistan.
274309. *PLANTAGO PSYLLIUM* L. Plantaginaceae. **Flaxseed plantain.**
Col. No. 902. 'Spaol'. Peshawar, Pakistan.
274310. *SIUM SISARUM* L. Apiaceae. **Skirret.**
Col. No. 674. Nomal, Pakistan. Aromatic.

274271 to 274318—Continued

274311. SPINACIA OLERACEA L. Chenopodiaceae. **Spinach.**

Col. No. 522. 'Parluk'. Pakistan.

274312 to 274317. TRICHOSANTHES ANGUINA L. Cucurbitaceae. **Snakegourd.**

274312. Col. No. 1479. IARI, Delhi, India. Fruit long, green.

274313 to 274317. Poona Agricultural College, India.

274313. Col. No. 1697. No. 1.

274314. Col. No. 1698. No. 43.

274315. Col. No. 1699. No. 47.

274316. Col. No. 1700. No. 48.

274317. Col. No. 1791. No. 49.

274318. Undetermined.

Col. No. 898. 'Espandur'. Peshawar, Pakistan. Vegetable.

274319. ZIZYPHUS JUJUBA Mill. Rhamnaceae. **Jujube.**

From Korea. Plants presented by the Kimhae Branch Station, Horticultural Experiment Station, Kimhae. Received April 27, 1961.

"A".

274320. DIOSCOREA sp. Dioscoraceae.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received April 27, 1961.

'Cara Nativo'. Seeds from cultivated plants. From Jaguariuna, near Campinas, State of Sao Paulo.

274321 to 274335. MEDICAGO SATIVA L. Fabaceae. **Alfalfa.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Geneva, New York. From the Owens Farms, Fulton, New York. All are cultivated. Numbered April 27, 1961.

274321. G 5331. Plants semierect, moderately leafy, fair vigor; flowers deep purple. Leaf spot slight; leaf hopper injury severe; fall recovery poor.

274322. G 5332. Plants not erect, leafy, good vigor; flowers pale purple, late. Leaf spot slight; leaf hopper injury severe; fall recovery fair; hardiness excellent.

274323. G 5333. Plants not erect, leafy, fair vigor, hardy; flowers purple late. Leaf spot and leaf hopper injury moderate, black stem slight; fall recovery fair; spring vigor variable.

274324. G 5334. Plants semierect, leafy, vigorous; flowers purple, mid-season. Leaf spot severe; black stem slight; leaf hopper injury moderate; fall recovery good; hardiness fair; spring vigor variable.

274325. G 5335. Plants creeping, crown to 13 inches wide, leafy, vigorous, early maturing. Leaf spot and leaf hopper injury moderate. No black stem present. Hardiness and spring vigor excellent.

274326. G 5336. Plants not erect, leafy, vigorous; flowers purple, early; seed pods many. Leaf spot slight; black stem severe; leaf hopper injury moderate; fall recovery fair; hardiness excellent; spring vigor good.

274327. G 5337. Plants not erect, moderately leafy, fair vigor; flowers pale purple, early; seed pods many. Leaf spot fair; black stem very slight; leaf hopper injury moderate; fall recovery fair; hardiness excellent; spring recovery good.

274321 to 274335—Continued

274328. G 5338. Plants semierect, leafy, vigorous; flowers purple, early; seed pods many. Leaf spot and black stem severe; leaf hopper injury moderate; fall recovery fair; hardiness and spring vigor excellent.
274329. G 5339. Plants semierect, leafy, very vigorous; flowers purple, early; seed pods many. Leaf spot severe; black stem fair; leaf hopper injury moderate; fall recovery fair; hardiness and spring vigor excellent.
274330. G 5340. Plants erect, leafy, fair vigor; flowers purple, midseason. Leaf spot severe; black stem slight; leaf hopper injury fair; fall recovery good; hardiness and spring recovery excellent.
274331. G 5341. Plants semierect, leafy, some stems purple, excellent vigor; flowers purple, early; seed pods many. Leaf spot severe; black stem moderate; fall recovery fair; hardiness excellent; spring vigor medium to good.
274332. G 5342. Plants semierect, moderately leafy, fair vigor; flowers purple, mid-season. Leaf spot and leaf hopper injury severe; black stem moderate; fall recovery poor; hardiness excellent; spring vigor good to excellent.
274333. G 5343. Plants erect, crown 12 inches wide, leafy, excellent vigor, rhizomatous; stems coarse; flowers pale purple, early; seed pods many. Leaf spot slight, black stem severe, leaf hopper injury moderate; fall recovery fair; hardiness and spring vigor excellent.
274334. G 5344. Plants erect, leafy, excellent vigor; flowers pale purple, early; seed pods many. Leaf spot fair; black stem slight; fall recovery fair; hardiness excellent; spring vigor medium to good.
274335. G 5345. Plants semierect, leafy, fair vigor; flowers purple, early; seed pods many. Leaf spot and black stem severe; leaf hopper injury fair; fall recovery fair; hardiness excellent; spring vigor fair.

274336 to 274338.

From Guatemala. Seed and fruits presented by Edgar Davies, Finca El Tambor, San Sebastian, Retalhuleu. Received April 28, 1961.

274336. CUCURBITA PEPO L. Cucurbitaceae. **Pumpkin.**
- 274337 and 274338. SECHIUM EDULE (Jacq.) Sw. Cucurbitaceae. **Chayote.**
274337. White.
274338. Dark green.

274339 to 274353. HIBISCUS ESCULENTUS L. Malvaceae. Okra.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received April 28, 1961.

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|------------------------------|--------------------------------|
| 274339. No. 4. From Armenia. | 274347. No. 35. From Egypt. |
| 274340. No. 6. From China. | 274348. No. 63. From Egypt. |
| 274341. No. 13. From China. | 274349. No. 64. From Egypt. |
| 274342. No. 15. From India. | 274350. No. 76. From Sudan. |
| 274343. No. 19. From India. | 274351. No. 86. From Bulgaria. |
| 274344. No. 22. From India. | 274352. No. 87. From Iran. |
| 274345. No. 24. From India. | 274353. No. 89. From Iran. |
| 274346. No. 26. From India. | |

274354 to 274356.

From Germany. Seeds presented by the Botanischer Garten, Hamburg. Received April 28, 1961.

274354. *LACTUCA SATIVA* L. Cichoriaceae.

'Angustana'.

274355. *LACTUCA SERRIOLA* L.

274356. *LACTUCA VIROSA* L.

274357 to 274360.

From Poland. Seeds presented by the Hortus Botanicus, Instituti Plantarum Medicinal, Poznan. Received April 28, 1961.

274357. *LACTUCA PERENNIS* L. Cichoriaceae.

274358. *LACTUCA SATIVA* L.

274359. *LACTUCA SERRIOLA* L.

274360. *LACTUCA VIROSA* L.

274361 and 274362.

From Italy. Seeds presented by the Istituto Botanico, Firenze. Received April 28, 1961.

274361. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.

274362. *LACTUCA VIROSA* L.

274363 to 274365.

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Academiae Scientiarum, Armenia. Received April 28, 1961.

274363. *LACTUCA SALIGNA* L. Cichoriaceae.

274364. *LACTUCA SATIVA* L.

274365. *LACTUCA SERRIOLA* L.

274366 to 274368.

From Malta. Seeds presented by the Royal University of Malta, Argotti Botanic Gardens, Floriana. Received April 28, 1961.

274366. *LACTUCA SATIVA* L. Cichoriaceae.

'Bauer'.

274367. *LACTUCA SERRIOLA* L.

274368. *LACTUCA VIROSA* L.

274369 and 274370.

From Poland. Seeds presented by the Ogrod Botaniczny, Instytutu Hodowli i Aklimatyzacji Roslin, Bydgoszcz. Received April 28, 1961.

274369. *LACTUCA SATIVA* L. Cichoriaceae.

274370. *LAPSANA COMMUNIS* L. Compositae.

274371 and 274372.

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Universitatis Rostoviensis, Rostov. Received April 28, 1961.

274371. *LACTUCA SATIVA* L. Cichoriaceae.

274372. *LACTUCA SERRIOLA* L.

274373 to 274376.

From Poland. Seeds presented by the Hortus Medicinalis Lodziensis, Lodz.
Received April 28, 1961.

274373. *LACTUCA SATIVA* L. Cichoriaceae.

274374. *LACTUCA SERRIOLA* L.

274375. *LACTUCA VIROSA* L.

274376. *LACTUCA* sp.

274377 to 274381.

From France. Seeds presented by the Jardin Botanique de la Ville de
Rennes, Rennes. Received April 28, 1961.

274377. *LACTUCA CHONDRILLIFLORA* Bor. Cichoriaceae.

274378. *LACTUCA PERENNIS* L.

274379. *LACTUCA SATIVA* L.

274380. *LACTUCA SERRIOLA* L.

274381. *LACTUCA VIROSA* L.

274382 to 274385.

From Czechoslovakia. Seeds presented by the Botanicka Zahrada Univerzity
Komenskeho, Bratislava. Received April 28, 1961.

274382. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.

No. 1018.

274383 and 274384. *LACTUCA PERENNIS* L.

274383. No. 133.

274384. No. 1019.

274385. *LACTUCA QUERCINA* L.

No. 1020.

274386. PTELEA TRIFOLIATA L. Rutaceae. **Hop-tree.**

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus
Botanicus, Academiae Scientiarum Latviensis, Riga. Received April 28,
1961.

274387 to 274390.

From Rumania. Seeds presented by the Hortus Botanicus Universitatis
Bucurestiensis, Bucharest. Received April 28, 1961.

274387. *DICTAMNUS ALBUS* L. Rutaceae. **Gasplant.**

No. 1456.

274388 to 274390. *RUTA GRAVEOLENS* L. Rutaceae. **Common rue.**

274388. No. 406.

274389. No. 1707.

274390. No. 1957.

274391. HIBISCUS STURTHII Hook. Malvaceae.

From Australia. Seeds presented by the Commonwealth Scientific and In-
dustrial Research Organization, Canberra. Received April 28, 1961.

Collected in Central Australia.

274392 to 274395. BETA VULGARIS L. Chenopodiaceae.**Common beet.**

From Poland. Seeds presented by the Institute for the Selection and Acclimatization of Plants, Warsaw. Received May 1, 1961.

274392. AJ-Poli-2. A. Janasz.

274393. P-Poly K. Buszczynski.

274394. Poly-Mono, I.H.A.R.

274395. Tetra-Tri-Polish. Poli-O.

274396 to 274402.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 1, 1961.

274396. *PROTEA BARBIGERA* Meisn. Proteaceae.

Col. No. 18801. Coarse sandy soil, Bat River Caledon District, Cape Province. Elevation 450 feet. Spreading shrub, branching from base; flowers white.

274397. *PROTEA COMPACTA* R. Br.

Col. No. 19039. Stony ground, near sea level, seven miles west of Kleinmond, Caledon District. Tall, slender shrub to 10 feet high; branches elongate; flower heads red-bracted.

274398. *PROTEA GRANDIFLORA* Thunb.

Col. No. 18976. Rocky slopes, Fairy Glen, Worcester District, Cape Province. Elevation 2,000 feet. Small, spreading tree with glaucous foliage.

274399. *PROTEA LATIFOLIA* R. Br.

Col. No. 19057. Karredouse Pass, Humansdorp District, Cape Province. Shrub with many branches.

274400. *PROTEA MARGINATA* Thunb.

Col. No. 18974. Stony ground, Fairy Glen, Worcester District, Cape Province. Large, dense shrub; branches long, erect.

274401. *PROTEA MELLIFERA* Thunb.

Col. No. 19038. Stony ground, Bot River, Cape Province. Shrub slender; flower heads large.

274402. *SERRURIA ACROCARPA* R. Br. Proteaceae.

Col. No. 19007. Stony ground maqui, 12 miles northeast of Worcester, Cape Province. Elevation 2,300 feet. Shrub to 6 feet high; flowers pale yellow.

274403 to 274412.

From Chile. Seeds presented by the United States Operations Mission, Santiago. Received May 1, 1961.

274403. *LUPINUS* sp. Fabaceae.

No. 10. 'Chocho'. Near Lago Puychue, Province Osorno. Forest soil of volcanic origin. Plant tall, woody; flowers yellow, showy.

274404 to 274410. Near Lago Llanquihue, Province Llanquihue. Forest soil of volcanic origin.

274404. *LUPINUS* sp.

No. 11. 'Lupino'. Plant tall, woody; flowers showy.

274405. *LUPINUS* sp.

No. 12. 'Lupino'. Plant tall; flowers showy.

274403 to 274412—Continued**274404 to 274410—Continued****274406.** LUPINUS sp.

No. 13. 'Chocho'. Plant tall; flowers showy.

274407. LUPINUS sp.

No. 14. 'Chocho'. Plant tall, woody; flowers showy.

274408. LUPINUS sp.

No. 15. 'Chocho'. Plant tall, bushy; flowers showy.

274409. LUPINUS sp.

No. 16. 'Chocho'. Plant tall, bushy; flowers showy.

274410. LUPINUS sp.

No. 17. 'Chocho'. Plant tall, bushy; flowers showy.

274411. LUPINUS sp.

No. 18. 'Chocho'. Loess soil near hotel at Puerto Varas. Plant tall, woody; flowers showy.

274412. LUPINUS sp.

No. 19. 'Chocho'. Alluvial soil near Catholic church, Renaico, Province Malleco. Plant bushy; flowers showy; seeds large, white.

274413. PYRACANTHA (hybrid). Malaceae.

From Great Britain. Plants purchased from J. Cheal and Sons, Limited, The Nurseries Crawley, Sussex, England. Received May 1, 1961.

'Warleyensis'.

274414. MALUS (hybrid). Malaceae.

From Canada. Trees presented by the Genetics and Plant Breeding Research Institute, Department of Agriculture, Ottawa. Received May 1, 1961.

'Baskatong'.

274415 to 274417.

From Rumania. Seeds presented by the Gardina Botanica, Cluj. Received May 2, 1961.

274415. LACTUCA PERENNIS L. Cichoriaceae.**274416.** LACTUCA SATIVA L.

'Capitata'.

274417. LACTUCA VIROSA L.**274418 and 274419.**

From Finland. Cuttings presented by Axel Sigerstedt, Mustila, Elimaki. Received May 3, 1961.

274418. JUGLANS MANDSHURICA Maxim. Juglandaceae. **Walnut.****274419.** LARIX GMELINII var. OLGENSIS (Henry) Ost. & Syr.-Lar. Pinaceae.**274420 to 274423.** GLYCINE MAX (L.) Merrill Fabaceae.**Soybean.**

From Japan. Seeds presented by the Northern Utilization Research and Development Division, U.S. Department of Agriculture, Peoria, Ill. Received May 3, 1961.

274420. 'Iwanuma No. 1'.**274422.** 'Mitsumame'.**274421.** 'Kanenari No. 1'.**274423.** 'Toshiken'.

274424 to 274429. CLEMATIS (hybrids). Ranunculaceae.

From Japan. Plants presented by the Daiichi Seed Company, Kamidori, Shibuya-ku, Tokyo. Received May 4, 1961.

274424. 'Asagasumi'. 274427. 'Hakuohkan'.
 274425. 'Contesse de Douchaud'. 274428. 'Ishikari'.
 274426. 'Edomurasaki'. 274429. 'Unzen'.

274430. IPOMOEA NITIDA Griseb. Convolvulaceae.

From Uruguay. Seeds presented by Mr. Jefferson Patterson, Washington, D.C. Received May 4, 1961.

Seeds collected at Estancia la Acacia, Department of Paysandu, western Uruguay. A trailing vine with large morning-glorylike blossoms, white and deep pink to purple; roots large, fleshy.

274431. PINUS × SCHWERINII Fitschen Pinaceae.

From the Netherlands. Seeds presented by Pinetum Blijdenstein, Hilversum. Received May 4, 1961.

274432. ALLIUM SCHOENOPRASUM L. Liliaceae. Chives.

From Canada. Seeds presented by the Botanical Garden, Montreal. Received May 4, 1961.

'Sibiricum'. From St. Roch des Aulnaies.

274433 to 274437.

From Germany. Plants presented by the Botanischer Institute, Frankfurt-am-Main. Received May 1, 1961.

274433. CALATHEA WARSCIEWICZII Koren. Marantaceae.
 274434. LYCOPODIUM HIPPURIS Desv. Lycopodiaceae.
 274435. NEPENTHES × DORMANNIANA Williams ex Mast. Nepenthaceae.
 274436. PINGUICULA CAUDATA Schlecht. Pinguiculaceae.
 274437. SELAGINELLA GRANDIS Moore Selaginellaceae.

274438 to 274452.

From Germany. Plants presented by the Palmengarten, Frankfurt-am-Main. Received May 1, 1961.

274438. BEGONIA LINDLEYANA Walp. Begoniaceae.
 'Epples Findling'.
 274439. BEGONIA SERRATIPETALA Irmscher
 274440. BEGONIA sp.
 From San Salvador.
 274441. BERTOLONIA MARMORATA (Naud.) Melastomaceae.
 'Arena'.
 274442. CISSUS CRAMERIANA Schinz Vitaceae.
 274443. COSTUS sp. Zingiberaceae.
 'Albovariegata'.
 274444. DROSERA PYGMAEA DC. Droseraceae.
 274445. ERICA (hybrid). Ericaceae.
 'Evening Glow'.
 274446. EUPHORBIA CARACASANA (Kl. & Bke.) Boiss. Euphorbiaceae.
 'Sanguinea'.

274438 to 274452—Continued

274447. *LYCOPODIUM HIPPIURIS* Desv. Lycopodiaceae.
 274448. *MISCANTHUS SINENSIS* Anders. Poaceae. Chinese silvergrass.
 274449. *NEPENTHES* × *DORMANNIANA* Williams ex Mast. Nepenthaceae.
 274450. *PINGUICULA CAUDATA* Schlecht. Pinguiculaceae.
 274451. *PIPER PORPHYROPHYLLUM* (Lindl.) N.E. Br. Piperaceae.
 274452. *VILLARESIA GRANDIFLORA* Fisch. ex Regel Icacinaceae.

274453 to 274456.

From Okinawa. Seeds presented by the Department of Economics, Plant Protection Service, Ryukyu. Received May 8, 1961.

- 274453 and 274454. *GLYCINE KOIDZUMII* Ohwi Fabaceae.
 274453. Seeds dark.
 274454. Seeds white.
 274455 and 274456. *GLYCINE MAX* (L.) Merrill Soybean.
 274455. 'Aohigu'.
 274456. 'Hyaku Avda'.

274457 to 274459.

From Germany. Seeds presented by the Botanischer Garten und Museum, Berlin. Received May 8, 1961.

274457. *LACTUCA SERRIOLA* L. Cichoriaceae.
 274458. *LACTUCA VIROSA* L.
 274459. *FESTUCA TENUIFLORA* Boiss. Poaceae.

274460. DORYCNIUM RECTUM (L.) Ser. Fabaceae.

From Greece. Seeds presented by the United States Embassy, Athens. Received May 8, 1961.

Moist area at edge of citrus grove Kardamila, Chios. Uncultivated perennial, to 5 feet high, luxuriant, harvested as goat fodder several times yearly; stalks semiwoody; foliage light green; flowers yellow.

274461 to 274466.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 8, 1961.

- 274461 to 274463. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.
 274461. No. 504V. 3849. Tadzhik, S.S.R.
 274462. No. 2850. 3846. Uzbekistan, S.S.R.
 274463. No. 5230-V. 4775. Tadzhik, S.S.R.
 274464 to 274466. *GOSSYPIUM HIRSUTUM* L. Upland cotton.
 274464. No. 108F. 3812. Uzbekistan, S.S.R.
 274465. No. 137F. 3813. Uzbekistan, S.S.R.
 274466. No. 138F. 3826. Uzbekistan, S.S.R.

274467 to 274469.

From Venezuela. Seeds presented by the Centro de Investigaciones Agronomicas, Caracas. Collected in Santa Rits, Cedeno District, Bolivar State. Received May 8, 1961.

274467. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.

274467 to 274469—Continued274468. *GOSSYPIUM BRASILIENSE* Macfad.274469. *GOSSYPIUM PURPURASCENS* Poir.**Bourbon cotton.****274470. LEUCAENA LEUCOCEPHALA** (Lam.) de Wit **Mimosaceae.**

From the Union of South Africa. Seeds presented by the United States Consulate General to Rhodesia and Nyasaland. Received May 8, 1961.

Dry pasture forage shrub.

274471 to 274500. ORYZA SATIVA L. **Poaceae.****Rice.**

From Korea. Seeds presented by the Agricultural Experiment Station, Suwon. Received May 8, 1961.

274471. No. 1. No. 143.

274486. No. 16. 'Damagum'.

274472. No. 2. No. 143.

274487. No. 17. 'Damagum'.

274473. No. 3. No. 143.

274488. No. 18. 'Damagum'.

274474. No. 4. No. 143.

274489. No. 19. 'Damagum'.

274475. No. 5. No. 152.

274490. No. 20. 'Damagum'.

274476. No. 6. No. 152.

274491. No. 21. 'Damagum'.

274477. No. 7. No. 152.

274492. No. 22. 'Damagum'.

274478. No. 8. No. 152.

274493. No. 23. 'Damagum'.

274479. No. 9. No. 152.

274494. No. 24. 'Suwon No. 143'.

274480. No. 10. No. 152.

274495. No. 25. 'Suwon No. 143'.

274481. No. 11. No. 152.

274496. No. 26. 'Suwon No. 143'.

274482. No. 12. No. 152.

274497. No. 27. 'Suwon No. 143'.

274483. No. 13. No. 152.

274498. No. 28. 'Suwon No. 143'.

274484. No. 14. 'Damagum'.

274499. No. 29. 'Suwon No. 143'.

274485. No. 15. 'Damagum'.

274500. No. 30. 'Suwon No. 152'.

274501 and 274502. TRITICUM AESTIVUM L. **Poaceae.****Common wheat.**

From Chile. Seeds presented by the Rockefeller Foundation, Oficina de Estudios Especiales, Santiago. Received May 8, 1961.

From the Provincia de Cautin, Temuco, Fdo. Sta., Amalia.

274501. S-30443. F/4 'Seafoam' × Sk.-30443-T-60. Susceptible to *Puccinia recondita*.274502. S-30444. F/4 'Seafoam' × Sk.-30444-T-60. Susceptible to *Puccinia recondita*.**274503 and 274504. TRITICUM AESTIVUM** L. **Poaceae.****Common wheat.**

From Australia. Seeds presented by the Department of Agriculture, Sydney. Received May 8, 1961.

274503. 'Gamenya'.

274504. 'Mengavi'.

274505. TRITICUM sp. **Poaceae.**

From Thailand. Seeds presented by the United States Embassy, Bangkok. Received May 8, 1961.

Wheat is planted experimentally as a rotation crop with tobacco at the Experiment Station, Thailand Tobacco Monopoly, Chiengrai. Seed was obtained from farms in nearby Burma.

274506 to 274508. GLYCINE MAX (L.) Merrill Fabaceae.
Soybean.

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. From Fukien and Kwangtung Provinces. Received May 8, 1961.

274506. Black type. Used for soybean sauce and animal feed; planted as green manure crops in rice paddy fields.

274507. Green type. Used for bean curds, bean milk and bean sprouts; planted as green manure crops in rice paddy fields.

274508. Pearl type. Used for bean curds, bean milk and oil extraction.

274509. SORGHUM BICOLOR (L.) Moench Poaceae.

From Venezuela. Seeds presented by the Centro Investigaciones Agronomicas, Maracay. Received May 8, 1961.

274510 to 274516.

From British Guiana. Seeds presented by the United States International Cooperation Administration, Georgetown. Received May 8, 1961.

274510. *GOSYPIUM* sp. Malvaceae.

No. 1. Bec Air Area.

274511. *GOSYPIUM* sp.

No. 2. Kitty village.

274512. *GOSYPIUM* sp.

No. 3. Wakenaam Island.

274513. *GOSYPIUM* sp.

No. 4. Anna Regina.

274514. *GOSYPIUM* sp.

No. 5. Mara road, New Amsterdam.

274515. *GOSYPIUM* sp.

No. 6. Mara, Berbile.

274516. *GOSYPIUM* sp.

No. 7. Rosignol.

274517 and 274518. HELIANTHUS (hybrids). Asteraceae.

From the Union of Soviet Socialist Republics. Tubers presented by Dr. Pustovoit, Krasnodar. Received May 9, 1961.

274517. *H. tuberosa* × *H. annuus*.

274518. *H. tuberosa* × *H. annuus* × *H. macrophyllus*.

274519 to 274525. HUMULUS LUPULUS L. Moraceae.

Common hop.

From Poland. Cuttings presented by the Department of Plant Breeding, Agricultural Institute, Pulawy. Received May 9, 1961.

274519. CZ/C6. **274523.** 28/30.

274520. CZ/K23. **274524.** 43/7.

274521. D. **274525.** 45/36.

274522. P/K1.

274526 to 274550.

From Japan. Seeds, plants, and cuttings collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received May 10, 1961.

274526. *ARDISIA JAPONICA* (Thunb.) Blume Myrsinaceae.

Col. No. 829. 'Angusta'. Mount Takakuma, Osumi, Kyushu. Elevation 600 meters. Evergreen ground cover with bright-red fruit.

274527. *CALANTHE DISCOLOR* Lindl. Orchidaceae. **Orchid.**

Col. No. 830. 'Yebeni'. In dense, broadleaved, evergreen forest, Takakuma, Osumi, Kyushu. Elevation 700 meters. Terrestrial orchid; flowers white and purple.

274528. *CALANTHE STRIATA* R. Br. **Orchid.**

Col. No. 827. 'Bicolor'. In broadleaved evergreen forest, Takakuma, Osumi, Kyushu. Elevation 800 meters.

274529. *CALANTHE SIEBOLDII* Decne. ex Regel **Orchid.**

Col. No. 828. In broadleaved evergreen forest, Takakuma, Osumi, Kyushu. Elevation 900 meters. Terrestrial orchid; flowers large, yellow, in terminal spike.

274530 and 274531. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**

274530. Col. No. 825. Abundant in broadleaved evergreen forest, Takakuma, Osumi, Kyushu. Tree to 7.6 meters high; flowers pink to red, single.

274531. Col. No. 833. On Takakuma Mountain, Osumi, Kyushu. Elevation 1,000 meters. Tree to 7.6 meters high; flowers pink to red, single.

274532. *CYPRIPEDIUM JAPONICUM* Thunb. Orchidaceae. **Orchid.**

Col. No. 834. 'Kumagae So'. In dense shade, Takakuma, Osumi, Kyushu. Elevation 720 meters. Terrestrial lady's slipper orchid; leaves rotund, to 15 cm. in diameter.

274533 to 274535. *ERIOBOTRYA JAPONICA* (Thunb.) Lindl. Malaceae. **Loquat.**

274533. Col. No. 843. 'Karabiwa'. Source unknown. Plant somewhat spreading; fruit ripening about May 5, quality poor, to seven per cluster. Resistant to gall disease.

274534. Col. No. 844. 'Kesamatsu'. Source unknown. Somewhat erect as young trees, later spreading; fruit ripening about April 30, quality poor, to seven per cluster. Used as understock because of its gall disease resistance.

274535. Col. No. 842. 'Mogi'. Nursery in Fukuoka Prefecture. Somewhat erect as young trees, later spreading; fruit ripening about May 15, quality excellent, to seven per cluster.

274536. *FATSIA JAPONICA* (Thunb.) Descaisne & Planch. Araliaceae.

Col. No. 822. 'Yatrude'. Along cliffs, Sarugajo-Osumi, Kyushu. Small shrub with palmate leaves; fruit in umbels, black, many-seeded.

274537. *HOSTA KIKUCHIANA* Maekawa Liliaceae.

Col. No. 819. 'Huga Giboshi'. Growing on face of granite cliffs along mountain stream, Osumi Peninsula, Sarugajo Mountain. Elevation 300 meters. Herbaceous species; flowers white.

274538. *ILEX CRENATA* Thunb. Aquifoliaceae. **Japanese holly.**

Col. No. 841. Along stream bed, Kirishima Mountains, Kagoshima, Kyushu. Elevation 1,200 meters. Small round-headed tree; leaves ovate, with white midrib.

274526 to 274550—Continued

274539. *ILEX CRENATA* var. *FUKASAWANA* Makino Japanese holly.
Col. No. 826. Along stream bed, Mountain Takakuma, Osumi Peninsula, Kyushu. Elevation 900 meters. Small to medium size shrub; large-leaved variety.
274540. *QUERCUS ACUTA* Thunb. Fagaceae. Japanese evergreen oak.
Col. No. 840. 'Ahagashi'. Along river bed, Maruo Forest, Mount Kirishima, Kagoshima, Kyushu. Elevation 750 meters. Large evergreen tree; leaves entire, toothed; acorns brown; cap small.
274541. *RHODODENDRON AUSTROKIUSIANUM* Hatusima Ericaceae.
Col. No. 837. On Mount Takakuma, Osumi, Kyushu. Elevation 700 meters. A collection of seedlings representing color variations of this higher elevation population.
- 274542 to 274544. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson. Torch azalea.
274542. Col. No. 835. 'Yama-tsutsuji'. Rocky cliffs in sunny places, foot of Mount Takakuma, Osumi, Kyushu. Small shrub.
274543. Col. No. 836. 'Yama-tsutsuji'. On Mount Takakuma, Osumi, Kyushu. Elevation 300 meters. Typical uniform color type from this region.
274544. Col. No. 838. Maruo Forest, Mount Kirishima, Kagoshima, Kyushu. Elevation 800 meters. Southern type; leaves concurved, flowers brick red.
- 274545 and 274546. *RHODODENDRON SERPYLLIFOLIUM* (A. Gray) Miquel
274545. Col. No. 820. 'Unzen-tsutsuji'. Along cliffs, Sarugajo, Osumi, Kyushu. Elevation 400 meters. Leaves and flowers small.
274546. Col. No. 821. 'Unzen-tsutsuji'. On rocky cliffs of mountain stream, Sarugajo, Osumi, Kyushu. Elevation 400 meters. Leaves and flowers small.
274547. *RHODODENDRON SHIKOKIANUM* Makino
Col. No. 824. 'On-tsutsuji'. Along rocky cliffs of mountain stream, Sarugajo Mountain, Osumi Peninsula, Kyushu. Plant deciduous; leaves shiny, broad ovate; flowers pink.
274548. *SYMPLOCOS PRUNIFOLIA* Sieb. & Zucc. Symplocaceae.
Col. No. 832. 'Kuro Biye'. In dense, broadleaved, evergreen forest, Mount Takakuma, Osumi, Kyushu. Elevation 700 meters. Broadleaved evergreen tree to 7.6 meters high with terminal racemes of fragrant white flowers.
274549. *TRICYRTIS OHSUMIENSIS* Masamune Melanthiaceae.
Col. No. 823. 'Takokumahototogisu'. Along rocky streamside cliffs, Sarugajo Mountain, Osumi Peninsula, Kyushu. Flowers large, yellow, blooming July to early August.
274550. *VACCINIUM BRACTEATUM* Thunb. Vacciniaceae. Oriental blueberry.
Col. No. 839. 'Syasya Nipo'. Maruo Forest, Mount Kirishima, Kagoshima, Kyushu. Elevation 800 meters. Evergreen shrub to 2 meters high; fruit red, turning black.

274551 to 274560.

From Mexico. Seeds presented by the United States Embassy, Guatemala City. Seeds collected in Mexico, unless otherwise noted. Received May 10, 1961.

274551. *GOSSYPIUM* sp. Malvaceae.
'Delta Pine 15'. Alotenango, Escuintla, Guatemala.

274551 to 274560—Continued

274552. *GOSSYPIUM* sp.
Citilcum, Yucatan.
274553. *GOSSYPIUM* sp.
Hoctun, Yucatan.
274554. *GOSSYPIUM* sp.
Izamal, Yucatan.
274555. *GOSSYPIUM* sp.
Lint brown. Sisal, Yucatan.
274556. *GOSSYPIUM* sp.
Lint white. Sisal, Yucatan.
274557. *GOSSYPIUM* sp.
Tahmek, Yucatan.
274558. *GOSSYPIUM* sp.
Teya, Yucatan.
274559. *GOSSYPIUM* sp.
Ticopo, Yucatan.
274560. *GOSSYPIUM* sp.
Tidal, Yucatan.

274561 to 274566.

From Portugal. Seeds presented by the Estacao Agronomica Nacional, Sacavem. Received May 10, 1961.

274561. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**

274562. *LACTUCA SALIGNA* L. Cichoriaceae.

- 274563 and 274564. *LACTUCA SERRIOLA* L.

274563. No data.

274564. 'Integrifolia'.

274565. *LACTUCA VIROSA* L.

274566. *PISUM ELATIUS* Bieb. Fabaceae. **Mediterranean pea.**

274567. *HUMULUS LUPULUS* L. Moraceae. **Common hop.**

From Poland. Cuttings presented by the Department of Plant Breeding, Agricultural Institute, Pulawy. Received May 11, 1961.

No. 7.

- 274568 to 274571. *HUMULUS LUPULUS* L. Moraceae. **Common hop.**

From the Union of Soviet Socialist Republics. Cuttings presented by the All-Union Institute of Plant Industry, Leningrad. Grown in the Zhitomir area. Received May 11, 1961.

274568. N. 16.

274569. N. 18.

274570. No. 34.

274571. Originally from Poland. (Unnamed).

274572. ORYZA SATIVA L. Poaceae. Rice.

From Korea. Seeds presented by the Agricultural Experiment Station, Suwon. Received May 12, 1961.

'Nongkeang'.

274573 to 274581. ORYZA SATIVA L. Poaceae. Rice.

From Portugal. Seeds presented by the Missao de Estudos Agronomicos do Ultramar, Lisbon. Received May 12, 1961.

274573. 'Almarelo'. 274578. 'Feronio'.

274574. 'Alvario'. 274579. 'Leziria'.

274575. 'Amareles'. 274580. 'Saloio'.

274576. 'Arbelo'. 274581. 'Tardio'.

274577. 'Campino'.

274582. GLYCINE KOIDZUMII Ohwi Fabaceae.

From Okinawa. Seeds presented by the Department of Economics, Plant Protection Service, Ryukyu. Received May 12, 1961.

'Gedaizu'. From Iejima Island.

274583. MICROCACHRYS TETRAGONA Hook. f. Taxaceae.

From Australia. Seeds presented by the Tasmanian Regional Laboratory, Hobart, Tasmania. Received May 12, 1961.

274584. PISUM SATIVUM L. Fabaceae.

From the United States. Seeds presented by the Montana State College, Bozeman, Montana. Originally from Norway. Received May 12, 1961.

Grown successfully on dry land, yielding about 40 bushels per acre. Lends itself to mechanical sowing (one bushel per acre) and harvesting.

274585 to 274598.

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Batumensis, Batum. Received May 15, 1961.

274585. ACER VELUTINUM Boiss. Aceraceae.

274586. BUXUS sp. Buxaceae.

274587. HEDERA CAUCASIGENA Pojark. Araliaceae.

274588. HEDERA COLCHICA Koch Colchis ivy.

274589. ILEX sp. Aquifoliaceae.

274590. PINUS SOSNOWSKYI Nakai Pinaceae.

274591. PRUNUS LAUROCERASUS L. Amygdalaceae. English cherry-laurel.

274592. RHODODENDRON LUTEUM Sweet Ericaceae.

274593. RHODODENDRON PONTICUM L. Pontic rhododendron.

274595. THELYCRANIA sp. Cornaceae.

274595. THELYCRANIA sp.

274596. TILIA DASYSTYLA Stev. Tiliaceae.

274597. VIBURNUM OPULUS L. Caprifoliaceae. European cranberrybush.

274598. VIBURNUM ORIENTALE Pallas.

274599. ZIZYPHUS JUJUBA Mill. Rhamnaceae. Jujube.

From Korea. Plants presented by the Kimhae Branch Station, Horticultural Experiment Station, Kimhae. Received April 27, 1961.

"B".

274600. GOSSYPIUM HERBACEUM L. Malvaceae. Levant cotton.

From the Union of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received May 17, 1961.

274601 to 274683.

From Poland. Seeds presented by the Instytut Uprawy Nawozenia i Gleboznawstwa, Pulawy. Received May 15, 1961.

274601. *AGROSTIS ALBA* L. Poaceae. **Redtop.**

274602. *ALOPECURUS PRATENSIS* L. Poaceae. **Meadow foxtail.**

274603. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. **Tall oatgrass.**

274604 and 274605. *AVENA SATIVA* L. Poaceae. **Common oats.**

274604. 'Aurea No. 1'. Spring type.

274605. 'Aurea No. 2'. Spring type.

274606. *AVENA SATIVA* var. *ARISTATA* Schlecht.

Spring type.

274607. *AVENA SATIVA* var. *MUTICA* Schlecht.

Spring type.

274608 to 274610. *AVENA STRIGOSA* Schreb.

Spring type.

274608. 'Glabrescens Cambrica'.

274609. 'Oreadensis Arguta'.

274610. 'Glabrata'.

274611. *BROMUS ERECTUS* Huds. Poaceae. **Meadow brome grass.**

274612. *BROMUS INERMIS* Leyss. **Brome grass.**

274613. *DACTYLIS GLOMERATA* L. Poaceae. **Orchard grass.**

274614 to 274616. *FAGOPYRUM ESCULENTUM* Moench Polygonaceae. **Buckwheat.**

274614. 'Pulawska I'. Midseason-late variety; straw long; moderately resistant to lodging.

274615. 'Pulawska II'. Very late variety; straw long; moderately resistant to lodging.

274616. 'Pulawska III'. Very early variety; straw short; resistant to lodging.

274617. *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**

274618. *FESTUCA ELATIOR* L. **Meadow fescue.**

274619. *FESTUCA OVINA* L. **Sheep fescue.**

274620 to 274631. *HORDEUM VULGARE* L. Poaceae.

Spring type.

274620. 'Mutans Boryna'.

274621. 'Mutans Browarny P.Z.H.R.'. Two row; head long; lodging. Resistant to smut and moderately resistant to mildew. Brewery barley.

274622. 'Mutans Ebro'.

274623. 'Mutans Kazimierski'. Two row; head long; moderately resistant to lodging. Resistant to smut and moderately resistant to mildew.

274624. 'Mutans Mazowiecki'. Six row; resistant to drought. Susceptible to lodging and smut.

274601 to 274683—Continued

274620 to 274631—Continued

274625. 'Mutans Sandomierski'. Two row; resistant to drought; moderately resistant to lodging; susceptible to smut and rust.

Winter type.

274626. 'Bochenski'. Two row; low winter hardiness. Resistant to smut.

274627. 'Grodkowicki'. Six row; early; low winter hardiness; susceptible to lodging. Moderately resistant to smut, rust and mildew.

274628. 'Kostek'. Six row; long hood; low winter hardiness; moderately susceptible to lodging.

274629. 'Pulawski'. Two row; low winter hardiness. Resistant to smut.

274630. 'Pulawski'. Six-row; good winter hardiness. Tolerant of smut.

274631. 'Urbanowicki'. Six-row; good winter hardiness; early; resistant to lodging.

274632 to 274635. HORDEUM VULGARE var. PALLIDUM Seringe

Winter type.

274632. 'Kujawiak'. Six row; low winter hardiness; resistant to lodging, smut and mildew.

274633. 'Mikulicki'. Six row; head short; low winter hardiness; very early; lodging. Resistant to smut and mildew.

274634. 'Slaski I'. Six row; low winter hardiness; moderately resistant to lodging. Susceptible to powdery mildew; moderately resistant to smut.

274635. 'Slaski II'. Six row; low winter hardiness; early; resistant to lodging. Moderately resistant to powdery mildew and smut.

274636. *LOLIUM MULTIFLORUM* Lam. Poaceae. Italian ryegrass.

274637. *LOLIUM PERENNE* L. Perennial ryegrass.

274638. *LOLIUM MULTIFLORUM* Lam. Italian ryegrass.

274639. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

'Pulawska'. Winter hardy. Good yielder.

274640 to 274642. *ORNITHOPUS SATIVUS* Brot. Fabaceae. Serradella.

274640. 'Bydgoska'.

274641. 'Manurska Bata'.

274642. 'Manurska Roxawa'.

274643. *PHLEUM PRATENSE* L. Poaceae. Timothy.

274644. *POA PALUSTRIS* L. Poaceae. Roughstalk bluegrass.

274645 to 274648. *POA PRATENSIS* L. Kentucky bluegrass.

274645. No. 1.

274647. No. 3.

274646. No. 2.

274648. No. 4.

274649. *SECALE CEREALE* L. Poaceae. Rye.

'Pulawskie'. Late variety; winter hardiness good; straw long. Used for grazing and silage. Does best on light soil.

274650. *TRisetum FLAVESCENS* (L.) Beauv. Poaceae.

274601 to 274683—Continued

274651 to 274667. TRITICUM AESTIVUM L. Poaceae. Common wheat.

Spring type.

274651. 'Erythrospermum Ostka Zhlopicka'. Moderately winter hardy; straw stiff; beard; chaff and kernels red; moderately resistant to lodging, rust and powdery mildew; susceptible to smut and bunt.
274652. 'Lutescens Bajka'. Beardless; chaff white; kernels red; moderately resistant to lodging and powdery mildew; resistant to smut and rust.
274653. 'Lutescens Malborska'. Late variety; beardless; chaff white; kernels red; lodging. Moderate resistant to smut and powdery mildew; resistant to rust and *Chlorops taeniopus*.
274654. 'Lutescens Rokicka'. Beardless; straw short; chaff white; kernels red; resistant to lodging, leaf and stem rust; moderately resistant to powdery mildew.
274655. 'Opolska'. Beardless; chaff red; resistant to lodging, bunt and rust, moderately resistant to smut and powdery mildew.
274656. 'Barbarossa Podolanka'. Moderately winter hardy; beard; chaff red; kernel red; moderately resistant to lodging. Resistant to smut; susceptible to rust, powdery mildew and bunt.
274657. 'Erythrospermum Blondynka'. Low winter hardiness; early; beard; straw long; chaff white; kernels red; moderately resistant to lodging, powdery mildew and bunt; resistant to rust; susceptible to smut.
274658. 'Erythrospermum Lwowianka'. Good winter hardiness; straw long; beard; chaff white; kernels white; resistant to lodging and smut; moderately resistant to rust, powdery mildew and bunt.
274659. 'Ferrugineum Eka'. Very good winter hardiness; chaff and kernels red; endures drought; susceptible to lodging. Moderately resistant to rust, powdery mildew, smut and bunt.
274660. 'Ferrugineum Ostka Zlotoklosa'. Moderately winter hardy; straw stiff; beard; chaff and kernels red; moderately resistant to lodging, rust and powdery mildew; susceptible to smut and bunt.
274661. 'Grono'. Low winter hardiness; straw stiff; beardless; chaff white; kernels red, hard; resistant to lodging.
274662. 'Lutescens Leszczynska Wczesna'. Low winter hardiness; beardless; chaff white; kernels red; drought resistant; moderate resistant to lodging. Resistant to Polish race of leaf and stem rust.
274663. 'Malgorzatka Udycka'. Good winter hardiness; beard; chaff white; kernels red; resistant to lodging; smut; moderately resistant to bunt; susceptible to rust and powdery mildew.
274664. 'Szelejewska'. Low winter hardiness; straw stiff; beardless; chaff and kernels red; drought resistant; resistant to lodging and loose smut; moderately resistant to powdery mildew, bunt and leaf rust.
274665. 'Kujawianka Wieclawicka'. Good winter hardiness; beardless; chaff and kernels red; lodging. Resistant to bunt; moderately resistant to leaf rust and powdery mildew; susceptible to smut.
274666. 'Zdzislawka'. Moderately winter hardy; straw long; chaff and kernels red; moderately resistant to lodging. Resistant to rust and smut; susceptible to powdery mildew and bunt.
274667. 'Zelazna'. Low winter hardiness; straw stiff; beardless; chaff and kernels red; resistant to lodging; loose smut; moderately resistant to leaf rust; susceptible to powdery mildew and bunt.

274601 to 274683—Continued

274668 to 274683. TRITICUM DURUM Desf.		Durum wheat.
274668. 'Affine'.	274676. 'Leucurum'.	
274669. 'Africanum'.	274677. 'Liban I'.	
274670. 'Coerulescens'.	274678. 'Liban II'.	
274671. 'Erythromelan'.	274679. 'Libicum'.	
274672. 'Hordeiforme I'.	274680. 'Melanopus'.	
274673. 'Hordeiforme II'.	274681. 'Muriciense'.	
274674. 'Hordeiform Hela'.	274682. 'Provinciale'.	
274675. 'Leucomelan Biskrei'.	274683. 'Reichenbachi'.	

274684 to 274695. CLEMATIS (hybrids). Ranunculaceae.

From France. Plants purchased from Andre Girault's Nurseries, Orleans.
Received May 15, 1961.

274684. 'Azurstern'.	274690. 'Modesta'.
274685. 'Bagatelle'.	274691. 'Queen Alexandra'.
274686. 'Caravelle'.	274692. 'Ville de Limoges'.
274687. 'Colette Deville'.	274693. 'Ville de Paris'.
274688. 'Gem'.	274694. 'Xerces'.
274689. 'Le Cid'.	274695. 'Vvette Houry'.

274696 to 274738.

From Japan. Plant material collected by J. L. Creech, agricultural explorer,
Crops Research Division, Plant Industry Station, Beltsville, Md. For
U.S.D.A.-Longwood Cooperative Program. Received May 15, 1961.

274696. ASARUM sp. Aristolochiaceae.

Col. No. 858. Dense woods, Yasuman-dake, Hirado Island, Kyushu. Elevation 400 meters. Small terrestrial plant with variegated, heart-shaped leaves.

274697. BUXUS MICROPHYLLA Sieb. & Zucc. Buxaceae.

Col. No. 847. Growing wild along edges of rice paddies, Ushiro-bira, Hirado Island. Evergreen tree with small ovate leaves.

274698. CALANTHE sp. Orchidaceae.

Col. No. 860. Dense forest, Yasuman-dake, Hirado Island, Kyushu. Terrestrial orchid with green and white flowers in terminal spike.

274699. CALANTHE sp.

Col. No. 859. Dense forest, Yasuman-dake, Hirado Island, Kyushu. A terrestrial orchid with dark red and white flowers in a terminal spike; flowers 19 mm. across.

274700 to 274703. CAMELLIA JAPONICA L. Theaceae. Common camellia.

274700. Col. No. 846. 'Tsubake'. Ushiro-bira, Hirado Island, Hiyashi Farm. Late, anemone type; flowers red, from February to early June.

274701. Col. No. 853. Top of Yasuman-dake, Hirado Island, Kyushu. Elevation 514 meters. Three to five meters high; flowers red, single.

274702. Col. No. 854. Top of Yasuman-dake, Hirado Island, Kyushu. Elevation 514 meters. Typical species; flowers red, in full bloom.

274703. Col. No. 855. Top of Yasuman-dake, Hirado Island, Kyushu. Elevation 514 meters. Typical species; flowers red, in full bloom.

274696 to 274738—Continued

274704. *HOSTA* sp. Liliaceae.

Col. No. 861. On Yasuman-dake, Hirado Island, Kyushu. Elevation 400 meters. Terrestrial plant; leaves basal.

274705 to 274735. *RHODODENDRON* (hybrids). Ericaceae.

274705 to 274725. Plants from private gardens, Hirado Island, Kyushu.

274705 to 274709. From Mori-son garden.

274705. 'Eiko'. Flowers bright purplish pink, to nine cm. across.

274706. 'Fukuju'. Flowers light purplish pink, to 10 cm. across.

274707. 'Hakurakuten'. Flowers pure white, to eight cm. across.

274708. 'Harunohikari'. Flowers light purplish pink, to 10 cm. across.

274709. 'Harounomi'. Flowers light purplish pink, to 10 cm. across.

274710. 'Heiwanohikari'. Nambu garden. Flowers reddish purple, to eight cm. across.

274711 to 274716. From Mori-son garden.

274711. 'Hiradonohomare'. Flowers purple, heavy blotched, to 9.5 cm. across.

274712. 'Horai'. Flowers intense red, to 10.5 cm. across.

274713. 'Irihinokumo'. Flowers deep pink, to nine cm. across.

274714. 'Izaribi'. Flowers intense red, to 9.5 cm. across.

274715. 'Kintoki'. Flowers intense purplish red, to eight cm. across.

274716. 'Matsurahime'. Flowers light purplish pink, to 11 cm. across.

274717. 'Momoyama'. Nambu garden. Flowers intense purplish pink, to nine cm. across.

274718. 'Myoken'. Mori-son garden. Flowers purplish pink, to 10 cm. across.

274719. 'Myoken'. Nambu garden. Flowers purplish pink, to 9.5 cm. across.

274720 to 274722. From Mori-son garden.

274720. 'Rashomon'. Flowers intense red, to 11 cm. across.

274721. 'Reimei'. Flowers bright purplish pink, to 10 cm. across.

274722. 'Senzai Kaku'. Flowers light to dark pink, to 10 cm. across.

274723. 'Sekiyo'. Shiziki garden. Flowers intense red, to 11.5 cm. across.

274724. 'Shinnan'. Mori-son garden. Flowers purplish pink, to 11 cm. across.

274725. 'Tenjin'. Nambu garden. Flowers deep purplish pink, to 6.5 cm. across.

274726 to 274735. Cuttings from private gardens, Hirado Island, Kyushu.

274726. 'Hiran'. Ura garden. Flowers bright purplish red, to 10.5 cm. across.

274727. 'Irihimokumo'. Ura garden. Flowers deep pink, to nine cm. across.

274728. 'Kumonoue'. Kumazawa garden. Flowers deep purplish pink, to 10 cm. across.

274696 to 274738—Continued**274705 to 274735—Continued****274726 to 274735—Continued**

274729. 'Kurokoshima'. Ura garden. Flowers purplish red, to 10.5 cm. across.

274730. 'Rakuyo'. Nambu garden. Flowers medium pink, to 10.5 cm. across.

274731. 'Ranman'. Ura garden. Flowers deep pink, to 10 cm. across.

274732. 'Shinnan'. Ura garden. Flowers purplish pink, to 11 cm. across.

274733. 'Shinsho'. Ura garden. Flowers deep purplish pink, to 13 cm. across.

274734. 'Tai Hai'. Nakamura garden. Flowers deep pink, to 11 cm. across.

274735. 'Tensho'. Kumazawa garden. Flowers reddish pink, to nine cm. across.

274736. RHODODENDRON OBTUSUM var. KAEMPFERI (Planch.) Wilson.
Torch azalea.

Col. No. 857. Dry rocky cliffs, Yasuman-dake, 200 meters from Hirado Island, Kyushu. Plant small, shrubby; flowers brick red.

274737. RHODODENDRON WEYRICHII Maxim.

Col. No. 845. 'On-tstusuji'. Kiyashi Farm, Ushiro-bira. White form from Goto Island.

274738. SERISSA FOETIDA (L.f.) Lam. Rubiaceae.

Col. No. 862. Summit of Mount Shiziku-dake, southernmost Hirado, Kyushu. Evergreen shrub in wild, growing only a few inches high.

274739 to 274741. ORYZA SATIVA L. Poaceae. Rice.

From the Philippines. Seeds presented by the Division of Plant Breeding, University of the Philippines, College of Agriculture, Laguna. Received May 17, 1961.

274739. 'Azucena'.

274740. 'Dinalaga'.

274741. FB-76.

274742 to 274757. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From the Union of Soviet Socialist Republics. Tubers presented by the All-Union Institute of Plant Industry, Leningrad. Received May 17, 1961.

274742. 'Agronomiczeskij'. 'Cobbler' × 'Fitoftoroustojzivij' × 'Zeidlitz'. Wart resistant, early variety.

274743. 'Export'. 'Primadonna' × 'Pepo'. Wart resistant, late variety.

274744. 'Jygeva Kollane'. Seedling 942/30 × 'Alpha'. Wart resistant, late variety.

274745. 'Jygeva Talvik'. Seedling N 40663/21 × 'Virulane'. Wart resistant, main crop variety.

274746. 'Kalev'. 'Pepo' × 'Erdzelblue'. Wart resistant, early variety.

274747. 'Kungla'. 'Pepo' × 'Centifolia'. Wart resistant, main crop variety.

274748. 'Minskij'. 'Ostbote' × Seedling 1327.9. Wart resistant, main crop variety.

274742 to 274757—Continued

274749. 'Oktjabrenok'. 'Furstenkrone' × 'Asa'. Wart resistant, early variety.
274750. 'Olev'. 'Virulane' × Hybrid with *S. demissum* Munchebergs seedling 40663/21. Wart resistant, late variety.
274751. 'Petrovskij'. *S. tuberosum* var. *europaeum* × 'Zeidlitz' × 'Pepo'. Wart resistant, early variety.
274752. 'Pirmunes'. ('Pepo' × Seedling 522 × Pisarevs seedling) × (*S. andigenum* × 'Centifolia'). Wart resistant, main crop variety.
274753. 'Punktakas'. 'Pepo' × Seedling 521. Wart resistant, main crop variety.
274754. 'Ruta'. Seedling 1325 × 'Milda'. Wart resistant, late variety.
274755. 'Tiesa'. 'Jubel' × *S. demissum* Hybrid Seedling 967 c/37. Wart resistant, main crop variety.
274756. 'Trudovoj'. 'Fitoforoustojczivij' × 'Schoolmaster'. Wart resistant, main crop variety.
274757. 'Vilia'. 'Woltman' × 'Pepo'. Wart resistant, main crop to late variety.

274758 to 274766.

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Seeds unless otherwise noted. For U.S.D.A.-Longwood Cooperative Program. Received May 17, 1961.

274758 to 274760. ERIOBOTRYA JAPONICA (Thunb.) Lindl. Malaceae.

Loquat.

274758. Col. No. 843. 'Karabiwa'. An old, thin-fleshed, small-fruited variety. Resistant to gall diseases. Fruits.
274759. Col. No. 844. 'Kesamatsu'. Used as understock; fruits small.
274760. Col. No. 842. 'Mogi'. Earliest variety (to mid-May). Fruit large to medium, the best in quality and bearing. Fruits.

274761. ARDISIA JAPONICA (Thunb.) Blume Myrsinaceae.

Col. No. 848. Edge of woods, Kurume, Fukuoka-ken. Small evergreen shrub; leaves lanceolate; fruit bright red.

274762. ARDISIA CRISPA (Thunb.) DC.

Col. No. 851. 'Leucocarpa'. Mr. Mori's garden, Hirado, Kyushu. Fruit white.

274763. CAESALPINIA SEPIARIA Roxb. Caesalpinaceae. Mysore thorn.

Col. No. 817. 'Nemu-rigi'. Kaunon-dake, Kagoshima Prefecture. Armed shrub to 8 feet high; leaflets, 6 to 8 pairs, oblong, about 0.5 inch long; flowers in terminal raceme, yellow.

274764. DAMNACANTHUS INDICUS Gaertn. f. Rubiaceae.

Col. No. 850. Evergreen woods, Ushira-bira, Hirado Island, Kyushu. Spiny evergreen shrub to 18 inches high; fruit solitary, bright red.

274765. ILEX ROTUNDA Thunb. Aquifoliaceae.

Col. No. 849. Kurume garden, Fukuoka-ken, Kyushu. Evergreen tree to 20 feet high; leaves rotund, fruit small, red.

274766. KADSURA JAPONICA (L.) Juss. Magnoliaceae. Scarlet kadsura.

Col. No. 856. Slopes of Yasuman-dake, Hirado Island, Kyushu. Elevation 1,300 feet. Evergreen vine; leaves entire, ovate to lanceolate; fruit bright red, six seeded.

274767 to 274778.

From the Union of South Africa. Seeds presented by the Department of Agriculture, Pretoria. Received May 18, 1961.

274767. CROTALARIA OCHROLEUCA G. Don Fabaceae.

'Phillipsii'. DL/61/460-DL/61/573. From Rhodesia-Nyasaland.

274768 to 274773. RICINUS COMMUNIS L. Euphorbiaceae. **Castorbean.**

274768. DL/61/575. Tree type.

274769. DL/61/576. HY 6.

274770. DL/61/577. I67. 'Cimmaron Inbred'.

274771. DL/61/578. I36.

274772. DL/61/584. 'Margate'. Self decorticating.

274773. DL/61/585. HY. 176.

274774 and 274775. SORGHUM CAFFRORUM var. BRUNNEOLUM Snowden Poaceae.

274774. DL/61/579. 'Haakdoorn'.

274775. DL/61/580. 'Birdproof'.

274776 to 274778. SORGHUM CAFFRORUM var. LASIORHACHIS (Hack.) Snowden.

274776. DL/61/581. 'Radar'.

274777. DL/61/582. 'Barnard Red'.

274778. DL/61/583. 'Ntuli Red'.

274779. SACCHARUM (hybrid). Poaceae. **Sugarcane.**

From the United States. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received May 18, 1961.

CP 52-43.

274780 to 274793.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received May 18, 1961.

274780 to 274782. ALLIUM CEPA L. Liliaceae.

Onion.

274780. 'Basai Red'. I.W. 3075.

274781. 'Nasik Red'. I.C. 5418.

274782. 'Pusa Red'.

274783. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. **Cauliflower.**

'Pusa Katki'.

274784. CITRULLUS COLOCYNTHIS (L.) Schrad. Cucurbitaceae. **Colocynth.**

I.W. 1734.

274785. CITRULLUS LANATUS (Thunb.) Mansf.

Watermelon.

(J.R.B.) V-13 (selfed).

274786. CUCURBITA MOSCHATA Duchesne Cucurbitaceae.

Cushaw.

Fruit oblong.

274787. CUCURBITA PEPO L.

Pumpkin.

'Yellow Round'.

274788 and 274789. DAUCUS CAROTA L. Apiaceae.

Carrot.

274788. Black.

274789. Red.

274780 to 274793—Continued

274790. DAUCUS sp.

I.W. 1820.

274791. DAUCUS sp.

I.W. 1821.

274792. DAUCUS sp.

I.W. 1949. 'Kashmir'.

274793. DAUCUS sp.

I.W. 1950. 'Kashmir'.

274794 and 274795. CITRULLUS LANATUS (Thunb.) Mansf.**Cucurbitaceae.****Watermelon.**

From Pakistan. Seeds presented by the United States Operations Mission, Karachi. Received May 18, 1961.

'Turmuz'. Vines vigorous; fruit 12 inches long, nine inches diameter, slightly ribbed; skin dark green; flesh pink to light red; taste bland, dominated by cucumber. No indication of wilt.

274794. No. 1. Seeds black.

274795. No. 2. Seeds brown.

274796 to 274806.

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received May 18, 1961.

274796 to 274799. CAMELLIA JAPONICA L. Theaceae. Common camellia.

274796. Col. No. 866. Along streambed, Taradake, Nagasaki-ken, Kyushu. Elevation 900 meters. Tree to 7.5 meters high; leaves small, narrow; flowers red.

274797. Col. No. 870. Farmhouse on Taradake, Nagasaki-ken, Kyushu. Elevation 400 meters. Late-flowering variety; flowers pink, white edged, double.

274798. Col. No. 871. On Taradake, Nagasaki-ken, Kyushu. Elevation 600 meters. Tree to 6 meters high; leaves broad, shining, green; flowers pink.

274799. Col. No. 872. On Taradake, Nagasaki-ken, Kyushu. Elevation 900 meters. Leaves small, flowers dark red, tubular.

274800. LYCORIS SANGUINEA var. KUISHIANA Makino Amaryllidaceae.

Col. No. 864. On Taradake, Nagasaki-ken, Kyushu. Elevation 600 meters. Leaves grow in spring; flowers in late July to early August, orange colored.

274801. HOSTA NAKAIANA F. Maekawa Liliaceae.

Col. No. 874. On Taradake, Nagasaki-ken, Kyushu. Elevation 950 meters. Plantain lily; flowers pale purple.

274802. ILEX CRENATA Thunb. Aquifoliaceae.**Japanese holly.**

Col. No. 867. Top of Mount Kyogatake, Nagasaki Prefecture. Elevation 1,057 meters. Plant small, shrubby; leaves dark green, small, ovate.

274803. RHODODENDRON METTERNICHII Sieb. & Zucc. Ericaceae.**Leatherleaf rhododendron.**

Col. No. 868. Top of Mount Kyogatake, Nagasaki Prefecture. Elevation 1,057 meters. Evergreen type; flowers pale pink.

274796 to 274806—Continued

274804. *SYMPLOCOS* sp. Symplocaceae.

Col. No. 863. Kushima-Zaki, Omura-Kyuahu. Broadleaved evergreen shrub; leaves alternate; fruit three-seeded, black.

274805. *ZOYSIA JAPONICA* Stued. Poaceae. **Japanese lawngrass.**

Col. No. 878. Nakasaki Agricultural Experiment Station, Omura, Kyushu. A fine leaved form.

274806. Undetermined.

Col. No. 881. Foot of Iwaya Mountain, Nagasakipken, Kyushu. Small, ground-covering vine; leaves, ovate, silver variegated, coarsely toothed.

274807 and 274808. *LACTUCA SERRIOLA* L. Cichoriaceae.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received May 18, 1961.

274807. 'Kahu'.

274808. I.W. 1833. 'Himachal Pradesh'.

274809 to 274830.

From Poland. Seeds presented by the Institute of Plant Protection, Poznan. Received May 19, 1961.

274809. *LUPINUS ALBUS* L. Fabaceae.

White lupine.

'Baily Drobnonasienny'.

274810 to 274823. *LUPINUS ANGUSTIFOLIUS* L.

274810. 'Obornicki'. Alkaloidarm.

274811. 'Pulawski Rozowy Wezesny'. Bitter.

274812. 'Rod B.G.W.'. Bitter.

274813. 'Rod C.Z.'. Alkaloidarm.

274814. 'Rod C.Z.'. Bitter.

274815. 'Rod T.II'. Alkaloidarm.

274816. 'Rod T.L. 17'. Alkaloidarm.

274817. 'Rod T.L. 19'. Alkaloidarm.

274818. 'Rod T.L. 21'. Alkaloidarm.

274819. 'Rod T.L. 19'. Bitter.

274820. 'Rod T.L. 21'. Bitter.

274821. 'Rod T.L. 23'. Bitter.

274822. 'Waskolistny Szybopedny'. Alkaloidarm.

274823. 'Wielkopolski Goryki'. Bitter.

274824 to 274830. *LUPINUS LUTEUS* L.

European yellow lupine.

274824. 'Bielanski Pastewyn'.

274828. 'Rod M.I'.

274825. 'Cytrynowy'.

274829. 'Rod M.VIII'.

274826. 'Pomorski Pastewny'.

274830. 'Slodziak'.

274827. 'Popularny'.

274831. *PISUM SATIVUM* L. Fabaceae.

From Sweden. Seeds presented by the Horticultural Research Station, Akarp. Received May 19, 1961.

Line 64, from cross No. 43/1. Slender, 1e, cyl, cy2s. Recessive for r, st, wlo, a.

274832. AMOREUXIA PALMATIFIDA Moc. & Sesse.

Cochlospermaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Collected in 1959. Numbered May 19, 1961.

Col. No. 17832. 'Saya'. Three miles south of Navajoa, Sonora. Perennial herb; roots, tuberous, edible; fruits edible.

274833. PRUNUS TEXANA Dietr. Amygdalaceae.

From the United States. Plants collected by J. B. Storey, Texas Agricultural and Mechanical College, College Station, Texas. Received May 19, 1961.

'Tex. 6'. Hog plum. Rocky soil, three miles east of Llano, State Highway 29. Low-growing, many-branched shrub; internodes short; leaves serrate, grayish green; flowers white; fruit 0.75 inch in diameter, yellow; seed small; endocarp slightly pubescent.

274834 to 274839.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received May 19, 1961.

274834. AUCUBA JAPONICA Thunb. Cornaceae. **Japanese aucuba.**

Col. No. 877. Taradake, Nagasaki-ken, Kyushu. Elevation 700 meters. Evergreen shrub to 3.8 meters high; fruit bright red, oblong.

274835. DAMNACANTHUS MACROPHYLLUS Sieb. ex. Miq. Rubiaceae.

Col. No. 879. Iwaya Mountain, Nagasaki-ken, Kyushu. Elevation 200 to 400 meters. Spiny shrub to 1.2 meters high; fruits bright red.

274836. ELAEAGNUS sp. Elaeagnaceae.

Col. No. 880. Iwaya Mountain, Nagasaki-ken, Kyushu. Elevation 350 meters. Scandent evergreen shrub; fruit orange colored, oblong.

274837. ILEX × **KUISIANA** Hatusima Aquifoliaceae.

Col. No. 876. Taradake, Nagasaki-ken, Kyushu. Elevation 500 meters. Rare evergreen; fruit red, somewhat smaller than *I. integra*.

274838. ILEX LATIFOLIA Thunb.

Col. No. 865. Taradake, Nagasaki-ken, Kyushu. Elevation 650 meters. Evergreen tree to 7.6 meters high; leaves to 25 cm. long; fruit red, in large clusters.

274839. RHODODENDRON WEYRICHII Maxim. Ericaceae.

Col. No. 869. Seaside, Kushima-zaki, Nagasaki-ken, Kyushu. Deciduous shrub; flowers orange red.

274840 to 274842. MALUS SYLVESTRIS Mill. Malaceae.

From the Union of Soviet Socialist Republics. Trees presented by the All-Union Institute of Plant Industry, Leningrad. Received May 11, 1961. Numbered May 19, 1961.

Developed by Professor B. I. Budagowsky, Michurinsk.

274840. No. MK 14. Plants semidwarf.

274841. No. 118. Plants semidwarf.

274842. No. 9. Plants dwarf, red leaved.

274843 to 274866. BIXA ORELLANA L. Bixaceae. Annatto-tree.

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City.
Received May 22, 1961.

274843. No. 1.	274855. No. 13.
274844. No. 2.	274856. No. 14.
274845. No. 3.	274857. No. 15.
274846. No. 4.	274858. No. 16.
274847. No. 5.	274859. No. 17.
274848. No. 6.	274860. No. 18.
274849. No. 7.	274861. No. 19.
274850. No. 8.	274862. No. 20.
274851. No. 9.	274863. No. 21.
274852. No. 10.	274864. No. 22.
274853. No. 11.	274865. No. 23.
274854. No. 12.	274866. No. 24.

274867 to 274876.

From Japan. Plants material collected by J. L. Creech, agricultural explorer,
Crops Research Division, Plant Industry Station, Beltsville, Md. For
U.S.D.A.-Longwood Cooperative Program. Received May 23, 1961.

274867 and 274868. BLETILLA STRIATA (Thunb.) Reichb. f. Orchidaceae. Orchid.

274867. Col. No. 891. Kikugawa, half way between Hamamatsu and Shizuoka, Shizuoka Prefecture. Terrestrial orchid; leaves narrow lanceolate; flowers on stems six inches long, white or deep purple.

274868. Col. No. 892. Kikugawa, half way between Hamamatsu and Shizuoka, Shizuoka Prefecture. Terrestrial orchid; leaves narrow lanceolate; flowers white to purple.

274869. BUXUS sp. Buxaceae.

Col. No. 882. Mount Kosho, central Kyushu. Elevation 2,800 feet. Tree to 10 feet high; leaves small, ovate, dark green, shiny.

274870. ILEX CRENATA Thunb. Aquifoliaceae. Japanese holly.

Col. No. 884. Mount Kosho, central Kyushu. Elevation 2,450 feet. Spreading form; leaves small, dark green.

274871. LYCORIS SANGUINEA var. KUISHIANA Makino Amaryllidaceae.

Col. No. 885. Mount Kosho, central Kyushu. Flowers orange, in August.

274872 and 274873. RHODODENDRON (hybrid). Ericaceae.

274872. Col. No. 893. Mount Ashitake, Shizuoka Prefecture. Elevation 3,160 feet. A natural hybrid between *R. kaempferi* and *R. komiyamae*; flowers pink to purple.

274873. Col. No. 894. Mount Ashitake, Shizuoka Prefecture. Elevation 2,950 feet. Hybrid seedlings of *R. kaempferi* and *R. komiyamae*, flowers somewhat larger than latter, pink to purple.

274874. RHODODENDRON LINEARIFOLIUM var. MACROSEPALUM (Maxim.) Makino

Col. No. 889. Miyakoda, Shizuoka Prefecture. Elevation 650 feet. Leaves large, hairy; flowers purple, with numerous glands; sepals long, narrow.

274867 to 274876—Continued

274875. RHODODENDRON OBTUSUM var. KAEMPFERI (Planch.) Wilson
Torch azalea.

Col. No. 888. Mikata Kahara, Hamamatsu, Shizuoka. Plant small; leaves ovate, cup shaped; flowers brick red.

274876. RHODODENDRON (hybrid).

Col. No. 890. Near Miyakoda, Shizuoka Prefecture. An intermediate form between *R. kaempferi* and *R. linearifolium* var. *macrosepalum* having a cold range between both parents.

274877 to 274893.

From Japan. Plants presented by Hideo Kubota, Tochigi Prefecture. Received May 23, 1961.

274877. BUXUS MICROPHYLLA var. JAPONICA (Muell.-Arg.) Rehd. & Wils.
Buxaceae.

274878. CLEMATIS FLORIDA Thunb. Ranunculaceae.

274879. CLEMATIS FUJISANENSIS Hisauti ex Hara

274880. CLEMATIS FUSCA Trucz.

274881. CLEMATIS JAPONICA Thunb.

274882. CLEMATIS JAPONICA var. BREVIPEDICELLATA Makino

274883. CLEMATIS JAPONICA f. CREMEA (Makino) Ohwi

274884. CLEMATIS OCHOTENSIS Poir.

'Japonica'.

274885. CLEMATIS PATENS Morr. & Decne.

274886. CLEMATIS PIEROTII Miq.

274887. CLEMATIS SPECIOSA (Makino) Makino

274888. CLEMATIS STANS var. AUSTROROJAPONENSIS (Ohwi) Ohwi

274889. LIGUSTRUM TSCHONOSKII var. KIYOZUMIANUM (Nakai) Ohwi
Oleaceae.

274890. RHODODENDRON LINEARIFOLIUM Sieb. & Zucc. Ericaceae.

'Rhodoroides'.

- 274891 and 274892. RHODODENDRON MUCRONATUM (Blume) G. Don

274891. 'Shiromanyo'.

274892. 'Shironishiki'.

274893. RHODODENDRON sp.

274894 to 274897.

From France. Seeds presented by the Museum National d'Historie Naturelle, Paris. Received May 24, 1961.

274894. AGROPYRON CANINUM (L.) Beauv. Poaceae. Awned wheatgrass.

274895. AGROPYRON JUNCEUM (L.) Beauv.

On coastal dunes, Guisseny (Finistere).

- 274896 and 274897. AGROPYRON LITTORALE (Host) Dum.

274896. Salt marshes, Gavre (Morbihan).

274897. Salt marshes, Riec sur Belen (Finistere).

274898 to 274901.

From the Netherlands. Seeds presented by the Hortus Botanicus Universitatis, Nijmegen. Received May 24, 1961.

274898. *LACTUCA AUGUSTANA* All. Cichoriaceae.

No. 172.

274899. *LACTUCA SALIGNA* L.

No. 173.

274900. *LACTUCA SATIVA* L.

No. 174.

274901. *LACTUCA VIROSA* L.

No. 175.

274902. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

From Great Britain. Seeds presented by Watkins & Simpson, Crawley, Sussex, England. Received May 24, 1961.

'Everyday'.

274903 and 274904.

From Germany. Seeds presented by the Botanic Garden, Bremen. Received May 24, 1961.

274903. *ALOPECURUS ARUNDINACEUS* Poir. Poaceae.

274904. *ALOPECURUS PRATENSIS* L. Meadow foxtail.

274905. *COLOCASIA ESCULENTA* (L.) Schott Araceae. Dasheen.

From New Britain. Seeds presented by the Department of Agriculture, Lowlands Agricultural Experiment Station, Kerevat. Numbered May 25, 1961.

274906. TRIFOLIUM REPENS L. Fabaceae. Whiteclover.

From Ecuador. Seeds presented by the United States Operations Mission, Quito. Received May 25, 1961.

Plant prostrate, growing in semidesert conditions, without rain for seven consecutive months, with hot dry winds. Elevation 9,000 feet, yet warm enough to grow corn. Soil pH 5.0, phosphate deficient. All cultivated crops are irrigated.

274907 to 274914.

From Turkey. Seeds collected by the Faculty of Agriculture, University of Ankara, Ankara. Received May 25, 1961.

274907. *ALLIUM ROTUNDUM* L. Liliaceae.

274908. *ATROPIS DISTANS* Griseb. Poaceae.

274909. *DAUCUS* sp. Apiaceae.

274910. *HORDEUM BULBOSUM* L. Poaceae.

274911. *POA NEMORALIS* L. Poaceae. Wood bluegrass.

274912. *SECALE MONTANUM* Guss. Poaceae.

274913. *ECHINOCHLOA CRUSGALLI* (L.) Beauv. Poaceae.

274914. *TRIFOLIUM PURPUREUM* Loisel. Fabaceae.

274915 to 274944.

From Australia. Seeds presented by the Botanic Garden, Adelaide. Received May 25, 1961.

274915. *ACACIA CALAMIFOLIA* Sweet Mimosaceae.

Bushy shrub to eight feet high, useful as shelter. Annual rainfall 10 inches.

274915 to 274944—Continued

274916. *ACACIA LIGULATA* A. Cunn.

Rounded, compact shrub to eight feet high. Browsed by livestock. Annual rainfall 10 inches.

274917. *ACACIA NERIIFOLIA* A. Cunn. ex Benth. **Bald acacia.**

Dense, bushy shrub to eight feet high. Annual rainfall 15 inches.

274918. *ACACIA NOTABILIS* F. Muell.

Dense, bushy shrub to six feet high. Annual rainfall 15 inches.

274919. *ACACIA SALICINA* Lindl. Mimosaceae.

Tree to 20 feet high, suckers to form shelter thickets, hardy. Annual rainfall 15 inches.

274920. *ACACIA SALIGNA* (Labill.) Wendl. **Willow acacia.**

Quick-growing tree to 20 feet high. Useful as shelter if planted in clumps. Annual rainfall 15 inches.

274921. *BANKSIA MARGINATA* Cav. Proteaceae.

Dense, bushy shrub to 8 feet high.

274922. *BANKSIA ORNATA* F. Muell. ex Meissn.

Dense, bushy shrub to 8 feet high.

274923. *CALLISTEMON BRACHYANDRUM* Lindl. Myrtaceae.

Bushy shrub to 8 feet high, drought resistant, useful on sandy soils in warm districts. Annual rainfall 10 inches.

274924. *CALLISTEMON RUGULOSUS* DC.

Bushy shrub to 10 feet high.

274925. *CALOTHAMNUS QUADRIFIDUS* Ait. Myrtaceae.

Dense, bushy shrub to 6 feet high. Useful as shelter. Annual rainfall 20 inches.

274926. *CASUARINA GLAUCA* Sieber ex Spreng. Casuarinaceae. **Beefwood.**

Tree to 40 feet high; suckers to form shelter thickets; very hardy; tolerates swampy and saline conditions; foliage useful as fodder.

274927. *DODONAEA ATTENUATA* A. Cunn. Sapindaceae.

Shrub to 8 feet high. Useful as shelter if planted in dense clumps. Annual rainfall 15 inches.

274928. *EUCALYPTUS CALCICULTRIX* F. Muell. Myrtaceae.

Small tree or mallee, useful as shelter if planted in clumps. Annual rainfall 8 inches.

274929. *EUCALYPTUS CALYCOGONA* Turcz.

Mallee to 25 feet high. Useful as shelter. Annual rainfall 10 inches.

274930. *EUCALYPTUS FLOCKTONIAE* Maiden

Mallee, sometimes tree, to 26 feet high. Useful as shelter if planted in clumps. Annual rainfall 10 inches.

274931. *EUCALYPTUS FORRESTIANA* Diels

Bushy tree to 15 feet high. Useful as shelter if planted in clumps; fruits ornamental. Annual rainfall 15 inches.

274932. *EUCALYPTUS GRACILIS* F. Muell.

Mallee or tree, useful as shelter. Annual rainfall 10 inches.

274933. *EUCALYPTUS INCRASSATA* Labill.

'Angulosa'. Mallee to 15 feet high. Annual rainfall eight inches.

274915 to 274944—Continued

274934 and 274935. *EUCALYPTUS OLEOSA* F. Muell.

274934. Tree to 30 feet high, or multistemmed mallee to 15 feet high. Annual rainfall 10 inches.

274935. 'Glaucu'. Mallee, useful as shelter. Annual rainfall 10 inches.

274936. *EUCALYPTUS PLATYPUS* Hook.

Bushy tree to 15 feet high with foliage to ground. Annual rainfall 15 inches.

274937. *EUCALYPTUS STOATEI* C. A. Gard.

Bushy tree to 15 feet high. Useful as shelter. Annual rainfall 15 inches.

274938. *EUCALYPTUS UNCINATA* Turcz.

Mallee, useful as shelter. Annual rainfall 10 inches.

274939. *HAKEA MULTILINEATA* Meisn. Proteaceae.

Shrub to 8 feet high. Useful as shelter if planted in clumps on sandy soils.

274940. *MELALEUCA ARMILLARIS* (Soland.) J. E. Smith Myrtaceae.

Annual shrub or tree to 20 ft. high. Useful as shelter on sandy soils. Annual rainfall 15 inches.

274941. *MELALEUCA NESOPHILA* F. Muell.

Hardy, quick-growing shrub to 10 feet high, or tree to 30 feet high. Annual rainfall 15 inches.

274942. *MELALEUCA PUBESCENS* Schauer ex Walp.

Hardy, drought resistant, tree to 12 feet high. Tolerant of most soils and conditions. Annual rainfall 10 inches.

274943. *MELALEUCA WILSONII* F. Muell.

Bushy shrub to 8 feet high. Useful as shelter on sandy soils. Annual rainfall 15 inches.

274944. *TEMPLETONIA RETUSA* (Vent.) R. Br. Fabaceae.

Melbourne coralbush.

Bushy shrub to 8 feet high. Useful as shelter. Annual rainfall 15 inches.

274945 to 274957.

From Senegal. Seeds presented by the Centre de Recherches Agronomiques, Bambey. Received May 29, 1961.

274945. *CROTALARIA ASTRAGALINA* Hochst. ex A. Rich. Fabaceae.

274946. *CROTALARIA ATRORUBENS* Hochst. ex Benth.

274947. *CROTALARIA GLAUCOIDES* E. G. Baker.

274948. *CROTALARIA JUNCEA* L.

Sunn-hemp.

Originally from Guadeloupe.

274949. *CROTALARIA LANCEOLATA* E. Mey.

Originally from Guadeloupe.

274950. *CROTALARIA FERROTTETII* DC.

274951. *CROTALARIA RETUSA* L.

274952. *CROTALARIA SENEGALENSIS* Bacle

274953. *CROTALARIA VERRUCOSA* L.

Originally from Guadeloupe.

274945 to 274957—Continued

274954. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**
'Agrestis'.

274955. SORGHUM HALEPENSE (L.) Pers. Poaceae. **Johnsongrass.**
Originally from the United States.

274956. SORGHUM SUDANENSE (Piper) Stapf **Sudangrass.**
Originally from the United States.

274957. SORGHUM BICOLOR (L.) Moench
Originally from Mali.

274958. CITRUS (L.) Osbeck \times PONCIRUS TRIFOLIATA
(L.) Raf. Rutaceae.

From Argentina. Estacion Experimental Agropecuaria, Concordia. Received May 29, 1961.

'Citrange Marrakesh'.

274959 to 274965. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From the Union of Soviet Socialist Republics. Tubers presented by the All-Union Institute of Plant Industry, Leningrad. Received May 29, 1961.

274959. 'Epron' ('Epicure' \times 'Alma'). Early variety. Wart susceptible.

274960. 'Jugovostocznyj' ('Epicure' \times 'Jubel'). Early variety. Wart resistant.

274961. 'Priekulskij Rannij' ('Cobbler' \times 'Jubel'). Early variety. Wart resistant.

274962. 'Severnaja Rosa' ('Early Rose' \times 'Juble'). Early variety. Wart resistant.

274963. 'Uljanovskij' ('Deodara' \times 'Furstenkrone'). Early variety. Wart susceptible.

274964. 'Volzhanin' ('Epicure' \times 'Katadhin'). Main crop variety. Wart susceptible.

274965. 'Vyrypaevskij' ('Lorch' \times 'Jubel'). Main crop variety. Wart resistant.

274966 to 274999.

From sources indicated. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 31, 1961.

274966. ABIES sp. Pinaceae.

Col. No. 1072. Chandigarh, India. Handsome timber tree.

274967. ALTHAEA sp. Malvaceae.

Col. No. 1083. Seven miles above Pahlgam, India. Wild hollyhock.

274968. CLEMATIS sp. Ranunculaceae.

Col. No. 749. Dry, rocky canyon, Pakistan. Perennial, suffrutescent herb to three feet high.

274969. CLEMATIS sp.

Col. No. 750. Field and terraces ten miles below Gupis, Pakistan. Ornamental vine to 20 feet long.

274966 to 274999—Continued

274970. *CLEMATIS* sp.

Col. No. 1900. Rocky, mountain slope four miles east of Aremaya College, Ethiopia. Vine growing over low shrubs.

274971. *CLEMATIS* sp.

Col. No. 2018. Steep mountainside. Elevation 7,150 feet. Vine.

274972. *COTONEASTER MICROPHYLLA* Wall. ex Lindl. Malaceae.

Col. No. 1088. Two miles above Chandawari, India. Elevation 10,500 feet. Plant mat forming, to six inches high; berries bright red.

274973. *CUPRESSUS SEMPERVIRENS* var. *HORIZONTALIS* (Miller) Gordon
Pinaceae.

Col. No. 165. Jardins de Ramsor, Iran.

274974. *CUPRESSUS SEMPERVIRENS* f. *STRICTA* (Ait.) Rehder

Col. No. 166. Jardins de Ramsor, Iran.

274975. *ERIOPHORUM* sp. Cyperaceae.

Col. No. 1269. Sixteen miles from Simla, towards Kalka, India. Ornamental sedge; heads pussy-willowlike.

274976. *ESCHSCHOLTZIA CALIFORNICA* Cham. Papaveraceae.

Common California-poppy.

Col. No. 164. Jardins de Ramsor, Iran.

274977. *GREWIA* sp. Tiliaceae.

Col. No. 1301. Twenty miles from Nahan, India. Tree to 30 feet high; fruit in fours, black.

274978. *HIBISCUS* sp. Malvaceae.

Col. No. 1815. Three miles northeast of Igatpuri, India. Plant 5.5 feet high.

274979. *HIBISCUS* sp.

Col. No. 1823. Near lake, Aremaya College, Ethiopia. Plant ornamental, to 7 feet high, much branched; leaves small; flowers yellow.

274980. *HIBISCUS* sp.

Col. No. 2097. Six miles east of Freda, Chercher Highlands, Ethiopia. Elevation 8,200 feet. Ornamental; flowers small, purple.

274981. *HYPERICUM* sp. Hypericaceae.

Col. No. 2019. Steep mountain slope, Ethiopia. Shrub to 10 feet high; leaves glossy; flowers yellow, showy.

274982. *ILEX DIPYRENA* Wall. Aquifoliaceae.

Himalaya holly.

Col. No. 1120. Moist woods 1.5 miles from Dalhousie, India. Ornamental tree to 30 feet high; leaf margins spiny.

274983. *IRIS ACUTILOBA* Meyer Iridaceae.

Col. No. 621. North side, 1,000 feet below Babusar Pass, Pakistan. Elevation 13,000 feet. Plant bulbous; leaves to 8 inches long, narrow.

274984. *IRIS KASHIMIRIANA* Baker

Kashmir iris.

Col. No. 1058. India. Plant to 2.5 feet high; leaves narrow.

274985. *IRIS MILESII* Baker ex Foster

Himalayan iris.

Col. No. 1225. Edge of fir-spruce forest, one mile above Mandali, India. Elevation 7,000 feet. Leaves to 3.5 feet long, two inches wide.

274966 to 274999—Continued

274986. JUNIPERUS sp. Pinaceae.

Col. No. 1087. Two miles above Chandawari, India. Elevation 10,500 feet. Plant prostrate, to 18 inches high, dense, ornamental.

274987. KENNEDYA sp. Fabaceae.

Col. No. 2022. Ethiopia. Scant foliage shrub; flowers blue, attractive.

274988. KLEINIA sp. Asteraceae.

Col. No. 1835. East side of college land, Aremaya, Ethiopia. Plant to 7 feet high, dense; leaves small, succulent; flowers sweet scented. Native to semidesert areas; used as hedge.

274989. ONCOBA sp. Loganiaceae.

Col. No. 1882. General market, Harar, Ethiopia. Small tree used as ornamental and hedge plant.

274990. PRUNUS sp. Amygdalaceae.

Col. No. 102. Behistun Mountains, Iran. Elevation 5,500 feet. Shrub to 6 feet high; leaves and fruits very small; stands pruning well.

274991. PTEROCEPHALUS sp. Dipasceae.

Col. No. 1902. Rocky mountainside, 4 miles east of college, Aremaya, Ethiopia. Ornamental.

274992. ROBINIA PSEUDOACACIA L. Fabaceae. **Common locust.**

Col. No. 220. Six miles west of Paghman, Afghanistan. Shade tree.

274993. ROSA ABYSSINICA R. Br. Rosaceae.

Col. No. 1840. Wild near lake, college, Aremaya, Ethiopia. Plant five stemmed; leaves small; flowers small, white.

274994. ROSA sp.

Col. No. 1068. Chandigarh, India. Canes slender, drooping, to five feet long.

274995. SAMBUCUS EBULUS L. Caprifoliaceae. **Danewort.**

Col. No. 1049. Gulmarg, India. Elevation 8,000 feet. Plant 5 feet high, in dense thicket.

274996. SETARIA cf. PLICATILIS (Hochst.) Hack. Poaceae.

Col. No. 1982. In forest at edge of coffee plantation, six miles west of Jimma, Ethiopia. Ornamental plant to 12 feet high; leaves broad, ribbed.

274997. Undetermined.

Col. No. 155. In Iran, eight miles west of Iran-Afghanistan border. Plants in bunches on dry desert; leaves long, slender.

274998. Undetermined.

Col. No. 329. Desert, 16 miles west of Kandahar, Afghanistan. Plant bulbous; leaves slender, to 18 inches long.

274999. Undetermined.

Col. No. 681. Wild along paths, on terraces, Namal, Pakistan. Plant bulbous, to 2 feet high; leaves slender.

275000 to 275002. PHASEOLUS VULGARIS L. Fabaceae.

From British Guiana. Seeds presented by the United States Operations Mission, Georgetown. Received June 2, 1961.

Originally from northeast Thailand. Vigorous running snap beans, to 15 feet high in tropics.

275000. No. 1.

275001. No. 2.

275002. No. 3.

275003 to 275017.

From Bulgaria. Seeds presented by the Bulgarian Legation, Washington, D.C. Received June 2, 1961.

- 275003 to 275007. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae.
Cabbage.
275003. 'Bialo Likorishko'.
275004. 'Gerveno Hako'.
275005. 'Kose'.
275006. 'Sino Srvsko'.
275007. 'Sivo Lekonshko'.
275008. *CAPSICUM ANNUUM* L. Solanaceae. Pimento.
'Biala Kapiya'.
275009. *CAPSICUM ANNUUM* L. Pimento.
'Bialratund'.
275010. *CAPSICUM ANNUUM* L. Pimento.
'Gorogled'.
275011. *CAPSICUM* sp.
'Novoselska Kapiya'.
275012. *CAPSICUM ANNUUM* L. Pimento.
'Plovdin Lum'.
275013. *CAPSICUM* sp.
'Shumenski Rotund'.
- 275014 to 275017. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
275014. 10 × 'Bizon'.
275015. 'Komet' × 'Zaria'.
275016. 'Rudzhars' × 'Zaria'.
275017. 'Zaria' × 'Komet'.

275018 to 275028.

From Japan. Cuttings presented by Hideo Kubota, Tochigi Prefecture. Received June 5, 1961.

275018. *ACER SHIRASAWANUM* Koidz. Aceraceae.
275019. *BETULA CORYLIFOLIA* Regel & Maxim. Betulaceae.
275020. *BETULA GLOBISPICA* Shirai
275021. *CLEMATIS APIIFOLIA* var. *BITERNATA* Makino Ranunculaceae.
275022. *CLEMATIS MAXIMOWICZIANA* Franch. ex Savat.
275023. *CLEMATIS STANS* Sieb. & Zucc.
275024. *PRUNUS INCISA* var. *YAMADEI* (Makino) Ohwi Amygdalaceae.
275025. *POTENTILLA FRUTICOSA* var. *LEUCANTHA* Makino Rosaceae.
275026. *RHODODENDRON PULCHRUM* Sweet Ericaceae.
275027. *RHODODENDRON SEMIBARBATUM* Maxim. Autumnleaf azalea.
275028. *SPIRAEA JAPONICA* L. f. Rosaceae. Japanese spirea.
'Albiflora'.

275029 to 275034.

From Japan. Seedlings collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 5, 1961.

275029 to 275031. RHODODENDRON JAPONICUM (Gray) Schneid. **Japanese azalea.**
Ericaceae.

275029. Col. No. 917. Along the sea cliffs, Orahama, Tomioka, Ibaraki Prefecture. Flowers orange.

275030. Col. No. 920. On Mount Ootakine, Ibaraki Prefecture. Plant deciduous; flowers orange.

275031. Col. No. 922. Hebusu Mountain, Ibaraki Prefecture. Elevation 600 meters.

275032 to 275034. RHODODENDRON OBTUSUM var. KAEMPFERI (Planch.) Wilson **Torch azalea.**

275032. Col. No. 918. Along the sea cliffs, Orahama, Tomioka, Ibaraki Prefecture.

275033. Col. No. 919. Along sea cliffs, Orahama, Tomioka, Ibaraki Pref. Typical wild plant, except calyx is petaloid.

275034. Col. No. 921. On Ootakine, Ibaraki Pref. Elevation 1,100 meters. Plant with upright habit; flowers orange and salmon to rose purple.

275035 to 275038.

From Costa Rica. Plants presented by Charles Lankester, Cartago. Received June 5, 1961.

275035. ARPOPHYLLUM SPICATUM Llave & Lex. Orchidaceae. **Orchid.**

275036. ODONTOGLOSSUM CHIRIQUENSE Reichb. f. Orchidaceae. **Orchid.**

275037. ODONTOGLOSSUM SCHLIEPERIANUM Reichb. f. **Orchid.**
'Xanthotica'.

275038. STANHOPEA COSTARICENSIS Reichb. f. Orchidaceae.

275039. CITROPSIS MIRABILIS Swingle & Kellerman Rutaceae.

From the Belgian Congo. Fruits presented by C. S. Stephanides, Leopoldville. Received June 6, 1961.

275040 and 275041.

From Japan. Roots and seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 5, 1961.

275040. HEMEROCALLIS LONGITUBA Miq. Liliaceae.

Col. No. 916. Along sea cliffs, Tomoka, Ibaraki Prefecture. Orange-flowered daylily in full bloom mid- to late May. Early flowering habit may be of value. (Roots).

275041. QUERCUS MYRSINFIOLIA Blume Fagaceae.

Col. No. 915. Izura, Ibaraki Prefecture. Plant evergreen; leaves small, ovate, glossy. (Seeds).

275042 to 275052. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From the Union of Soviet Socialist Republics. Tubers presented by the All-Union Institute of Plant Industry, Leningrad. Received June 7, 1961.

275042. 'Borodjanskij' ('President Kruger' × 'Furstenkrone'). Early variety. Wart resistant.

275042 to 275052—Continued

275043. 'Czetyrechsotka' ('Fruhmolle' × Seedling 15627). Kiev Region. Main crop variety. Wart resistant.
275044. 'Katjuscha' ('Jubel' × 'Maika'). Kiev Region. Late variety. Wart resistant.
275045. 'Karkazskij' (East Siberia).
275046. 'Ostrovskij' (Seedling No. 66 × 'Alma'). Main crop variety. Wart resistant.
275047. 'Rannij Poleskij' ('Cobbler' × 'Furstenkrone'). Early variety. Wart resistant.
275048. 'Sedov' ('Early Rose' × 'Katahdin'). Early variety. Wart susceptible.
275049. 'Severjanin' ('Early Rose No. 1830' × 'Katahdin'). Early variety. Wart susceptible.
275050. 'Sibirjak' (Seedling of unknown origin). Main crop variety. Wart susceptible.
275051. 'Tulunskij'. East Siberia.
275052. 'Volzhanin'. ('Epicure' × 'Katadhin'). Bashkir autonomous. Main crop variety. Wart susceptible.

275053 to 275062.

From Japan. Plants collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 2, 1961.

275053. *ARDISIA CRENULATA* Lodd. Myrsinaceae.
Col. No. 911. Hanakawa-Kita-Ibaraki City, Ibaraki Prefecture. Small evergreen shrub; fruit red.
275054. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**
Col. No. 913. Izura, Kita-Ibaraki City, Ibaraki Prefecture. Typical species, representing the seaside type.
275055. *HYDRANGEA INVOLUCRATA* Sieb. Hydrangaceae.
Col. No. 906. Small hill above Kisara village, Ibaraki Prefecture. Plant low growing, involucre large, purple.
275056. *ILEX CRENATA* Thunb. Aquifoliaceae. **Japanese holly.**
Col. No. 904. Small hill Maetoku School, Kisara Village, Ibaraki Prefecture. Small evergreen holly.
275057. *LASTREA OLIGOPHLEBIA* (Baker) Copel. Polypodiaceae.
Col. No. 912. Mount Hanazono, Kita-Ibaraki City, Ibaraki Prefecture. Elevation 800 meters. Plant small; leaves compound.
275058. *PITTOSPORUM TOBIRA* (Willd.) Ait. Pittosporaceae. **Tobira.**
Col. No. 914. Izura, Kita-Ibaraki City, Ibaraki Prefecture. Evergreen shrub; flowers white, late May.
275059. *RHODODENDRON DEGRONIANUM* Carr. Ericaceae.
Col. No. 910. Mount Hanazono, Ibaraki City, Ibaraki Prefecture. Elevation 800 meters. Evergreen shrub; flowers pink, early May.
- 275060 and 275061. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson **Torch azalea.**
275060. Col. No. 908. Near seashore, edge of rice field, Kita-Ibaraki City, Ibaraki Prefecture. Deciduous shrub; flowers brick red, a late blooming type.
275061. Col. No. 903. Behind Maetoku School, Kisara Village, Ibaraki Prefecture.

275053 to 275062—Continued

275062. RHODODENDRON QUINQUEFOLIUM Biss. & Moore Cook azalea.
Col. No. 909. Mount Hanazono, Ibaraki Prefecture. Elevation 800 meters. Plant deciduous; flowers white.

275063 to 275069. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Great Britain. Seeds presented by the Plant Breeding Institute, Cambridge, England. Received June 8, 1961.

All seeds from hand pollination in greenhouse, on uninfected plants.

275063. 231.1.5.2.1 × L157/7142. Index V4a.

275064. 231.1.5.2.3 × L157/7542. Index V4e.

275065. 248.1.2.1 × L159/7630. Index V10.

275066. 642.41.2.2.1 × L157/7241. Index V15a.

275067. 642.41.2.2.2 × L157/7205. Index 15c.

275068. 229.2.3.2 × (245.1.1.1.3.1.2 × L157/7841). Index V9aT.

275069. 229.2.3.3 × (333.3.1.1.1 × L160/7911). Index V14aT.

275070 to 275079.

From Japan. Plants and cuttings collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 8, 1961.

275070. ARDISIA JAPONICA (Thunb.) Blume Myrsinaceae.

Col. No. 924. Akaidake, Taira, Ibaraki Prefecture. Elevation 605 meters. Evergreen ground cover.

275071. CAMELLIA JAPONICA L. Theaceae. Common camellia.

Col. No. 923. Akaidake, Taira, Ibaraki Prefecture. Elevation 605 meters. Flowers single, red, late May.

275072. CITRUS RETICULATA Blanco Rutaceae. Mandarin orange.

Col. No. 932. 'Tumida'. Hotel garden, foot of Mount Tsukuba, Ibaraki Prefecture. Small-fruited mandarin type, reported to be especially hardy.

275073. EUONYMUS FORTUNEI (Turcz.) Hand.-Mazz. Celastraceae.

Col. No. 928. Mount Tsukuba, Ibaraki Prefecture. Elevation 700 meters. Small-leaved evergreen.

275074. HOSTA RECTIFOLIA Nakai Liliaceae.

Col. No. 926. Akaidake, Taira, Ibaraki Prefecture. Elevation 550 meters. Herbaceous plant; leaves narrow, lanceolate.

275075. HOSTA sp.

Col. No. 929. Top of Mount Tsukuba, Ibaraki Prefecture. Elevation 827 meters.

275076. HOSTA sp.

Col. No. 930. On Mount Tsukuba, Ibaraki Prefecture. Elevation 450 meters.

275077. ILEX CRENATA Thunb. Aquifoliaceae. Japanese holly.

Col. No. 927. Mount Tsukuba, Ibaraki Prefecture. Elevation 450 meters. Leaves narrow, small.

275078. PSEUDOSASA JAPONICA (Sieb. & Zucc.) Makino Poaceae.

Col. No. 931. 'Tsutsumiana'. Mito, Ibaraki Prefecture. Rare form with side opposite to bud swollen.

275079. SHORTIA SOLDANELLOIDES (Sieb. & Zucc.) Makino Diapensiaceae.

Col. No. 925. Mountains above Biobu valley, Taira City, Ibaraki Prefecture. Elevation 500 meters. Small ground cover with rotund leaves; flowers pink.

275080 to 275082.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 12, 1961.

275080. *HEDERA* sp. Araliaceae.

Col. No. 883. Top of Mount Kosho, Central Kyushu. Elevation 861 meters. Adult form growing on boxwood trees; leaves entire, simple.

275081 and 275082. *RHODODENDRON JAPONICUM* (Gray) Schneid. **Japanese azalea.**
Ericaceae.

Dry hill, in full sun, Seidagawa Mountain, Kyushu. Plants to one meter high; flowers ranging from red to yellow.

275081. Col. No. 886. Seeds from red form.

275082. Col. No. 887. Seeds from yellow form.

275083 to 275107.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received June 12, 1961.

275083. *BOTHRIOCHLOA INSCULPTA* (Hochst.) A. Camus Poaceae. E.C. 982.

275084. *BRACHIARIA BRIZANTHA* (Hochst.) Stapf Poaceae. **Palisade signalgrass.**

E.C. 14202.

275085. *BRACHIARIA DECUMBENS* Stapf

E.C. 2131.

275086. *BRACHIARIA MUTICA* (Forsk.) Stapf

E.C. 9715.

275087. *CHLORIS GAYANA* Kunth Poaceae. **Rhodesgrass.**

I.W. 1590.

275088. *CYAMOPSIS TETRAGONOLOBIA* (L.) Taub. Fabaceae. **Guar.**

I.C. 40.

275089. *DESMODIUM TORTUOSUM* (Sw.) DC. Fabaceae.

E.C. 871.

275090. *DICHANTHIUM ANNULATUM* (Forsk.) Stapf Poaceae. **Palwan.**

I.W. 1591.

275091. *DOLICHOS BIFLORUS* L. Fabaceae **Twinflower dolichos.**

I.C. 6762.

275092. *DOLICHOS LABLAB* L. **Hyacinth-bean.**

'Pusa Green Bunch'.

275093. *ELYONURUS HIRSUTUS* Munro ex Benth. Poaceae.

I.W. 1492.

275094. *GLYCINE JAVANICA* L. Fabaceae.

E.C. 7058.

275095. *LATHYRUS OCHRUS* (L.) DC. Fabaceae.

E.C. 1014.

275096. *PANICUM ANTIDOTALE* Retz. Poaceae.

I.W. 1594.

275083 to 275107—Continued275097. *Panicum turgidum* Forsk.

I.W. 1694.

275098. *Paspalum dilatatum* Poir. Poaceae.

Dallisgrass.

E.C. 929.

275099. *Paspalum notatum* Fluegge

Bahigrass.

E.C. 9497.

275100 to 275105. *Cenchrus ciliaris* L. Poaceae.

Buffelgrass.

275100. E.C. 2138.

275103. I.W. 1588.

275101. E.C. 13712.

275104. S. 1535.

275102. E.C. 15934.

275105. S. 7382.

275106. *Pennisetum pedicellatum* Trin.

E.C. 7066.

275107. *Themeda anathera* (Nees) Hack. Poaceae.

I.C. 3654.

275108 to 275110.

From Colombia. Seeds presented by Coleccion Central Colombiana, Estacion Experimental de Papa, Ministerio de Agricultura, Bogota. Received Feb. 27, 1959. Numbered June 12, 1961.

275108. *Solanum caripense* Humb. & Bonpl. ex Dun. Solanaceae.

CCC.

275109. *Solanum juglandifolium* Humb. & Bonpl.

CCC 1160.

275110. *Solanum phureja* Juz. & Buk.

CCC 1. 'Soliman'.

275111 to 275123.

From the Netherlands. Seeds presented by the Institute of Agricultural Plant Breeding, Wageningen. Received March 3, 1959. Numbered June 12, 1961.

275111. *Solanum kurtzianum* Bitt. & Wittm. × *S. goniocalyx* Juz. & Buk. Solanaceae.WAC 644. Resistant to *Heterodera rostocchensis*.275112 to 275123. *Solanum andigenum* Juz. & Buk.

275112. WAC 238.

275118. WAC 401.

275113. WAC 294.

275119. WAC 436.

275114. WAC 306.

275120. WAC 736.

275115. WAC 312.

275121. WAC 764.

275116. WAC 350.

275122. WAC 766.

275117. WAC 396a.

275123. WAC 767.

275124 to 275155.

From Denmark. Seeds presented by Landbrugets Kartoffelfond, Forædlingsstationen, Vandel. Received May 15, 1959. Numbered June 12, 1961.

275124 to 275131. *Solanum acaule* Bitter Solanaceae.

275124. Petersen & Hjerting 329 (Vandel 1956).

275124 to 275155—Continued**275124 to 275131—Continued**

275125. P. & H. 344 (Vandel 1956).
275126. P. & H. 353b (Vandel 1957).
275127. P. & H. 358 (Vandel 1956).
275128. P. & H. 970 (Vandel 1956).
275129. P. & H. 1582 (Vandel 1957).
275130. Hjerting, Petersen & Rahn. 312 (Vandel 1956).
275131. P. & H. 1897 (Org. 1956).

275132. SOLANUM ACAULE Bitter

P. & H. 353a (Vandel 1957).

275133. SOLANUM AEMULANS Bitter & Wittm.

P. & H. 1898 (Vandel 1957).

275134 to 275142. SOLANUM CHACOENSE Bitter

275134. P. & H. 76 (Vandel 1955).
275135. P. & H. 84 (Vandel 1955).
275136. P. & H. 349 (Vandel 1958).
275137. P. & H. 1889 (Vandel 1957).
275138. H. P. & R. 56 (Org. 1956).
275139. H. P. & R. 297 (Org. 1956).
275140. H. P. & R. 356 (Org. 1956).
275141. H. P. & R. 357 (Org. 1956).
275142. H. P. & R. 370 (Org. 1956).

275143 and 275144. SOLANUM FAMATINAE Bitt. & Wittm.

275143. P. & H. 1893 (Org. 1956).
275144. P. & H. 1900a (Org. 1956).

275145. SOLANUM GIGANTOPHYLLUM Bitter

H. P. & R. 399 (Org. 1956).

275146. SOLANUM INFUNDIBULBIFORME Phil.

P. & H. 360 (Vandel 1956).

275147 to 275149. SOLANUM MEGISTACROLOBUM Bitter

275147. P. & H. 366 (Vandel 1957).
275148. Hjerting & Rahn 255 (Org. 1956).
275149. H. P. & R. 316 (Org. 1956).

275150 and 275151. SOLANUM MICRODONTUM Bitter

275150. P. & H. 348 (Vandel 1957).
275151. P. & H. 364 (Vandel 1957).

275152. SOLANUM SANCTAE-ROSAE Hawkes

P. & H. 328 (Vandel 1957).

275153. SOLANUM SPARSIPILUM (Bitter) Juz. & Buk.

P. & H. 1534 (Vandel 1956).

275154. SOLANUM TARIJENSE Hawkes

H. & R. 151 (Org. 1956).

275155. SOLANUM VERNEI Bitt. & Wittm.

'Ballsii'. P. & H. 351 (Vandel 1956).

275156 to 275261.

From Great Britain. Seeds and tubers presented by the University of Birmingham, Birmingham, England. Received August 1958 and April 1960. Numbered June 13, 1961.

275156 to 275167. SOLANUM FENDLERI A. Gray Solanaceae.

275156 to 275161. From New Mexico.

275156. No. 1156. 275159. No. 1160.

275157. No. 1157. 275160. No. 1172.

275158. No. 1158. 275161. No. 1174.

275162 to 275167. From Arizona.

275162. No. 1177. 275165. No. 1209.

275163. No. 1180. 275166. No. 1210.

275164. No. 1204. 275167. No. 1217.

275168 to 275173. SOLANUM JAMESII Torr.

275168. No. 1143. From Colorado.

275169. No. 1176. From New Mexico.

275170 to 275173. From Arizona.

275170. No. 1197. 275172. No. 1207.

275171. No. 1201. 275173. No. 1212.

275174. SOLANUM FENDLERI A. Gray

No. 1356. From Coahuila, Mexico.

275175 to 275178. SOLANUM AGRIMONIFOLIUM Rydb.

From Guatemala, as indicated.

275175. No. 1851. San Marcos.

275176. No. 1868. Quezaltenango.

275177. No. 1891. Totonicapan.

275178. No. 1892. Totonicapan.

275179 to 275183. SOLANUM BRACHYCARPUM (Correll) Correll

From Mexico, as indicated.

275179. No. 1547. Jalisco. 275182. No. 1655. Puebla.

275180. No. 1577. Michoacan. 275183. No. 1710. Oazaca.

275181. No. 1654. Puebla.

275184 to 275200. SOLANUM BULBOCASTANUM Dun.

275184 to 275186. Distrito Federal, Mexico.

275184. No. 1581.

275185. No. 1582.

275186. No. 1583.

275187. No. 1584. Michoacan, Mexico.

275188. No. 1585. Mexico.

275189. No. 1586. Mexico.

275190. No. 1587. Puebla, Mexico.

275191. No. 1588. Puebla, Mexico.

275192. No. 1589. Tlaxcala, Mexico.

275156 to 275261—Continued**275184 to 275200—Continued**

275193 to 275196. Oaxaca, Mexico.

275193. No. 1590. 275195. No. 1592.

275194. No. 1591. 275196. No. 1593.

275197. No. 1594. Distrito Federal, Mexico.

275198. No. 1595. No source data.

275199. No. 1596. Mexico.

275200. No. 1796. Huehuetenango, Guatemala.

275201 to 275205. SOLANUM CLARUM Correll

From Guatemala, as indicated.

275201 to 275204. Totonacapan.

275201. No. 1827. 275203. No. 1839.

275202. No. 1833. 275204. No. 1884.

275205. No. 1909. Sacatepequez.

275206 to 275211. SOLANUM DEMISSUM Lindl.

From Mexico, unless otherwise noted.

275206. No. 1295. Chihuahua.

275207. No. 1296. Chihuahua.

275208. No. 1601.

275209. No. 1657. Hidalgo.

275210. No. 1608.

275211. No. 1782. Huehuetenango, Guatemala.

275212 to 275216. SOLANUM EHRENBERRGII Rydb.

From Mexico, as indicated.

275212 to 275214. Queretaro.

275212. No. 1427.

275213. No. 1428.

275214. No. 1429.

275215. No. 1492. Jalisco.

275216. No. 1421. Queretaro.

275217 to 275223. SOLANUM MORELLIFORME Bitter & Muench.

275217. No. 1507. From Michoacan, Mexico.

275218. No. 1613. From Mexico State, Mexico.

275219. No. 1644. From Vera Cruz, Mexico.

275220. No. 1648. From Vera Cruz, Mexico.

275221. No. 1731. From El Quiche, Guatemala.

275222. No. 1805. From Quezaltenango, Guatemala.

275223. No. 1809. From Quezaltenango, Guatemala.

275224 to 275226. SOLANUM OXYCARPUM Schiede

From Vera Cruz, Mexico.

275224. No. 1643.

275225. No. 1645.

275226. No. 1649.

275156 to 275261—Continued**275227 to 275229. SOLANUM PAPITA Rydb.**

From Mexico, as indicated.

275227. No. 1482. Durango.

275228. No. 1486. Durango.

275229. No. 1488. Zacatecas.

275230 to 275236. SOLANUM PINNATISECTUM Dun.

From Mexico, as indicated.

275230. No. 1424. Queretaro.

275231. No. 1426. Queretaro.

275232. No. 1435. Guanajuato.

275233. No. 1455. Guanajuato.

275234 to 275236. Jalisco.

275234. No. 1456.

275235. No. 1457.

275236. No. 1505.

275237 to 275239. SOLANUM POLYADENIUM Greenm.

From Michoacan, Mexico.

275237. No. 1567.

275238. No. 1568.

275239. No. 1569.

275240 and 275241. SOLANUM POLYTRICHON Rydb.

From Mexico, as indicated.

275240. No. 1467. Zacatecas.

275241. No. 1669. Queretaro.

275242 and 275243. SOLANUM SAMBUCINUM Rydb.

From Mexico, as indicated.

275242. No. 1439. Guanajuato.

275243. No. 1442. Guanajuato.

275244 to 275253. SOLANUM STOLONIFERUM Schlecht.

From Mexico, as indicated.

275244. No. 1293. Chihuahua.

275245. No. 1388. Mexico State.

275246. No. 1392. Mexico State.

275247. No. 1403. Mexico State.

275248 to 275251. Michoacan.

275248. No. 1502.

275249. No. 1521.

275250. No. 1554.

275251. No. 1669.

275252. No. 1720. Oaxaca.

275253. No. 1652. Hidalgo.

275156 to 275261—Continued

275254 to 275261. *SOLANUM VERRUCOSUM* Schlecht.

275254 to 275257. From Michoacan, Mexico.

275254. No. 1513.

275255. No. 1527.

275256. No. 1528.

275257. No. 1532.

275258. No. 1546. Jalisco, Mexico.

275259. No. 1548. Jalisco, Mexico.

275260. No. 1658. Hidalgo, Mexico.

275261. No. 1724. Oaxaca, Mexico.

275262 to 275268.

From Canada. Seeds presented by Department of Science Service, Division of Botany and Plant Pathology, Ottawa, Ontario. Received May 17, 1960. Numbered June 13, 1961. From Arizona and New Mexico.

275262 to 275266. *SOLANUM JAMESII* Torr. Solanaceae.

275262. CSC 381 × 386.

275265. CSC 388 × 381.

275263. CSC 382 × 381.

275266. CSC 388 × 384.

275264. CSC 386 × 388.

275267. *SOLANUM BULBOCASTANUM* Dun. × *S. CARDIOPHYLLUM* Lindl.

CSC 238 × 297.

275268. *SOLANUM CARDIOPHYLLUM* Lindl. × *S. BULBOCASTANUM* Dun.

CSC 370 × 194.

275269. *SOLANUM CHIQUIDENUM* Ochoa Solanaceae.

From Peru. Seeds presented by the Programa Cooperativo de Experimentacion Agropecuaria, Programa de Papa, Lima. Received August 10, 1960. Numbered June 13, 1961.

Ochoa 1506.

275270 to 275278.

From Germany. Seeds presented by the Max Planch Institut, Koln-Vogelsang. Received Feb. 15, 1961. Numbered June 13, 1961.

275270. *SOLANUM* (hybrid). Solanaceae.

(*S. aracc-papa* Juz. × *S. raphanifolium* Card. & Hawkes hybrid).

EBS 1878.

275271. *SOLANUM BUKASOVII* Juz.

EBS 1900.

275272. *SOLANUM COELESTIPETALUM* Vargas

EBS 1891.

275273. *SOLANUM LIGNICAULE* Vargas

EBS 1884.

275274 and 275275. *SOLANUM PAMPASENSE* Hawkes

275274. EBS 1894.

275275. EBS 1895.

275270 to 275278—Continued

275276 and 275277. *SOLANUM SPARSIPILUM* (Bitter) Juz. & Buk.

275276. EBS 1801.

275277. EBS 1886.

275278. *SOLANUM SUBANDIGENUM* Hawkes

EBS 1790.

275279 to 275287. *SACCHARUM* (hybrids). Poaceae **Sugarcane.**

From Indonesia. Cuttings presented by the Balai Penyelidikan Perusahaan Gula, Pasuruan. Received June 14, 1961.

275279. POJ 3086.

275284. POJ 3139.

275280. POJ 3101.

275285. POJ 3140.

275281. POJ 3126.

275286. POJ 3141.

275282. POJ 3137.

275287. POJ 3142.

275283. POJ 3138.

275288. *HIBISCUS SABDARIFFA* L. Malvaceae. **Roselle.**

From Ghana. Seeds presented by the Ministry of Agriculture, Accra. Received June 14, 1961.

From the University College Farm, Nungua, about 10 miles inland from Accra.

275289 and 275290. *TRIFOLIUM REPENS* L. Fabaceae. **Whiteclover.**
Solanaceae.

From Denmark. Seeds presented by L. Doehnfeldt, Odense. Received June 14, 1961.

275289. 'Adefa II V'.

275290. 'Daeno II K'.

275291. *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl.) Mill. **Currant tomato.**
Solanaceae.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered June 15, 1961.

59-1 G4601. From the U.S. Field Station, Cheyenne, Wyoming. Plant prostrate, to 90 inches wide, 25 inches high; fruits red, globose, two-loculed, watery, 0.56 inches in diameter, 8 to 18 per cluster.

275292. *MALUS SYLVESTRIS* Mill. Malaceae.

From the Republic of South Africa. Cuttings presented by the Botanic Gardens, Pietermaritzburg, Natal. Received June 14, 1961.

'Wainwright'.

275293 and 275294.

From Germany. Plants presented by H. A. Hesse Baumschulen, Weener. Received May 2, 1960. Numbered June 14, 1961.

275293. *JUNIPERUS COMMUNIS* var. *SAXATILIS* Pall. Pinaceae.

'Nana'.

275294. *TAXUS BACCATA* L. Taxaceae. **English yew.**

'Regent'. Type V.

275295 to 275299.

From Indonesia. Seeds presented by the Bogor Botanic Garden, Bogor. Received June 14, 1961.

275295. *EUONYMUS JAVANICUS* Blume Celastraceae.

275296. *LAGERSTROEMIA DUPERREANA* Pierre ex Gagnep. Lythraceae.

275297. *LAGERSTROEMIA SPECIOSA* (Muench.) Pers. **Queen crapemyrtle.**

275298. *LAGERSTROEMIA SUBCOSTATA* Koehne

275299. *LAGERSTROEMIA* sp.

275300 to 275302.

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Principalis Academiae Scientiarum, Moscow. Received June 14, 1961.

275300. *DICTAMNUS ANGUSTIFOLIUS* G. Don Rutaceae.

No. 716.

275301. *DICTAMNUS DASYCARPUS* Turcz.

No. 1060.

275302. *PTELEA TRIFOLIATA* L. Rutaceae.

Hop-tree.

No. 1785.

275303 to 275382.

From countries indicated. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 16, 1961.

275303. *AESCHYNOMENE AMERICANA* L. Fabaceae.

Col. No. 1416. India, originally from Australia.

275304. *AESCHYNOMENE INDICA* L.

Col. No. 1149. India. Plant to 3.5 feet high; leaves pinnately divided.

275305. *AGROPYRON* sp. Poaceae.

Col. No. 1090. Pakistan. Plants to 3 feet high.

275306. *ANDROPOGON* sp. Poaceae.

Col. No. 1767. Mountains one mile northwest of Igatpuri, India. Plant to 5 feet high, well grazed.

275307. *ANDROPOGON* sp.

Col. No. 1773. Above water supply lake, Igatpuri, India. Perennial to 7 feet high.

275308. *APLUDEA* sp. Poaceae.

Col. No. 1723. India.

275309. *APLUDEA* sp.

Col. No. 1740. Forest canyon 3 miles east of Mount Abu, India. Leaves long petioled.

275310. *APLUDEA* sp.

Col. No. 1760. Streambank, Palghar, India. Plant to 7 feet high, woody at base.

275311. *ARISTIDA ADSCENSIONIS* L. Poaceae.

Col. No. 1331. India. Plant to 2 feet high.

275303 to 275382—Continued

275312. *ARTHRAOXON* sp. Poaceae.

Col. No. 1577. East of third tableland, Panchgani, India.

275313. *CANNABIS SATIVA* L. Moraceae.

Hemp.

Col. No. 1248. 'Bangaw Low'. Kulu bazaar, India.

275314. *CARTHAMUS* sp. Asteraceae.

Col. No. 405. Ditchbank, 5 miles west of Peshawar, Pakistan. Plants to 18 inches high, prickly.

275315. *CHLORIS DOLICHOSTACHYA* Lag.

Col. No. 1718. Rocky slope near Nikka Lake, Mount Abu, India. Plants to 4 feet high.

275316. *CLITORIA TERNATEA* L. Fabaceae.

Asian pigeonwings.

Col. No. 1409. India, originally from Australia.

275317. *CROTALARIA* sp. Fabaceae.

Col. No. 811. Streamside, Shandoon, Pakistan. Elevation 13,000 feet. Plants to 18 inches high.

275318. *CROTALARIA* sp.

Col. No. 1099. India. Shrubby, erect perennial to 3 feet high; flowers small, yellow.

275319. *CROTALARIA MEDICAGINEA* Lam.

Col. No. 1314. Alwar, India. Plant to 2.5 feet high.

275320. *CROTALARIA* cf. *FILIPES* Benth.

Col. No. 1768. Caprock, top of mountain, 1 mile northwest of Igatpuri, India. Plant small, subprostrate; branches to 6 inches long.

275321. *CROTALARIA* sp.

Col. No. 1780. Along railroad two miles south of Igatpuri, India. Erect annual, to 2 feet high; stems branching.

275322 and 275323. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae.

Guar.

275322. Col. No. 1379. Jodhpur, India.

275323. Col. No. 1380. Jodhpur, India.

275324. *CYMBOPOGON* sp. Poaceae.

Col. No. 1260. Along Mandi-Simla route, India. Bunchgrass to 6 feet high.

275325. *DICHANTHIUM* sp. Poaceae.

Col. No. 1572. West slope, second tableland, Panchgani, India.

275326. *ELEUSINE COMPRESSA* (Forssk.) Aschers. & Schweinf. ex C. Christensen Poaceae.

Col. No. 1339. Thirty-five miles from Jodhpur, India. Plants to 1 foot high, stoloniferous.

275327. *ELYMUS* sp. Poaceae.

Col. No. 802. Pakistan. Bunchgrass.

275328. *EREMOPOGON* sp. Poaceae.

Col. No. 1595. India. Soil poor, gravelly. Plants to 1 foot high.

275329. *ERIANTHUS* sp. Poaceae.

Col. No. 1095. India. Bunchgrass to 4 feet high.

275303 to 275382—Continued**275330.** *ERIANTHUS* sp.

Col. No. 1724. Mount Abu, India.

275331. *ERIANTHUS* sp.

Col. No. 1814. Streambank three miles northeast of Igatpuri, India. Plants to 2 feet high.

275332. *EULALIA* sp. Poaceae.

Col. No. 1721. Haystack, Mount Abu, India.

275333. *EULALIA* sp.

Col. No. 1728. West side Abu Mountains, India.

275334. *FAGOPYRUM TATARICUM* (L.) Gaertn. Polygonaceae.
Kangra buckwheat.

Col. No. 570. Pakistan.

275335. *FESTUCA ELATIOR* L. Poaceae. **Meadow fescue.**

Col. No. 363. Ditchbank, 4 miles north of Ghazni, Afghanistan. Heavily grazed.

275336. *FESTUCA* sp.

Col. No. 382. Near top of pass, 64 miles west of turnoff, Bamian, Afghanistan. Perennial bunchgrass.

275337. *HETEROPOGON CONTORTUS* (L.) Beauv. ex Roem. & Schult.
Poaceae.

Col. No. 1553. Three miles from Mahableshwar, road to Panchgani, India. Plant to 2.5 feet high.

275338. *HETEROPOGON* sp.

Col. No. 1571. Third tableland east of Panchgani, India. Plant to 2.5 feet; glumes hairy.

275339. *HIBISCUS CANNABINUS* L. Malvaceae. **Kenaf.**

Col. No. 508. 'Part-sun'. Pakistan.

275340 and 275341. *HORDEUM VULGARE* L. Poaceae.**275340.** Col. No. 148. On plateau, 190 miles from Gurgan, Iran. Plants short.**275341.** Col. No. 274. Afghanistan.**275342.** *HYPARRHENIA* sp. Poaceae.

Col. No. 2012. Fourteen and one-half miles southwest of Jimma, Ethiopia. Plants to 10 feet high.

275343. *INDIGOFERA ENDECAPHYLLA* Jacq. Fabaceae.

Col. No. 1987. Ten miles west of Jimma, Ethiopia. Suffrutescent herb to 3 feet high, erect, branching; pods many.

275344. *ISCHAEMUM* sp. Poaceae.

Col. No. 1110. Wooded foothills, high rainfall area, 30 miles below Dalhousie, India. Small bunchgrass; spikes with ornamental glumes.

275345. *ISCHAEMUM* sp.

Col. No. 1146. India. Plants to 2 feet high; glumes ornamental; rachis joined.

275346. *MANISURIS FORFICULATA* C.E.C. Fischer Poaceae.

Col. No. 1560. Three and one-half miles from Mahableshwar, road to Panchgani, India. Annual grass to 6 inches high.

275303 to 275382—Continued

275347. *ISCHAEMUM* sp. Poaceae.

Col. No. 1598. In paddy between Khandela and Lonauli, India.

275348. *ISCHAEMUM* sp.

Col. No. 1774. Moist spot in dry streambed, 100 yards above water supply lake, Igatpuri, India. Plants to 5 feet high, branching, decumbent.

275349. *MANISURIS* sp. Poaceae.

Col. No. 1106. India. Plant to 8 feet high.

275350. *MEDICAGO COERULEA* Less. Fabaceae.

Col. No. 195. Twelve miles northwest of Kabul, Afghanistan.

275351 and 275352. *PENNISETUM SPICATUM* (L.) Willd. Poaceae.

Pearl millet.

275351. Col. No. 451. 'Bad-Gera'. Pakistan.

275352. Col. No. 2119. Grain market, Asmara, Ethiopia.

275353. *PENNISETUM* sp.

Col. No. 332. Dunes 40 miles west of Kandahar, Afghanistan.

275354. *PENNISETUM* sp.

Col. No. 1550. Thirty miles southeast of Poona, India. Plant to 4 feet high, rhizomatous.

275355. *PSORALEA* sp. Fabaceae.

Col. No. 1545. Outskirts of Poona, India. Plant erect, to 3 feet high, suffrutescent; leaves entire, to 4 inches across.

275356 and 275357. *SECALE CEREALE* L. Poaceae.

Rye.

275356. Col. No. 221. Wheat field 3 miles south of Paghman, Afghanistan.

275357. Col. No. 225. Paghman, Afghanistan.

275358 to 275361. *SESAMUM INDICUM* L. Pedaliaceae.

Sesame.

275358. Col. No. 1059. Edge of Kashmir Valley, 38 miles northwest of Srinagar, India.

275359. Col. No. 1097. Six miles from Pathankot, road to Dalhousie, India.

275360. Col. No. 1132. India.

275361. Col. No. 1396. Kota Experiment Garden, India.

275362 and 275363. *SESAMUM RADIATUM* Schum.

275362. Col. No. 1098. India.

275363. Col. No. 1536. Near Palam Airfield, New Delhi, India.

275364. *SORGHUM HALEPENSE* (L.) Pers. Poaceae.

Johnsongrass.

Col. No. 1091. India.

275365. *SORGHUM BICOLOR* (L.) Moench

Col. No. 419. 'Je-Gar'. Hangu bazaar, India.

275366. *SORGHUM* sp.

Col. No. 1206. Fourteen miles west of Mandi, Pakistan.

275367. *STIPA* sp. Poaceae.

Col. No. 157. Moorlands, 32 miles southeast of Herat, road to Kandahar, Afghanistan. Elevation 5,000 feet.

275303 to 275382—Continued

275368 and 275369. *STIPA SPLENDENS* Trin.

275368. Col. No. 796. Edge of field, 30 miles above Gupis, Pakistan. Bunchgrass to 6 feet high.

275369. Col. No. 822. Pakistan. Tall bunchgrass.

275370. *STIZOLOBIUM DEERINGIANUM* Bort. Fabaceae. **Deering velvetbean.**

Col. No. 1423. India; originally from Australia.

275371. *STIZOLOBIUM* sp.

Col. No. 1420. India; originally from Australia.

275372. *TEPHROSIA PURPUREA* (L.) Pers. Fabaceae.

Col. No. 1333. India. Bushy perennial to 3 feet high; used as green manure and fodder.

275373. *THEMEDA* sp. Poaceae.

Col. No. 1541. Poona, India.

275374. *THEMEDA* sp.

Col. No. 1546. Ten miles southeast of Poona, India.

275375. *THEMEDA* sp.

Col. No. 1561. Three and one-half miles from Mahabaleshwar, road to Panchgani, India.

275376. *THEMEDA* sp.

Col. No. 1573. Third tableland east of Panchgani, India. Plants to 6 feet high, stemmy.

275377. *THEMEDA* sp.

Col. No. 1620. Ten miles west of Poona, India. Plants to 6 feet high.

275378. *THEMEDA* sp.

Col. No. 1722. Mount Abu, India.

275379. *THEMEDA* sp.

Col. No. 1776. Five hundred feet above water supply lake, Igatpuri, India. Plant erect, stemmy, to 5 feet high.

275380. *TRIGONELLA* sp. Fabaceae.

Col. No. 1315. India. Plant bushy, to 2.5 feet high.

275381. *VETIVERIA ZIZANIOIDES* (L.) Nash Poaceae.

Col. No. 1307. Flat plains roadside, 80 miles south of New Delhi, India.

275382. *VICIA ERVILIA* (L.) Willd. Fabaceae.

Col. No. 199. Paghman, 20 miles northwest of Kabul, Afghanistan.

275383 and 275384.

From the United States. Plants growing at the Louisiana State University Idlewild Farm, Baton Rouge, Louisiana. Numbered June 20, 1961.

275383. *PRUNUS* (hybrid). Amygdalaceae. **Common plum.**

No. L-61-102. Collected in Dr. J. Roussel's yard, near Simmesport. Possible hybrid resembling *P. munsoniana* in many plant characteristics; fruit almost round, 1.5 inch in diameter, resembles *P. salicina*; skin red with orange dots; flesh orange. Fruit excellent as regards pulp solidity and aroma.

275384. *PYRUS COMMUNIS* L. Malaceae.

No. L-61-101. Collected on Palmer family property, near Walker. Planted 1898, closely resembles 'Leconte', but not 'Leconte' of Bailey or Hedrick. Fruit pyriform, slightly necked, to 5 inches long; skin yellow when ripe; flesh soft; stone cells few; no aroma; quality fair; resembling 'Baldwin'.

275385 to 275404.

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 19, 1961.

275385. *ARDISIA JAPONICA* (Thunb.) Blume Myrsinaceae.

Col. No. 937. Oceanside above Ayukawa, Miyagi Prefecture. Evergreen ground cover; flowers white, fruit red.

275386 and 275387. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**

275386. Col. No. 952. Nijama, a small town near Ayukawa, Miyagi Prefecture. Flowers single, red, blooming in January and February.

275387. Col. No. 953. Seacliff, Ayukawa, Miyagi Prefecture. Evergreen shrub dwarfed by environment.

275388. *CHLORANTHUS JAPONICUS* Siebold Chloranthaceae.

Col. No. 944. Kinka-zan Island, Miyagi Prefecture. Herb to 6 inches high; flowers white, in terminal spike.

275389. *CHLORANTHUS SERRATUS* (Thunb.) Roem. & Schult.

Col. No. 945. Kinka-zan Island, Miyagi Prefecture. Herb, flowers borne on a pair of racemes.

275390. *DRYOPTERIS SAXIFRAGA* H. Ito Polypodiaceae.

Col. No. 955. Kinka-zan, Miyagi Prefecture. Elevation 1,300 feet. Evergreen terrestrial fern.

275391. *EURYA JAPONICA* Thunb. Theaceae.

Col. No. 950. Evergreen forest, Kiyosaki, Ayukawa, Miyagi Prefecture. Evergreen shrub; leaves alternate, serrate; flowers small, white; fruit black.

275392. *HEMEROCALLIS LONGITUBA* Miq. Liliaceae.

Col. No. 936. Roadside between Ishonomate and Ayukawa, Miyagi Prefecture. An early-flowering orange-colored species with narrow petals.

275393. *HOSTA* sp. Liliaceae.

Col. No. 938. Forest preserve, ocean above Ayukawa, Miyagi Prefecture. Leaves lanceolate.

275394. *HOSTA* sp.

Col. No. 939. Forest preserve, ocean above Ayukawa, Miyagi Prefecture. Plant spiny; leaves broad, ovate.

275395. *ILEX INTEGRATA* Thunb. Aquifoliaceae. **Japanese holly.**

Col. No. 951. Evergreen forest, Kiyosaki, Ayukawa, Miyagi Prefecture. Evergreen holly; leaves dark green, finely toothed; fruit red.

275396. *LEUCOTHOE GRAYANA* Maxim. Ericaceae.

Col. No. 942. Low elevation, shady conifer forest, Kinka-zan, Miyagi Prefecture. Plant deciduous; leaves hairy, light green; stems reddish; flowers white, in racemes.

275397 and 275398. *PAEONIA JAPONICA* Miyabe & Takeda Ranunculaceae.

275397. Col. No. 946. Shady places Kinka-zan Island, Miyagi Prefecture. Herb; flowers small, pink.

275398. Col. No. 946. Shady places, Kinka-zan Island, Miyagi Prefecture. Herb; flowers small, white.

275399. *PITTIOSPORUM TOBIRA* (Willd.) Ait. Pittosporaceae. **Tobira.**

Col. No. 949. Natural evergreen forest, Kiyosaki, Ayukawa, Miyagi Prefecture. Evergreen shrub; leaves round, flowers white.

275385 to 275404—Continued

275400. *PONCIRUS TRIFOLIATA* (L.) Raf. Rutaceae. **Hardy orange.**

Col. No. 954. Ayukawa, Miyagi Prefecture. Leaves trifoliate; stems angular, twisted; spines heavy.

275401. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae.

Japanese azalea.

Col. No. 941. Kinka-zan Island, Miyagi Prefecture. Elevation 650 feet. Plant deciduous; flowers orange colored.

275402 and 275403. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.)

Wilson

Torch azalea.

275402. Col. No. 940. Kinka-zan Island, Miyagi Prefecture.

275403. Col. No. 947. Highest point of Kinka-zan, Miyagi Prefecture. Elevation 1,450 feet. Flowers brick red.

275404. *TUMION NUCIFERUM* (L.) Greene Taxaceae. **Japanese torreyia.**

Col. No. 948. Kinka-zan Island, Miyagi Prefecture. Trees to 50 feet high.

275405. *NOTOXYLINON AUSTRALE* (Muell.) Lewton Malvaceae.

From the Sudan. Seeds presented by the Cotton Breeding Section, Ministry of Agriculture, Khartoum. Received June 20, 1961.

275406. *BISERRULA PELECINUS* L. Fabaceae.

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received June 20, 1961.

Sandy acid soil from granitic decomposition, Finca 'Cuarto Carretero', ('Four Corners' Farm), Sierra de Gradarrama.

275407 to 275409.

From Israel. Seeds presented by the Ministry of Agriculture, Division of Plant Protection, Nve-Yaar. Received June 20, 1961.

275407. *TAMARIX GALLICA* L. Tamariaceae.

French tamarix.

275408. *TAMARIX TETRAGYNA* Ehrenb.

275409. *TAMARIX* sp.

275410 to 275412. *CUCUMIS SATIVUS* L. Cucurbitaceae.

Cucumber.

From the Netherlands. Seeds presented by the Institute of Horticultural Plant Breeding, Wageningen. Received June 20, 1961.

275410. No. 61038. 'Eminent Broei'. Forcing variety.

275411. No. 61039. 'Lange Groene Broei'. Forcing variety.

275412. No. 61040. 'Hollandse Lange Groene Vollegrond'. Garden variety.

275413 to 275414. *HIBISCUS SABDARIFFA* L. Malvaceae. **Roselle.**

From the Republic of Senegal. Seeds presented by the Centre de Recherches Agronomiques, Bambey. Received June 20, 1961.

275413. 'Blanc'.

275414. 'Rouge'.

275415. *GOSSYPIUM* sp. Malvaceae.

From Brazil. Seeds presented by the Instituto Agronomico, Rio de Janeiro. Received June 20, 1961.

'Crioulo'. Seed collected in a yard, Lagoa da Prata, Minas Gerais. Perennial, resistant to drought; poor yielder; susceptible to mites and pink boll borer.

275416 to 275420.

From Bolivia. Seeds presented by the Servicio Agrícola Inter-Americano, Ministerio de Agricultura, La Paz. Received June 20, 1961.

275416. *GOSSYPIUM* sp. Malvaceae.

Porvenir, Chocala, Province Sud Yungas, Dept. de La Paz. Elevation 1,400 meters. Fiber white; seeds loose.

275417. *GOSSYPIUM* sp.

Milluhaya, Province Nor Yungas, Dept. de La Paz. Elevation 1,400 meters. Fiber white; seeds loose.

275418. *GOSSYPIUM* sp.

Caranavi, Santa Fe, Province Nor Yungas, Dept. de La Paz. Elevation 600 meters. Fiber white; seeds loose.

275419. *GOSSYPIUM* sp.

Caranavi, Santa Fe, Province Nor Yungas, Dept. de La Paz. Elevation 600 meters. Fiber white; seeds clustered.

275420. *GOSSYPIUM* sp.

Caranavi, Santa Fe, Province Nor Yungas, Dept. de La Paz. Elevation 600 meters. Fiber yellow; seeds clustered.

275421 to 275437. *ORYZA SATIVA* L. Poaceae. **Rice.**

From China. Seeds presented by the Agricultural Research Institute, Taipei, Taiwan. Received June 20, 1961.

- | | |
|--------------------------------------|---------------------------------------|
| 275421. 'Bir-me-fen'. | 275430. 'Taichung 178'. |
| 275422. C 113. | 275431. 'Taichung 179'. |
| 275423. 'Chia-nung 242'. | 275432. 'Taichung 181'. |
| 275424. 'Chia-nung-yu 280'. | 275433. 'Taichung 182'. |
| 275425. 'Hsinchu 56'. | 275434. 'Taichung 183'. |
| 275426. 'Kaohsiung 68'. | 275435. 'Taichung Line 48212'. |
| 275427. 'Kaohsiung Line 122'. | 275436. 'Taichung Line 47220'. |
| 275428. 'Taichung 65'. | 275437. 'Tsai-yuan-thon'. |
| 275429. 'Taichung 176'. | |

275438 to 275440. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Thailand. Seeds presented by the Central Experiment Station, Bangkok. Received June 20, 1961.

- 275438.** 'Leuang 28-1-8'. Sown June-July; flowers Oct. 27; harvested Nov. 27.
- 275439.** 'Leuang Awn 23'. Sown June-July; flowers Nov. 11; harvested Dec. 11.
- 275440.** 'Leuang Yai 34'. Sown June-July; flowers Nov. 1; harvested Dec. 1.

275441 to 275446. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Italy. Seeds presented by the Stazione Sperimentale di Riscicoltura, Vercelli. Received June 20, 1961.

- 275441.** No. 5. 'Trionfo Fassone'.
- 275442.** No. 24. 'Trionfo Fassone'.
- 275443.** No. V. 266. 'Balilla' × 'R. Bersani'.
- 275444.** No. V. 271. 'Rizzotto' × 'R. Bersani'.
- 275445.** No. V. 638. (P. 6 × 'Blue Rose') × P. 6.
- 275446.** No. V. 640. 'Agostano' × (P. 6 × 'Blue Rose').

275447 to 275450. ORYZA SATIVA L. Poaceae. Rice.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Agropecuaria, Concepcion del Uruguay. Received June 20, 1961.

275447. 'Chacarero'.

275449. 'Precosur'.

275448. 'Fortuna'.

275450. 'Victoria Tardio'.

275451. ORYZA SATIVA L. Poaceae. Rice.

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received June 20, 1961.

No. H-4. 'Paddy'.

275452 and 275453. ORYZA SATIVA L. Poaceae. Rice.

From British Guiana. Seeds presented by the Plant Pathology Division, Department of Agriculture, Georgetown. Received June 20, 1961.

275452. No. 44.

275453. No. 47.

275454. PRUNUS LANNESIANA var. SPECIOSA (Koidz.) Nakai Amygdalaceae.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 21, 1961.

Col. No. 943. Kinka-zan lighthouse, edge of sea cliff, Miyagi Prefecture. A rare species said to be restricted to Izu Peninsula. Widely cultivated for firewood.

275455 to 275461.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 22, 1961.

275455. AGROPYRON CILIARE (Trin.) Franch. Poaceae.

No. 22626. 'Minus'. From Misima, Sizuoka Prefecture, Japan.

275456. AGROPYRON ENYSII T. Kirk

No. 20588. From Christchurch, New Zealand.

275457. AGROPYRON MAYEBARANUM Honda

No. 22627. From Misima, Sizuoka Prefecture, Japan.

275458. AGROPYRON PECTINIFORME Roem. & Schult.

No. 24095. From Crimea, U.S.S.R.

275459. AGROPYRON SIBIRICUM (Willd.) Beauv. **Siberian wheatgrass.**

No. 7669. From Ontario, Canada.

275460. AGROPYRON TENERUM Vasey **Slender wheatgrass.**

No. 22749. From Greifswald, Germany.

275461. AGROPYRON TSUKUSHIENSE (Honda) Ohwi

No. 22628. Transiens. From Misima, Sizuoka, Prefecture, Japan.

275462 to 275472.

From the Republic of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newlands. Received June 22, 1961.

275462. LEUCADENDRON ARGENTEUM (L.) R. Br. Proteaceae.

275463. LEUCADENDRON sp.

275462 to 275472—Continued

275464. *LEUCOSPERMUM CATHERINAE* Compton Proteaceae.
 275465. *NIVENIA SPICATA* R. Br. Proteaceae.
 275466. *PARANOMUS REFLEXUS* (Phil. & Hutch.) Fourc. Proteaceae.
 275467. *PROTEA AMPLEXICAULIS* (Salisb.) R. Br. Proteaceae.
 275468. *PROTEA CYNAROIDES* L.
 275469. *PROTEA GRANDIFLORA* Thunb.
 275470. *SERRURIA ARTEMISIIFOLIA* Knight Proteaceae.
 275471. *SERRURIA FLORIDA* (Thunb.) Knight
 275472. *STRELITZIA PARVIFOLIA* Dryand. Musaceae.
 'Juncea'.

275473 to 275489.

From the Republic of South Africa. Seeds presented by the Victoria Wild Flower Park, Victoria West. Received June 22, 1961.

275473. *ERICA ABIETINA* L. Ericaceae.
 'Mealie Heath'.
275474. *ERICA BACCANS* L.
 275475 and 275476. *ERICA BOWIEANA* Lodd.
 275475. Flowers pink.
 275476. Flowers white.
275477. *ERICA PEZIZA* Lodd.
 White woolly.
275478. *ERICA REGIA* Bartl.
 'Elim Heath'.
275479. *ERICA VERSICOLOR* Andr.
 275480. *ERICA* sp.
275481. *GLADIOLUS GRANDIS* Thunb. Iridaceae.
 'Bruin Afrikaner'.
275482. *GLADIOLUS TRISTIS* L.
 275483. *TEPHROSIA GRANDIFLORA* (Ait.) Pers. Fabaceae.
 275484. *WATSONIA ALETROIDES* Ker-Gawl. Iridaceae.
 Flowers pink.
275485. *WATSONIA MARGINATA* (Thunb.) Ker.
 Plant tall; flowers bell shape, mauve, pink.
- 275486 and 275487. *WATSONIA PYRAMIDATA* (Andrews) Klatt.
 275486. No. 1.
 275487. No. 2. 'Rosea'. Spikes twisted; flower rose pink.
275488. *WATSONIA VERSFELDIAE* Mathews & L. Bolus
 275489. *WATSONIA* sp.
 Flowers pure white.

275490 to 275493.

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 23, 1961.

275490. *DIMORPHOTHECA PLUVIALIS* (L.) Moench Asteraceae.

Col. No. 18644. Pakhuis, Clanwilliam District, Cape Province. Low spreading annual growing in wild; flower rays white, disk purple.

275491. *DIMORPHOTHECA SINUATA* DC. **Blue-eyed cape-marigold.**

Col. No. 18612. National Botanic Gardens, Pretoria. Cultivated annual.

275492. *OSTEOSPERMUM MURICATUM* E. Mey. Asteraceae.

Col. No. 18613. Pretoria. Wild perennial roadside weed; flowers in small heads, rays yellow.

275493. *OSTEOSPERMUM SCARIOSUM* DC.

Col. No. 18614. Pretoria. Wild erect, branching biennial or perennial, to three dm. high; crown small.

275494 to 275496.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 23, 1961.

275494. *DAMNACANTHUS INDICUS* Gaertn. f. Rubiaceae.

Col. No. 935. Shady, evergreen forest, Kashirma Shrine, Ibaraki Prefecture. Small, spiny, evergreen shrub; flowers white, tubular; fruit red, usually paired.

275495. *ELAEAGNUS GLABRA* Thunb. Elaeagnaceae.

Col. No. 933. Evergreen forest, Mount Tsukuba, Ibaraki Prefecture. Elevation 500 meters. Evergreen vine or scandant shrub; fruit fleshy, orange colored.

275496. *FATSIA JAPONICA* (Thunb.) Descaisne & Planch. Araliaceae.

Col. No. 934. Roadside, Taira City, Ibaraki Prefecture. Evergreen shrub; leaves deeply cleft. Seeds from northern limit.

275497 to 275500. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Korea. Seeds presented by the Agricultural Experiment Station, Suwon. Received June 23, 1961.

275497. 'Chungju'. Erect type.

275498. 'Jinju'. Runner type.

275499. 'Sasa'. Runner type.

275500. 'Taeduk'. Erect type.

275501 to 275536.

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 26, 1961.

275501. *ALLIUM INUTILE* Makino Liliaceae.

Col. No. 968. In sand, along rocky seacoast, Kesennouma City, Miyagi Prefecture. Plants small; flowers purple, on stalks about 10 inches high.

275502. *ARDISIA JAPONICA* (Thunb.) Blume Myrsinaceae.

Col. No. 958. Tsubakijima, a small island near Shizukawa, Miyagi Prefecture. Evergreen ground cover under small, shrubby camellias.

275501 to 275536—Continued

275526. *LILIUM AURATUM* Lindl. Liliaceae. **Goldband lily.**

Col. No. 960. Heavy soil on Tsubakijima, a small island near Shizukawa City, Miyagi Prefecture. Flowers white, with yellow markings.

275527 and 275528. *LILIUM MACULATUM* Thunb.

275527. Col. No. 961. On coastal rocks, Tsubakijima, a small island near Shizukawa City, Miyagi Prefecture. Flowers orange.

275528. Col. No. 986. On rocky slopes of Sangan Island, Iwate Prefecture. Plant small; flowers orange spotted.

275529. *MACHILUS THUNBERGII* Sieb. & Zucc. Lauraceae.

Col. No. 957. Tsubakijima, a small island near Shizukawa, Miyagi Prefecture. Evergreen tree to 40 feet high; leaves narrow.

275530. *OPHIOPOGON JAPONICUS* (L.f.) Ker. Liliaceae.

Japanese snakeboard.

Col. No. 959. Shady forest, Tsubakijima, a small island near Shizukawa City, Miyagi Prefecture. Grasslike groundcover; leaves about 6 inches long.

275531. *PONCIRUS TRIFOLIATA* (L.) Raf. Rutaceae. **Hardy orange.**

Col. No. 965. Farmyard near Shizukawa, Miyagi Prefecture. Leaves trifoliate; spines heavy. This is about as far north as it grows on the Pacific side of Japan.

275532. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae.

Japanese azalea.

Col. No. 974. Top of mountain near Goyo Peak, Kamaishi, Iwate Prefecture. Elevation 3,900 feet. Flowers orange red, mid-June.

275533 to 275535. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.)

Wilson

Torch azalea.

275533. Col. No. 973. Top of mountain near Goyo Peak, Kamaishi, Iwate Prefecture. Elevation 3,900 feet. Flowers small, dark red with heavy blotch, in bloom mid-June.

275534. Col. No. 978. Foot of Mount Hayachine, Iwate Prefecture. Elevation 2,950 feet. Leaves hairy; flowers early June.

275535. Col. No. 984. Along limestone cliffs, Akka, Iwate Prefecture. Elevation 980 feet. Flowers red.

275536. *VITIS COIGNETIAE* Pulliat ex Planch. Vitaceae. **Gloryvine grape.**

Col. No. 983. Along limestone cliffs near Akka, Iwate Prefecture. Elevation 980 feet. Ornamental vine; leaves large, usually three lobed, turning reddish in autumn.

275537. *BOUGAINVILLEA SPECTABILIS* Willd. Nyctaginaceae.

Great bougainvillea.

From Australia. Plants presented by the Botanic Gardens, Brisbane, Queensland. Received June 27, 1961.

'Thomasii'.

275538 to 275545. *ORYZA SATIVA* L. Poaceae.

Rice.

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received June 27, 1961.

275538. F.A.O. No. 9352. 'Piece 56'.

275539. F.A.O. No. 9353. 'Ali Combo'.

275540. F.A.O. No. 9354. 'Makalioka No. 34'.

275538 to 275545—Continued

275541. F.A.O. No. 9355. 'Makalioka No. 823'.
 275542. F.A.O. No. 9356. 'Vany Lava No. 1302'.
 275543. F.A.O. No. 9357. 'Vany Lava No. 1303'.
 275544. F.A.O. No. 9358. 'Vany Lava Marovoay 47'.
 275545. F.A.O. No. 9359. 'Vany Lava 16'.

275546 to 275549.

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 27, 1961.

275546. IXIA sp. Iridaceae.

Col. No. 18650. Sandstone rocks, Lakenburg, Calvinia District, Cape Province. Herb with showy flower spike.

275547. RESTIO GIGANTEUS N.E. Br. Restionaceae.

Col. No. 18873. Moist mountain slope, Garcia Pass, Riversdale District, Cape Province. Plant to 1.5 meters high.

275548. (Undetermined.)

Col. No. 18709. Foot of Chapman's Peak, Cape Point road, Cape Province. Diffusely spreading annual; flowers large, rays yellow.

275549. (Undetermined.)

Col. No. 18756. Twenty km. northeast of Worcester, Cape Province. Elevation 765 meters. Perennial to 30 cm. high; leaves deltoid, margin reddish brown; flowers white.

275550 to 275563.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered June 27, 1961.

275550. AGAVE LECHEGUILLA Torr. Amaryllidaceae.

Col. No. 5185. Between Ciudad Victoria and Jaumave, Tamaulipas. Plant acaulescent; leaves to 40 cm. long, yellow green; inflorescence to 3.5 meters high.

275551. AGAVE MESCAL Koch

Col. No. 51151. 'Maguey Bruto'. Michoacan, 1.5 meters south of Tzintzuntzan, road to Patzcuaro. Plant acaulescent; leaves to 1.5 meters long, 30 cm. wide, blue green, red margined in young plants; inflorescence to 5 meters high.

275552. AGAVE NELSONII Trelease

Col. No. 11166. San Fernando, Baja California. Collected 1951.

275553. AGAVE SHAWII Engelm.

Col. No. 11184. Socorro, Baja California. Collected 1951.

275554. AGAVE SOBRIA T.S. Brandege

Col. No. 11882. Comondu, Baja California. Collected 1952.

275555 to 275558. AGAVE VILMORINIANA Berger

275555. Col. No. 16611. Rio Yaqui, 44 km. northwest of Shauaripa Sonora. Collected 1957.

275556. Col. No. 16613. 'Amole'. Volcanic soil, between Bacanora and Gustara, Sonora. Collected 1957.

275550 to 275563—Continued**275555 to 275558—Continued**

275557. Col. No. 16623. 'Amole'. Twenty-five km. south of Bacanora, Sonora. Elevation 765 meters. Collected 1957.

275558. Col. No. 16552. Volcanic cliffs, Rio Mayo near San Bernardo, Sonora. Plant a single rosette; leaves pliant, unarmed. Collected 1957.

275559. AGAVE YAQUIANA Trel.

Col. No. 17747. Bahai San Carlos. Collected 1959.

275560. AGAVE sp.

Col. No. 11598. Barbara Aqua Blanco, Sonora. Collected 1952.

275561. AGAVE sp.

Col. No. 16603. 'Ojahui'. Sierra de Matape, Sonora. Collected 1957.

275562. MANFREDA sp. Amaryllidaceae.

Col. No. 5127. Hills east of Ixtapaluca. Acaulescent herb; leaves radial, linear; inflorescence a scape to 1.5 meters high.

275563. MANFREDA sp.

Col. No. 51158. 'Magueycilla'. Roadside between Jalapa and Ciudad Veracruz. Stem to one meter; leaves yellow-green, 1.8 meters long; inflorescence to five meters high.

275564 to 275624.

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 27, 1961.

275564. ARISTIDA AMABILIS Schweickerdt Poaceae.

Col. No. 19210. Kalihari sand, Witsands, Hay District, Cape Province. Coarse, caney, xerophyte growing only on, and capturing, dunes.

275565. ARISTIDA NAMAQUENSIS (Nees) Trin. & Rupr.

Col. No. 19211. Kalihari sand, southeast end of Langeberg Mountain, Hay District, C.P. Coarse caney perennial growing on dunes and sandy bottomland.

275566. ARISTIDA UNIPLUMIS Roem. & Schult.

Col. No. 19201. Kalihari sand, 20 miles southeast of Olifantshoek, Postmasburg District, C.P.

275567. ASPARAGUS LARICINUS Burchell Convallariaceae.

Col. No. 19197. Red Kalihari sand, 20 miles northwest of Olifantshoek, Kuruman District, C.P. Elevation 3,800 feet. Erect shrub to 6 feet high.

275568. ASPARAGUS sp.

Col. No. 19213. Kalihari sand, 26 miles south of Olifantshoek, Hay District, Cape Province. Low perennial.

275569. BOSCIA ALBITRUNKA (Burch) Gilg. & Bened. Cappariaceae.

Col. No. 19200. Kalihari sand, 12 miles southwest of Olifantshoek, Kuruman District, C.P. Shrub or spreading tree, much browsed by cattle.

275570. CUCUMIS AFRICANUS L. f. Cucurbitaceae.

Col. No. 968. Among boulders, on dolomitic soil, 26 miles north of Modderfontien, Prieska District, C.P. Sprawling herb; flowers yellow.

275564 to 275624—Continued

275571 and 275572. CUCUMIS HOOKERI Naud.

275571. Col. No. 967. Disturbed soil, along road, 26 miles north of Modderfontien, Prieska District, C.P. Sprawling herb; flowers yellow; mature fruits covered with stiff spines.

275572. Col. No. 19191. Between Deben and Dingle, Kuruman District, C.P. Elevation 3,500 ft. Annual ground vine; fruits prickly, edible, 9 striate.

275573. CYAMOPSIS sp. Fabaceae.

Col. No. 19215. Kalihari sand, 38 miles northwest of Olifantshoek, Postmasburg District, C.P. Annual, procumbent herb.

275574. OLEA AFRICANA Mill. Oleaceae.

Col. No. 19185. Dolomitic limestone, Blikfontein, Barkly West District, C.P. Elevation 4,000 ft. Round-topped, spreading tree, with one to several trunks; foliage dense.

275575 and 275576. SESAMUM CAPENSE Burm. f. Pedaliaceae.

275575. Col. No. 982. Along stream in coarse sandy soil, 16 miles north of Swartkop Post Office, Verneuk Pan, Kenhardt District, C.P. Erect desert annual to 2 feet high; flowers lavender.

275576. Col. No. 19209. Kalihari Sand near Witsands Hay District, Cape Province. Turgescient summer annual; stems slender, to 6 feet high.

275577. TETRAGONIA ARBUSCULA Fenzl ex Harvey & Sond. Aizoaceae.

Col. No. 19208. Kalihari sands, 26 miles south of Olifantshoek, Hay District, C.P. Bushy, herbaceous perennial to three feet high; branchlets succulent. A good sheep forage plant.

275578. AMMOCHARIS CORANICA Herb. Amaryllidaceae.

Col. No. 19205. Kalihari sand, 40 miles southwest of Olifantshoek, Postmasburg District, C.P. Leaves large, dark green.

275579. ANAPALINA sp. Iridaceae.

Col. No. 952. Rocky crevice near Storm River bridge, between Knysna and Humansdorp, Humansdorp District, C.P. Bulbous perennial; flowers brilliant red.

275580. ARISTEA sp. Iridaceae.

Col. No. 19125. Recently burned, moist mountain slope, Outeniquas Pass, George District, C.P. Elevation 2,000 feet. Plant rosette; leaves few; flowers spikes to 5 feet high.

275581. BERZELIA INTERMEDIA Schlecht. Bruniaceae.

Col. No. 18778. Fairy Glenn, 8 miles northeast of Worcester, C.P. Perennial to 6 feet high.

275582. BERZELIA sp.

Col. No. 18687. Sandy bottomland between Malmesbury and Darling, C.P. Plant to 3 feet high, base branching; stems slender; rachis with large pink glands; flowers white.

275583. BERZELIA sp.

Col. No. 19128. Outeniquas Pass, George District, Cape Province. Dense Bushy perennial; flowers in crown, dense, white.

275584. BOBARTIA GLADIATA Ker-Gawl. Iridaceae.

Col. No. 19031. Kleinfontein, Clanwilliam District, C.P. Elevation 3,000 feet. Bulbous perennial; stems long, slender; flowers yellow.

275564 to 275624—Continued

275585. *BROMUS* sp. Poaceae.

Col. No. 990. Near Cathedral Peak Forest Station, Bergville District, Natal. Elevation 8,000 feet. Perennial; leaves large, tender; culms to 4.6 feet high.

275586. *BRUNIA NODIFLORA* Linn. Bruniaceae.

Col. No. 18800. Near sea, Kleinmond, Caledon District, C.P. Plant upright, green, to 6.5 feet high.

275587. *BULBINE ABYSSINICA* A. Rich. Liliaceae.

Col. No. 18898. Karoo plain vegetation, 21 miles west of Cookhouse, Somerset East District, C.P. Tufted perennial to 14 inches high; roots and leaves succulent; flowers yellow; filaments fuzzy.

275588. *BULBINELLA ROBUSTA* Kunth Liliaceae.

Col. No. 18657. 'Aurea'. Silty bottomland, Nieuwoudtville. Winter-spring bulbous ornamental; flowers yellow.

275589. *CLIVIA NOBILIS* Lindl. Amaryllidaceae.

Col. No. 18738. Grahamstown, Eastern Cape Province. Plant bulbous.

275590. *COMMIPHORA* sp. Balsamaceae.

Col. No. 19168A. 'Corkwood'. Transvaal. Tree small.

275591. *CROTON GRATISSIMUS* Burch. Euphorbiaceae.

Col. No. 19194. Sandstone area, 18 miles northwest of Olifantshoek, Kuruman District, C.P. Elevation 3,800 feet. Spreading shrub; leaves bicolor, handsome.

275592. *DANTHONIA GLAUCA* Nees Poaceae.

Col. No. 19203. Kalihari sand, 38 miles southwest of Olifantshoek, Postmasburg District, Cape Province. Coarse, bushy xerophytic perennial; well grazed.

275593. *DROSANTHERUM SPECIOSUM* Schwantes Aizoaceae.

Col. No. 18816. Veld Reserve, Worcester, C.P. Elevation 2,000 feet. Flowers bright orange, brilliant.

275594. *EREMIA TOTTA* D. Don Ericaceae.

Col. No. 18788. Sandy valley, 8 miles southeast of Worcester, Brand Vlei, C.P. Bush small, dense.

275595. *ERICA CERINTHOIDES* Linn. Ericaceae.

Col. No. 18806. Dry, rocky, non-acidic soil, Eseljacht Pass, Caledon District, C.P. Elevation 10,000 feet. Attractive low bushlet; stems slender; flowers bright pink, pubescent.

275596. *EUCLEA* sp. Diospyraceae.

Col. No. 18641. Pakhuis Mountain, Clanwilliam District, C.P. Shrub to 5 feet high; foliage dense, green, attractive.

275597. *GLADIOLUS* sp. Iridaceae.

Col. No. 18658. Nieuwoudtville, C.P. Flowers reportedly white with red splotches.

275598. *GLADIOLUS* sp.

Col. No. 18815. Sandy slope, 20 miles west of Worcester, C.P. Elevation 2,400 feet. Plant small, cormous.

275599. *GLADIOLUS* sp.

Col. No. 18960. Maqui vegetation, Prince Alfred's Pass, Uniondale District, C.P. Elevation 2,000 feet. Plant cormous.

275564 to 275624—Continued

275600. *HELICHRYSUM* sp. Asteraceae.

Col. No. 18863. Seaward limestone slope, Agulhas Point, Bredasdorp District, C.P. Dense, gray, perennial to 16 inches high with crown of whitish straw flowers.

275601 and 275602. *HETEROLEPIS DECIPIENS* Cass. Asteraceae.

275601. Col. No. 18739. Karoo Gardens, Worcester, Cape Province. Annual.

275602. Col. No. 18776. Karoo Gardens, Worcester, C.P. Perennial; flowers large, showy.

275603. *HYPOCALYPTUS* sp. Fabaceae.

Col. No. 19136. Rocky limestone canyon, Sevenweekspoort, Ladysmith District, C.P. Slender shrub.

275604. *LESSERTIA MACROSTACHYA* DC. Fabaceae.

Col. No. 18651. Silty alluvium, Lakenberg, Calvinia District, C.P. Multistemmed perennial to 20 inches high; pods reddish brown. Used as ornamental and for sheep forage.

275605. *LEUCADENDRON AURANTIACUM* Buek. Proteaceae.

Col. No. 19104. Zwartzberg Pass, Prince Albert District, C.P. Elevation 5,000 feet. Ornamental shrub to 5 feet high; foliage grayish; "cones" ovoid, large.

275606. *LEUCADENDRON PLUMOSUM* R. Br.

Col. No. 19067. Sandy soil, foot of DuToits Kloof, Worcester, C.P. Elevation 1,000 feet. Attractive shrub to 6.5 feet high; "cones" large, showy, bicolored.

275607. *LEUCOSPERMUM NUTANS* R. Br. Proteaceae.

Col. No. 18803. Coarse sandy soil, Caledon District, C.P. Showy shrub to 6.5 feet high, spreading; flowers various colored, prolific.

275608. *OSTEOSPERMUM CLANDESTINUM* (Less.) T. Norl. Asteraceae.

Col. No. 18645. Pakhuis, Clanwilliam District, C.P. Erect annual to 16 inches high; crown spreading.

275609. *PARANOMUS* sp. Proteaceae.

Col. No. 19058. Rocky mountain slope above Napier, Bredasdorp District, C.P. Elevation 700 feet. Low, erect, herbaceous perennial. A gray appearing ornamental.

275610. *PENTASCHISTIS* sp. Poaceae.

Col. No. 991. Cathedral Peak Forestry Station, Bergville District, Natal. Elevation 8,000 feet. Dense-leaved perennial; leaves tough. Sod former on northern exposures.

275611. *PHAENOCOMA PROLIFERA* D. Don Asteraceae.

Col. No. 18804. Stony slope near sea, Kleinmond, Caledon District, Cape Province. Shrub to 30 inches high; leaves dark green; flowers bright pink to lavender.

275612. *PHYLICA* sp. Rhamnaceae.

Col. No. 18775. University grounds, Cape Town, Cape Province. Showy shrub; flowers pink.

275613. *PODOCARPUS FALCATUS* R. Br. Taxaceae.

Col. No. 18774. Kirstenbosch Botanic Gardens, Cape Town, Cape Province. Large, slow-growing, evergreen tree.

275564 to 275624—Continued

275614. *PROTEA NERIIFOLIA* R. Br. Proteaceae.

Col. No. 19129. Mountain slope, Karreedouw Pass, Humansdorp District, Cape Province. Elevation 1,000 feet. Spreading shrub to 6 feet high; floral bracts pink, attractive.

275615. *PSORALEA CAFFRA* E. & Z. Fabaceae.

Col. No. 18729. Burned-over slope, Du Toits Kloof, 20 miles west of Worcester, Cape Province. Bushy perennial to 40 inches high; flowers prolific.

275616. *PSORALEA* sp.

Col. No. 18877. Rocky slope, Garcia Pass, Riversdale District, Cape Province. Elevation 2,500 feet. Virgate perennial to 6 feet high; heads ornamental, globose.

275617. *RESTIO GIGANTEUS* N.E. Br. Restionaceae.

Col. No. 18873. Moist mountain slope, Garcia Pass, Riversdale District, Cape Province. Elevation 2,500 feet. Ornamental to 5 feet high.

275618. *RHIGOZUM OBOVATUM* Burch. Bignoniaceae.

Col. No. 18918. Rocky ground, vicinity of Cradock, Cape Province. Elevation 3,500 feet. Xerophytic shrub to five feet high; leaves small; flowers yellow, showy.

275619. *ROMULEA* sp. Iridaceae.

Col. No. 18714. Nieuwoudtville, Calvinia District, Cape Province. Ornamental.

275620. *SUTHERLANDIA FRUTESCENS* (L.) R. Br. Fabaceae.

Col. No. 18810. Limey sandstone soil, 10 miles northeast of Worcester, Cape Province. Elevation 2,000 feet. Erect perennial to 20 inches high; pods inflated, showy.

275621. *THAMNOCHORTUS ARGENTUS* Kunth Restionaceae.

Col. No. 18884. Maqui, Montagu Pass, George District, Cape Province. Elevation 3,000 feet. Reedlike perennial to 3 feet high; inflorescence silvery-gray.

275622 and 275623. *VELTHEIMIA VIRIDIFLORA* Jacq. Liliaceae.

275622. Col. No. 18712. Sandy meadow bottomland, 2 miles southeast of Darling, Cape Province. Flowers showy.

275623. Col. No. 18717. Rocky, sunny slope, Hex River Pass, 30 miles southeast of Worcester, Cape Province. Elevation 3,000 feet. Bulbous ornamental.

275624. *VIRGILIA DIVARICATA* Adamson Fabaceae.

Col. No. 18807. Betty's Bay, Caledon District, Cape Province. Spreading tree; leaves glossy, dark green; flowers purple, showy.

275625. *PHYLLITIS SCOLOPENDRIUM* (L.) Newman
Polypodiaceae.

From Great Britain. Plants presented by N. T. Hollerith, Surrey, England. Received June 29, 1961.

275626 to 275630.

From Iran and Pakistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 29, 1961. From Pakistan unless otherwise noted.

275626. *ALLIUM* sp. Liliaceae.

Col. No. 994. Dumont, in mountains, 16 km. west of Juglate.

275626 to 275630—Continued

275627. *BUXUS SEMPERVIRENS* L. Buxaceae. **Common box.**

Col. No. 130. On Caspian Coast, 3.5 km. west of Ramsar, Iran. Shrub to 2 meters high; foliage dense.

275628. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**

Col. No. 702. Nomal, 28 km. up Hunza River from Gilgit. Elevation 1,500 meters.

275629. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

Col. No. 703. Nomal.

275630. *MOMORDICA CHARANTIA* L. Cucurbitaceae. **Balsam-pear.**

Col. No. 518. 'Karey-La'. Mangora bazaar, Swat.

275631 to 275637.

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 29, 1961.

275631 and 275632. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**

275631. Col. No. 1348-A. Farm near Jodhpur.

275632. Col. No. 1350-A. Farm near Jodhpur.

275633. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**

Col. No. 1350. Farm near Jodhpur.

275634. *CUCUMIS* sp.

Col. No. 1328. Drought stricken field, 83 km. from Pali, road to Ajmer. Small wild vine; fruit to 6 cm. long, edible.

275635. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. **Loofah gourd.**

Col. No. 1348. Farm near Jodhpur. A ridge gourd.

275636. *PHASEOLUS CALCARATUS* Roxb. Fabaceae.

Col. No. 1422. Agronomy Division, Indian Agricultural Research Institute, Assam. Tropical legume.

275637. *BETA VULGARIS* L. Chenopodiaceae. **Common beet.**

Col. No. 1349. Farm near Jodhpur.

275638 to 275641.

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 29, 1961.

275638 to 275640. *PISUM SATIVUM* L. Fabaceae.

275638. Col. No. 1851. Harar market.

275639. Col. No. 2003. Socca market.

275640. Col. No. 2086. Auareh.

275641. *VICIA FABA* L. Fabaceae. **Broadbean.**

Col. No. 2003-A. Socca market.

275642 to 275645.

From the Republic of South Africa. Seeds collected by A. S. Barclay, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 29, 1961.

275642. DIMORPHOTHECA POLYPTERA DC. Asteraceae.

Col. No. 984. Sandy soil, disturbed roadside, Kalahari thorn veld, 3 miles south of Nickerkshope, Hay District, Cape Province. Prostrate to ascending annual or perennial herb; flowers yellow.

275643. OSTEOSPERMUM CAULESCENS Harv. Asteraceae.

Col. No. 965. Grassy roadside, and adjacent field, 2 miles east of Bapsfontein, Bronkhorstspuit District, Transvaal. Erect perennial herb; stems extending into peduncles which bear the flowers and fruit well above the plant body; ray florets white with purple striations on lower surface; disk florets yellow.

275644. OSTEOSPERMUM SINUATUM (DC.) T. Norl.

Col. No. 983. Sandy soil along water course, Verneuk Pan, 16.5 miles north of Swarthkop Post Office, Kenhardt District, C.P. Shrub low, much branched; flowers yellow.

275645. OSTEOSPERMUM THODEI Markotter

Col. No. 988. Gravelly soil, in semi-barren areas, on mountain side and ridge trail leading to Organ Pipes Pass, Cathedral Mountain, Bergville District, Natal. Elevation 8,000 feet. Shrub to 1.5 feet high; flowers yellow.

275646 to 275658.

From Colombia, Costa Rica, Guatemala and Panama. Seeds presented by Boll Weevil Research Laboratory, Starkville, Mississippi. Received June 29, 1961. Source as indicated.

275646. GOSSYPIUM BARBADENSE L. Malvaceae. Sea-island cotton.

C.B. 3436. 'Egyptian Cotton'. Dooryard plant, 15 to 18 years old, near Escuela Nacional de Agricultura in Villa Nueva, Guatemala, 1961.

275647. GOSSYPIUM sp.

C.B. 3437. Dooryard plant, about 10 years old, South edge of Teculután, Guatemala, 1961.

275648. GOSSYPIUM sp.

C.B. 3438. Obtained at a native hut north of Teculután, Guatemala, 1961.

275649. GOSSYPIUM sp.

C.B. 3439. Dooryard plant, to 9 feet high, west side of Inter-American Highway, 6 miles up river from Palmar Norte (Puntarenas), Costa Rica, 1961.

275650. GOSSYPIUM sp.

C.B. 3440. Dooryard plant, to 9 feet high, at Indian Hut, about 2 miles southeast of Palmar Sur (Puntarenas), east side of Inter-American Highway, Costa Rica, 1961.

275651. GOSSYPIUM sp.

C.B. 3442. Field of cultivated perennial cotton. Cooperativa Algodonera, Campo de Multiplicacion de Algodon Perene o Hybrido Nativo Seleccionado, 2.5 miles south of Malambo (Atlantico), Colombia, 1961.

275652. GOSSYPIUM sp.

C.B. 3443. Wild cotton growing around a small pond in woods near Copey Town, east of Algarrobo (Magdalena), Colombia, 1961.

275646 to 275658—Continued

275653. *GOSSYPIUM* sp.

C.B. 3444. Dooryard plant, to 8 feet high, in vacant lot, Panama City, Panama, 1961.

275654. *GOSSYPIUM* sp.

C.B. 3445. Dooryard plant, 0.4 mile north of Inter-American Highway, road to Pedregal, Panama, 1961.

275655. *GOSSYPIUM* sp.

C.B. 3446. Dooryard plant, to 12 feet high, south side of Inter-American Highway, 0.4 mile northeast of Franklin D. Roosevelt statue, Panama, 1961.

275656. *GOSSYPIUM* sp.

C.B. 3447. Dooryard plant of kidney cotton, to 8 feet high, Turrialba, Costa Rica, 1961.

275657. *GOSSYPIUM* sp.

C.B. 3448. Dooryard plant, to 7 feet high, San Juaquin (Heredia), Costa Rica, 1961.

275658. *THESPESIA POPULNEA* (L.) Soland. ex Correa. Malvaceae.

Portiatree.

C.B. 3441. Dooryard plant, to 18 feet high, Repelon (Atlantico), Colombia, 1961.

275659. *WENZELIA* sp. Rutaceae.

From New Guinea. Seeds presented by the Division of Botany, Department of Forests, Lae. Received June 29, 1961.

No. L-1200. Gogol Valley, near Madax. Fruits cylindrical, about 2 inches long and 1.25 inches diameter, rounded at both ends, without nipple, bright orange when ripe.

275660. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 29, 1961.

No. N. 632. 'Kangaroo Valley'.

275661 to 275664.

From Ethiopia. Seeds presented by the United States Operations Mission, Addis Ababa. Received June 29, 1961.

275661. *CROTALARIA USARAMOENSIS* Baker f. Fabaceae.

Found near Dire Dawa, grew to 1.5 feet; leaves composed of 3 leaflets.

275662 to 275664. *LUPINUS ALBUS* L. Fabaceae. **White lupine.**

275662. No. 1.

275663. No. 2.

275664. No. 3.

275665 to 275676. *THEOBROMA CACAO* L. Sterculiaceae. Cacao.

From Ecuador. Budwood presented by the Servicio Cooperativo Inter-Americano de Agricultura, Pichilingue. Numbered June 30, 1961.

275665 to 275668. Received Sept. 9, 1959.

275665. EET 103. Miami No. 17464. Very high-yielding selection; susceptible to witches' broom.

275666. EET 377. Miami No. 17465. EET 156 × SCA 6.

275665 to 275676—Continued**275665 to 275668—Continued**

275667. EET 392. Miami No. 17466. 'Silecia 1' × SCA 6. Has high resistance to witches' broom. Pod index 6.3.

275668. EET 397. Miami 17467. Venezuelan Morado type, open-pollinated. Resistant to witches' broom.

275669 to 275672. Received Apr. 15, 1960.

275669. EET 64. Miami No. 17554. Venezuelan amarillo type, originally from Ecuador.

275670. EET 250. Miami No. 17561. Venezuelan amarillo type, originally from Colombia.

275671. EET 261. Miami No. 17562. Venezuelan amarillo type, originally from Brazil.

275672. EET 401. Miami No. 17566. From Ecuador.

275673 to 275676. Received Aug. 5, 1960.

275673. EET 59. Miami No. 17613. Nacional type, originally from Ecuador.

275674. EET 156. Miami No. 17721. 'Nacional' × 'Venezuelan Morado'. From Ecuador.

275675. EET 236. Miami No. 17723. Venezuelan amarillo type, originally from Ecuador.

275676. SCA 9. Miami No. 17726. Forastero type, originally from Trinidad.

275677 to 275683. LAGERSTROEMIA sp. Lythraceae.

From Australia. Plants presented by the Hazlewood Nurseries, Epping, New South Wales. Received June 30, 1961.

275677. Dark red.

275681. White.

275678. 'Eaves Pink'.

275682. No data.

275679. 'Eaves White'.

275683. No data.

275680. Pink.

275684 to 275686.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received July 5, 1961.

275684 and 275685. CAMELLIA JAPONICA L. Theaceae. Common camellia.

275684. Col. No. 972. From Rikuzen, Takada. Seed type, used for oil. Plant from the wild.

275685. Col. No. 982. From Raga, small coastal town near Tanohatamura, Iwate Prefecture. Plant in wild.

275686. SKIMMIA JAPONICA Thunb. Rutaceae.

Japanese skimmia.

Col. No. 964. From Areshima, small island near Shizukawa City, Miyagi Prefecture. Evergreen shrub; growing wild in shady forest with camellias; fruit terminal, bright red.

275687 to 275751. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Brazil unless otherwise noted. Seeds collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 5, 1961.

All accessions are cultivated.

275687. Col. No. 110. Ituiutaba store, Minas Gerais.

275687 to 275751—Continued

275688. Col. No. 111. Ituiutaba store, Minas Gerais.
275689. Col. No. 112. Piracanjuba store, Goias.
275690. Col. No. 113. From a residence between Morrinhos and the Rio Piracanjuba.
275691. Col. No. 114. Piracanjuba store, Goias.
275692. Col. No. 115. Corumba store, Goias.
275693. Col. No. 116. Trairas store, Goias.
275694. Col. No. 117. Trairas store, Goias.
275695. Col. No. 118. Rio Maranhua store.
275696. Col. No. 119. Anapolis market, Goias.
275697. Col. No. 120. Anapolis market, Goias.
275698. Col. No. 121. From a Japanese colony 40 km. north of Ceres, Goias.
275699. Col. No. 122. On the Brasilia-Belem road, 162 km. north of Brasilia.
275700. Col. No. 123. On the Brasilia-Belem road, 151 km. north of Brasilia.
275701. Col. No. 124. On the Brasilia-Belem road, 174 km. north of Brasilia.
275702. Col. No. 125. On the Brasilia-Belem road, 174 km. north of Brasilia.
275703. Col. No. 126. On the Brasilia-Belem road, 174 km. north of Brasilia.
275704. Col. No. 127. 'Amendoim do Cavolho'. Forty km. north of Ceres.
275705. Col. No. 128. Forty km. north of Ceres.
275706. Col. No. 129. Forty km. north of Ceres.
275707. Col. No. 130. 'Amendoim do Cavolho'. From Japanese colony 40 km. north of Ceres.
275708. Col. No. 131. Forty km. north of Ceres.
275709. Col. No. 132. 'Amendoim do Cavolho'. Forty km. north of Ceres.
275710. Col. No. 133. From a Japanese colony 40 km. north of Ceres.
275711. Col. No. 134. 'Amendoim do Cavolho'. Forty km. north of Ceres.
275712. Col. No. 135. Ceres, 147 km. north of Brasilia, on Brasilia-Belem road.
275713. Col. No. 136. 'Amendoim do Cavolho'. Ceres.
275714. Col. No. 137. Rio das Almas, Minas Gerais.
275715. Col. No. 138. South of the Belo Horizonte-Belem highway, road to Patos.
275716. Col. No. 139. Patos de Minas, Minas Gerais.
275717. Col. No. 140. Varjou, Patos, Minas Gerais, on Belo Horizonte-Brasilia road.
275718. Col. No. 141. Valle Grande, near Curvelo, Minas Gerais.
275719. Col. No. 142. Mendanha, 27 km. north of Diamantina, Minas Gerais.

275687 to 275751—Continued

275720. Col. No. 143. Corrego do Crimen, between Gouveo and Curvelo, Minas Gerais.
- 275721 to 275744. Experiment Station, Sete Lagoas, Minas Gerais.
275721. Col. No. 144. 'Amendoim Tatu'.
275722. Col. No. 145.
275723. Col. No. 146. 'S. S. Preto'.
275724. Col. No. 147. 'Amendoim Mineiro'.
275725. Col. No. 148. 'L. S. Caiana'.
275726. Col. No. 149. 'Tatu de Virginopolis'.
275727. Col. No. 150. 'Tatu S. P.'.
275728. Col. No. 151. 'S. L. Tatu'.
275729. Col. No. 152. 'S. L. Paulista'.
275730. Col. No. 153. I.E.E.A. 68.
275731. Col. No. 154. I.E.E.A. 66.
275732. Col. No. 155. I.E.E.A. 35.
275733. Col. No. 156. I.E.E.A. 3.
275734. Col. No. 157.
275735. Col. No. 158. S.S. 181.
275736. Col. No. 159. S.S. 49.
275737. Col. No. 160. S.S. 35.
275738. Col. No. 161. S.S. 31.
275739. Col. No. 162. S.S. 21.
275740. Col. No. 163. S.S. 20.
275741. Col. No. 164. S.S. 18.
275742. Col. No. 165. S.S. 16.
275743. Col. No. 166. S.S. 5.
275744. Col. No. 167. S.S. 2.

From Peru.

275745. Col. No. 168. 'Pintada'. Iquitas. Cultivated on river banks, after fall of high water, May, June; testa light-colored with purple spots.
275746. Col. No. 169. 'Liza' or 'Bollachita'. Iquitas. Cultivated on Amazon river banks, after fall of high water, May, June. Testa red.
275747. Col. No. 170. 'Copadina Chico' or 'Marado Menudo'. Cultivated on river banks, after fall of high water, May, June. Later plantings have insect problems. Testa purple.
275748. Col. No. 171. 'Blanca' or 'Angelita'. Iquitas area. Reportedly maturing in 3.5 months; considered rich in oil. Testa very light tan.
275749. Col. No. 172. 'Copadina Grande' or 'Marado Grande'. Tropical Peru. Cultivated on river banks, after fall of high water, May, June. Testa purple.
275750. Col. No. 173. Tournavista (near Pucallpa).
275751. Col. No. 174. Up the Ucayali River from Pucallpa.

275752 to 275764.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 5, 1961.

275752 to 275756. *DESMODIUM SANDWICENSE* E. Mey. Fabaceae.

All originally from Hawaii.

275752. C.P.I. No. 18231. Kapoho strain.

275753. C.P.I. No. 18233. Makawwli strain.

275754. C.P.I. No. 18234. Pensacola strain.

275755. C.P.I. No. 18235. Puuwaawaa strain.

275756. C.P.I. No. 18236. Ulupalakua strain.

275757 to 275762. *GLYCINE JAVANICA* L. Fabaceae.

275757. C.P.I. No. 16417. From Nigeria.

275758. C.P.I. No. 16673. From Rhodesia.

275759. C.P.I. No. 17185. From Nigeria.

275760. C.P.I. No. 17673. From Bulgaria.

275761. C.P.I. No. 18103. From Brazil.

275762. C.P.I. No. 18419. Choma strain. From Northern Rhodesia.

275763. *LOTONONIS BAINESII* Baker Fabaceae.

C.P.I. No. 16833. From Republic of South Africa.

275764. *STYLOSANTHES SUNDAICA* Taub. Fabaceae.

C.P.I. No. Q. 314. Townsville lucerne. From Australia.

275765. ORYZA SATIVA L. Poaceae.**Rice.**

From Pakistan. Seeds presented by the Office of the Economic Botanist (Cereals), Tejgaon, Dacca. Received July 5, 1961.

'Panbira'.

275766 and 275767. HIBISCUS SABDARIFFA var. **ALTISSIMA** Wester Malvaceae.

From Indonesia. Seeds presented by the United States Embassy, Djakarta. From the General Agricultural Experiment Station, Bogor. Received July 5, 1961.

275766. Green.

275767. Red.

275768. OSTEOSPERMUM CORYMBOSUM L. Asteraceae.

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 5, 1961.

Col. No. 18963. Burned over maquia, Garcia Pass, 10.5 miles north of Riversdale, Cape Province. Virgate annual, to 7 feet high; leaves large, imbricated; stem long, tapering, topped with spreading paniculate umbels; flowers yellow.

275769 to 275771.

From the United States. Seeds collected by E. E. Terrell and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 5, 1961.

275769. *LESQUERELLA LYRATA* Rollins Brassicaceae.

Col. No. 3370. Field 2.5 miles northwest of Richardson's Crossing, 6.5 miles east of Russellville, Franklin County, Alabama. Plants in wild; corolla yellow.

275769 to 275771—Continued

275770. *LESQUERELLA PERFORATA* Rollins

Col. No. 3344. Field in western part of Lebanon, Wilson County, Tennessee. Plants in wild; corolla white.

275771. *LESQUERELLA STONENSIS* Rollins

Col. No. 3347. Field 5.5 miles northwest of Walterhill, Rutherford County, Tennessee. Plants in wild.

275772 to 275776.

From Japan. Seeds presented by the National Institute of Genetics, Yata III, Misima, Sizuoka-ken. Samples collected from individual plants. Received July 5, 1961.

275772. *AGROPYRON CILIARE* (Trin.) Franch. Poaceae.

Donor's No. 5895 (1958).

275773. *AGROPYRON GMELINII* (Griseb.) Scribn. & Smith

Donor's No. 5778-1 (1957).

275774. *AGROPYRON MAYEBARANUM* Honda

Donor's No. 58115 (1958).

275775. *AGROPYRON TSUKUSHIENSE* (Honda) Ohwi

Donor's No. a-53 (1959).

275776. *AGROPYRON YEZOENSE* Honda

Donor's No. a-60 (1959).

275777 to 275780.

From Hong Kong. Seeds presented by the Urban Services Department, Victoria. Received July 5, 1961.

275777. *ILEX PUBESCENS* Hook. & Arn. Aquifoliaceae.

No. 17707.

275778. *ILEX ROTUNDA* Thunb.

No. 17706.

275779. *ILEX TRIFLORA* var. *VIRIDIS* Loes.

No. 17708.

275780. *RHODOLEIA CHAMPIONI* Hook. Hamamelidaceae.

No. 17709.

275781 and 275782. *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**

From the British West Indies. Seeds presented by the Department of Agriculture, St. Clair, Port-of-Spain, Trinidad. Received July 6, 1961.

275781. ICS 1 × IMC 67.

275782. IMC 67 × ICS 1.

275783 to 275814.

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received July 6, 1961.

275783. *AUCUBA JAPONICA* var. *BOREALIS* Miyabe & Kudo Cornaceae.

Col. No. 1030. Mount Osorisan, Aomori Prefecture. Plant 18 inches high with heavy fruiting habit.

275783 to 275814—Continued

275784. *CALANTHE TRICARINATA* Lindley Orchidaceae. **Orchid.**

Col. No. 1003. Near Lake Towada, Aomori Prefecture. Flowers in spikes to 18 inches high, yellow.

275785. *DRYOPTERIS CRASSIRHIZOMA* Nakai Polypodiaceae.

Col. No. 1009. Along shady path, below Yachi Onsen, Aomori Prefecture. Elevation 2,000 feet. Plant large; fronds attractive, dark green.

275786. *EUONYMUS* sp. Celastraceae.

Col. No. 1007. Near Lake Towada, Aomori Prefecture. Elevation 1,300 feet. A sprawling form, probably related to *E. alatus*.

275787. *HYDRANGEA SERRATA* (Thunb.) DC. Hydrangeaceae.

Col. No. 1031. 'Pubescens'. Lake border, Mount Osorisan, Aomori Prefecture. Upper leaf surfaces hairy; flowers white with sterile blue florets around perimeter of corymb.

275788 to 275795. *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki Aquifoliaceae.

275788. Col. No. 1006. Lake Towada, Aomori Prefecture. Elevation 1,300 feet. Plant low growing.

275789. Col. No. 1017. Mount O-take, Aomori Prefecture. Elevation 3,950 feet. Large leaf type.

275790. Col. No. 1019. Mount O-take, Aomori Prefecture. Elevation 3,950 feet. Small leaf type.

275791. Col. No. 1020. Mount O-take, Aomori Prefecture. Elevation 3,950 feet. Small leaf type.

275792. Col. No. 1027. On sandy, sulphur, beach around small lake, Mount Osorisan, Aomori Prefecture. Plant prostrate, dense, and twiggy; a ground cover.

275793. Col. No. 1028. In swampy area, Mount Osorisan, Aomori Prefecture. Plant upright, to 8 feet high, vigorous many-branched.

275794. Col. No. 1032. On rocky cliffs, in full sun, Mount Osorisan, Aomori Prefecture. Plant dense, compact; foliage shiny.

275795. Col. No. 1037. Roadside, Mount Osorisan, Aomori Prefecture. Elevation 700 feet. Large-fruited form.

275796 and 275797. *ILEX* × *MAKINOI* Hara.

275796. Col. No. 1016. Along path, O-take, Aomori Prefecture. Elevation 3,600 feet. A pistillate natural hybrid.

275797. Col. No. 1026. In dense woods on Mount Osorisan, Aomori Prefecture. A staminate natural cross, *I. leucoclada* × *I. rugosa*; the hybrid exceeds parents in vigor and size.

275798 and 275799. *ILEX RUGOSA* Fr. Schmidt

275798. Col. No. 1015. Plant pistillate.

275799. Col. No. 1025. Roadside, edge of forest, Mount Osorisan, Aomori Prefecture. A vigorous pistillate form collected at low elevation.

275800 to 275808. *ILEX SUGEROKI* Maxim.

Sugeroki holly.

275800. Col. No. 989. Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Berries red, single or in pairs.

275801. Col. No. 990. Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Berries red, single or in pairs.

275783 to 275814—Continued**275800 to 275808—Continued**

275802. Col. No. 991. Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Berries red, single or in pairs.

275803. Col. No. 992. Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Berries red, single or in pairs.

275804. Col. No. 993. Above Yachi Onsen, Aomori Prefecture. Elevation 2,800 feet. Plant to 8 feet high; berries red, single or in pairs.

275805. Col. No. 994. Moist sunny upland bog, above Yachi Onsen, Aomori Prefecture. Elevation 3,100 feet. Berries red.

275806. Col. No. 1018. Sphagnum bog, O-take, Aomori Prefecture. Elevation 3,750 feet. Plant upright; berries red.

275807. Col. No. 1023. Around small lake, Mount Osorisan, Aomori Prefecture. Plant staminate.

275808. Col. No. 1024. Mount Osorisan, Aomori Prefecture. Upright dense shrub to 6 feet high; berries red.

275809. *LYSICHITUM CAMTSCHATCENSE* (Linn.) Schott Araceae.

Col. No. 1008. Sphagnum bog above Sukayu Onsen, Aomori Prefecture. Elevation 3,150 feet. Plant deep rooted; spadix large, white.

275810. *MENZIESIA CILIICALYX* Maxim. Ericaceae.

Col. No. 1004. Lake Towada, Aomori Prefecture. Elevation 1,950 feet. Deciduous shrub to 4 feet high; flowers purple, pendant.

275811. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae.

Japanese azalea.

Col. No. 1022. Full sun, O-take, Aomori Prefecture. Elevation 2,950 feet. Flowers brilliant orange red, uniform in color.

275812. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson
Torch azalea.

Col. No. 1005. Near Lake Towada, Aomori Prefecture. Flowers red.

275813. *RUBUS VERNUS* Focke Rosaceae.

Col. No. 1021. Along path, O-take, Aomori Prefecture. Elevation 4,750 feet. Flowers large, dark red, about one inch in diameter; ornamental.

275814. *THUJOPSIS DOLABRATA* var. *HONDAI* Makino Pinaceae.

Col. No. 1029. Dominant forest plant, Mount Osorisan, Aomori Prefecture. Form of the species found only in northern part of Aomori and Hokkaido.

275815 to 275818.

From Japan. Seeds presented by the Horticultural Station, National Tokai-Kinki Agricultural Experiment Station, Okitsu, Shimizu City. Received July 10, 1961.

275815. *CITRUS IYO* Hort. ex Tanaka Rutaceae.

Probable chance seedling, Yamaguchi Prefecture. Grown commercially for its size, attractive appearance and fruit quality. Tree resembles a sweet orange and its response to soil elements and pathogens is similar to *C. sinensis*.

275816. *CITRUS PSEUDOPARADISI* Hort. ex Tanaka

A cultigen from Ehime Prefecture called 'Uwa-pomelo'. Grown commercially.

275815 to 275818—Continued

275817. CITRUS SULCATA Hort. ex Tanaka

Grown commercially as a late-maturing citrus of good taste and desirable flesh texture. Has pronounced basal nipples.

275818. CITRUS sp.

Received as 'Sankitsu Mandarin'.

275819 to 275826. PISUM SATIVUM L. Fabaceae.

From Sweden. Seeds presented by the North Experiment Station, Alnarp. Received July 10, 1961.

275819. Line 1. Early dwarf. See E. Nilsson, 1936, Hereditas XXI.

275820. Line 2. Gray dwarf. See J. Rasmussen, 1927, Hereditas X.

275821. Line 3. 201.1 Dwarf. See De Haan, 1927, Genetica IX.

275822. Line 4. 'Witham Wonder'. Dwarf. See J. Rasmussen, 1927, Hereditas X.

275823. Line 6. 204.1 Dwarf. See De Haan, 1927, Genetica IX.

275824. Line 7. 'Acacia'. Dwarf. See E. Nilsson, 1933. Hereditas XVII.

275825. Line 8. Cryptodwarf. See J. Rasmussen L 1373/30.

275826. Line 30. Dwarf. See R. Lamm, 1947, Hereditas XXXIII.

275827. MYRICA CORDIFOLIA L. Myricaceae.

From the Republic of South Africa. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 22, 1961.

Col. No. 18848. Buffeljagt, Bredasdorp District, Cape Province.

275828 to 275845. ZEA MAYS L. Poaceae. Corn.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered July 11, 1961.

275828. G 8819. Collected at farm of N. E. Solt, Leighton, Carbon County, Pa. Vigorous, leafy, open-pollinated flint corn; suckers few; ears 1.5 by 11 inches, 8 rowed. Susceptible to smut.

275829. G 8820. 'Hapler Ear 2'. Collected at farm of Larry Hapler, New Bethlehem, Clarion County, Pa. Plants vigorous, erect, leafy, suckerless; ear 2.1 by 12 inches, 18 rowed; kernels white capped, dent. Smut free.

275830. G 8821. 'Hapler Ear 8'. Collected at farm of Larry Hapler. Plants vigorous, erect, leafy; suckers few; ears two by seven inches, 18 rowed; kernels white capped, dent. Smut free.

275831. G 8822. Collected at farm of J. W. Stiles, N. W., Pa. Plants vigorous, erect, leafy; suckers few; ears 1.75 by 8 inches, 12 rowed; kernels white capped, dent. Smut free.

275832. G 8823. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, tall, very leafy, suckerless; ears two by nine inches, 14 rowed; kernels white capped, dent. Whitecap version of 'Lancaster Sure Crop'. Smut severe.

275833. G 8824. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, leafy, whorls of leaves at top, suckerless; ears 2.25 by 10 inches, 14 rowed; kernels white capped, dent. White-cap version of 'Lancaster Sure Crop'. Smut severe.

275828 to 275845—Continued

275834. G 8825. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, uniformly tall, leafy, whorls of leaves at top, suckerless; stalks large; ear 2.25 by 11.5 inches, 16 rowed; kernels white capped, dent. White-cap version of 'Lancaster Sure Crop'. Smut severe.
275835. G 8826. 'Penna Leaming'. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, leafy; suckers few; ear 2.25 by 9 inches, 18 rowed; kernels yellow, dent. Smut severe.
275836. G 8827. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, leafy, uniform; suckers few; ear 2.25 by 8.5 inches, 16 rowed; kernels yellow, dent. Susceptible to smut.
275837. G 8828. Collected at farm of C. W. Buskirk, Saylorsburg, Monroe County, Pa. Plants vigorous, erect, leafy, uniform; suckers few; ear 2.25 by 7 inches, 18 rowed, tapering abruptly; kernels yellow, dent. Susceptible to smut and very susceptible to bacterial wilt.
275838. G 8829. Collected at farm of C. W. Buskirk. Plants vigorous, erect, leafy, suckerless; ear 2 by 8 inches, 16 rowed; kernels yellow, dent. Slightly susceptible to smut.
275839. G 8830. Collected at farm of Joseph Reinsel, Maypert, Clarion County, Pa. Plants vigorous, erect, uniform; suckers few; ear 2 by 7 inches, 16 rowed, kernels yellow, dent, white capped. Susceptible to smut.
275840. G 8831. Collected at farm of Joseph Reinsel. Plants of medium vigor, erect, leafy, suckerless; ears 1.75 by 9 inches, 20 rowed, kernels yellow, dent, white capped.
275841. G 8832. Collected at farm of Clem Griffith Ephrata, Lancaster County, Pa. Plants vigorous, erect, leafy; suckers few; little pollen, late maturing; ears 2.25 by 12 inches, 16 rowed, kernels yellow, dent. Smut severe.
275842. G 8833. Collected at farm of Clem Griffith. Plants vigorous, erect, leafy, uniform, little pollen; suckers few; ears 2.25 by 9.5 inches, 16 rowed; kernels yellow, dent. Smut severe.
275843. G 8834. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, moderately leafy, moderately uniform, suckerless; ear 2.25 by 10 inches, 16 rowed; kernels yellow, dent. Susceptible to smut.
275844. G 8835. Collected at Farm Show, Lancaster, Pa., 1959. Plants erect, leafy, uniform; suckers few; stalk flattened; ear 2 by 11.75 inches, 12 to 16 rowed; kernels yellow dent with light yellow cap. Susceptible to bacterial wilt and smut.
275845. G 10200. 'Millersburg Red Sweet'. Presented by E. T. Friend, Highland Springs, Va. Seeds from Millersburg, Ohio. Sweet corn with wrinkled, red kernels.

275846. MANGIFERA INDICA L. Anacardiaceae. **Mango.**

From Rhodesia. Tree purchased through the United States Consulate, Salisbury. Received July 10, 1961. Numbered July 13, 1961.

'Tyler Premier'. A chance seedling growing on Eastlands farm, Eastern District, Umtali, Southern Rhodesia, and reproduced vegetatively. Tree vigorous producing a few fruits in its second year and progressively more thereafter; fruit yellowish, large, almost round, free from turpentine and string, flavor excellent; seed smooth, can be eaten with a spoon. Ripens a little later than most other varieties.

275847. ILEX GLABRA f. LEUCOCARPA F. W. Woods
Aquifoliaceae.

From the United States. Plant presented by the Gulf Coast Research Center, Mariana, Florida. Numbered July 12, 1961.

No. N.A. 14278. A white-fruited form found in Jackson County, about 4 miles south of Mariana. Plant has typical growth form, but albinism extends to the leaves, which are lighter green.

275848 to 275865.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received July 12, 1961.

275848 and 275849. AUCUBA JAPONICA var. BOREALIS Miyabe & Kudo
Cornaceae.

275848. Col. No. 1035. Growing along roadside in shady woods of *Thujopsis*. Plant to 18 feet high, compact, attractive.

275849. Col. No. 1036. Growing as subshrub, Mount Osorisan, Aomori Prefecture. Plant to 18 inches high; fruit red, in terminal clusters, June.

275850 to 275857. ILEX CRENATA ssp. RADICANS (Nakai) Tatewaki
Aquifoliaceae.

275850. Col. No. 995. Streamside, edge of sphagnum bog, Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Low-growing evergreen; leaf size variable; fruit black.

275851. Col. No. 996. Edge of Sphagnum bog, above Yachi Onsen, Aomori Prefecture. Elevation 2,800 feet. Low-growing evergreen; leaf size variable, fruit black.

275852. Col. No. 997. Edge of sphagnum bog, near Sukayu Onsen, Aomori Prefecture. Elevation 3,200 feet. Low-growing evergreen; leaf size variable; fruit black.

275853. Col. No. 1011. Open boggy meadow, Mount O-take, Aomori Prefecture. Elevation 4,250 feet. Plant to 4 feet high; leaves variable size.

275854. Col. No. 1012. Perimeter of sphagnum bog, Mount O-take, Aomori Prefecture. Elevation 4,000 feet. A low-growing evergreen shrub.

275855. Col. No. 1033. Sulphur outcrop, Mount Osorisan, Aomori Prefecture. Plant prostrate.

275856. Col. No. 1034. Swampy woods, Mount Osorisan, Aomori Prefecture. Plant to 8 feet high, vigorous, upright.

275857. Col. No. 1038. Roadside, in full sun, Mount Osorisan, Aomori Prefecture. Elevation 700 feet. Large-fruited form.

275858. ILEX RUGOSA Fr. Schmidt.

Col. No. 1013. Understory of *Pinus pumila*, Mount O-take. Elevation 4,250 feet. Plant prostrate; leaves rugose; fruits red.

275859 to 275862. ILEX SUGEROKII Maxim. Sugeroki holly.

275859. Col. No. 998. Sunny places, along stream, sphagnum bog, Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Plant upright to 8 feet high; fruit red, single or in pairs.

275860. Col. No. 999. Roadside above Yachi Onsen, Aomori Prefecture. Elevation 2,800 feet. Plant upright, evergreen; fruit red, single or in pairs.

275848 to 275865—Continued

275859 to 275862—Continued

275861. Col. No. 1000. Edge of sphagnum bog, near Sukayu Onsen, Aomori Prefecture. Elevation 3,100 feet. Plant upright, evergreen; fruit single or in pairs.

275862. Col. No. 1014. Bog, Mount O-take, Aomori Prefecture. Elevation 4,000 feet. Plant upright, evergreen; fruit red.

275863. *PRUNUS TOMENTOSA* Thunb. Amygdalaceae. **Manchu cherry.**

Col. No. 1002. Growing along barley field, Akka-Kuji road, Aomori Prefecture. A bush cherry; fruit large, about size of cranberry, very attractive.

275864. *PRUNUS VERECUNDA* Koehne

Col. No. 1001. In forest near Lake Towada, Aomori Prefecture. Elevation 1,600 feet. Tree to 40 feet high.

275865. *SKIMMIA REPENS* Nakai Rutaceae.

Col. No. 1010. Growing in shady places, Mount O-take, Aomori Prefecture. Elevation 4,400 feet. Plant small, semiprostrate, evergreen; fruits red, in terminal clusters.

275866 to 275935.

From Belgium. Plants presented by the Jardin Botanique de l'Etat, Brussels. Received July 10, 1961. Numbered July 13, 1961.

275866. *AGAPANTHUS CAULESCENS* Spreng. Liliaceae.

275867. *ANUBIAS AFFINIS* DeWild Araceae.

275868. *ANUBIAS CONGENSIS* N.E. Br.

275869. *APHELANDRA AURANTIACA* (Schneidw.) Lindl. Acanthaceae.

275870. *APHELANDRA AURANTIACA* var. *ROEZLII* (Carr.) Nichols

275871. *APHELANDRA TETRAGONA* (Vahl) Nees

275872. *ASYSTASIA VOGELIANA* Benth. Acanthaceae.

275873. *BEGONIA* (hybrid). Begoniaceae.

'Colonel Six'.

275874. *BEGONIA CRISPULA* Brade

275875. *BIGNONIA UNCATA* (Andr.) Sprague & Sandw. Bignoniaceae.

'Rodigasiana'.

275876. *CHLOROPHYTUM ALISMIFOLIUM* Bak. Liliaceae.

275877. *CHLOROPHYTUM MACROPHYLLUM* (A. Rich.) Aschers.

275878. *CHLOROPHYTUM MANNII* Bak.

275879. *CHLOROPHYTUM ORCHIDASTRUM* Lindl.

275880. *CHLOROPHYTUM UKAMBENSE* Bak.

275881. *CLUSIA OVIGERA* Pl. & Tr. Clusiaceae.

275882 to 275904. *CODIAEUM VARIEGATUM* var. *PICTUM* (Lodd.) Muell.-Arg. Euphorbiaceae.

275882. 'Appendiculatum'.

275886. 'Carrierei'.

275883. 'B. Comte'.

275887. 'Dame Melanie'.

275884. 'Baronne James de Rothschild'.

275888. 'Frederic Sander'.

275885. 'British Empire'.

275889. 'Glace'.

275866 to 275935—Continued

275882 to 275904—Continued

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| 275890. 'L'Aurore'. | 275898. 'Neglectus'. |
| 275891. 'L'Ideal'. | 275899. 'Ostersii'. |
| 275892. 'Majesticum'. | 275900. 'President Charles'. |
| 275893. 'Maurice Rouvier'. | 275901. 'Prince of Monaco'. |
| 275894. 'Mlle Etienne Joris'. | 275902. 'Quadricolor'. |
| 275895. 'Mme de Solignac'. | 275903. 'Souvenir de Laeken'. |
| 275896. 'Mr. Georges Truffaut'. | 275904. 'Sunbeam'. |
| 275897. 'Mr. Peeters'. | |
| 275905 to 275909. <i>CORDYLINA TERMINALIS</i> (L.) Kunth Liliaceae. Dracena. | |
| 275905. 'Eeckhoutei'. | 275908. 'Mme Charron'. |
| 275906. 'Kaiser Wilhelm'. | 275909. 'Mr. Russell'. |
| 275907. 'Marguerite Story'. | |
| 275910. <i>COSTUS AFER</i> Ker-Gawl. Zingiberaceae. | |
| 275911. <i>COSTUS</i> sp. | |
| 'Albovariegata'. | |
| 275912. <i>CRINUM CONGALENSE</i> DeWild Amaryllidaceae. | |
| 275913. <i>DRACAENA RUBRO-AURANTIACA</i> DeWild Liliaceae. | |
| 275914. <i>DRACAENA UMBRACULIFERA</i> Jacq. | |
| 275915. <i>EPIPREMNUM MIRABILE</i> Schott Araceae. | |
| 275916. <i>ERANTHEMUM NIGRUM</i> Linden Acanthaceae. | |
| 275917. <i>EUGENIA GUILLEMINIANA</i> Gentil Myrtaceae. | |
| 275918. <i>EULOPHIA HORSFALLII</i> (Batem.) Summerhay Orchidaceae. Orchid. | |
| 275919. <i>FICUS HEDERACEA</i> Roxb. Moraceae. | |
| 275920. <i>GLORIOSA HOMBLEI</i> DeWild Melanthiaceae. | |
| 275921. <i>HYMENOCALLIS SENEGAMBICA</i> Kunth & Bouche Amaryllidaceae. | |
| 275922. <i>MICROSTYLIS COMMELINIFOLIA</i> Zoll. & Mor. Orchidaceae. Orchid. | |
| 275923. <i>SYNGONIUM PODOPHYLLUM</i> Schott. Araceae. | |
| 275924. <i>PHRYNIUM BRACHYSTACHYUM</i> Koern. Marantaceae. | |
| 275925. <i>PILEA ELEGANS</i> Wedd. Urticaceae. | |
| 275926. <i>PLECTRANTHUS PURPURATUS</i> Harv. Menthaceae. | |
| 275927. <i>PSEUDERANTHEMUM SETICALYX</i> Stapf Acanthaceae. | |
| 275928. <i>RUELLIA ROSEA</i> Bull Acanthaceae. | |
| 275929. <i>SANSEVIERIA TRIFASCIATA</i> Prain Liliaceae. | |
| 'Craigii'. | |
| 275930. <i>SCLERIA RACEMOSA</i> Poir. Cyperaceae. | |
| 275931. <i>STROBILANTHUS GLOMERATUS</i> (Nees) T. Anders. Acanthaceae. | |
| 275932. <i>THUNBERGIA ERECTA</i> (Benth.) T. Anders. Acanthaceae. Clockvine. | |
| 'Alba'. | |
| 275933. <i>THUNBERGIA IKBALIANA</i> DeWild | |
| 275934. <i>VANILLA LUJAE</i> DeWild Orchidaceae. Orchid. | |
| 275935. (Undetermined.) | |

275936. HIBISCUS FURCATUS Willd. Malvaceae.

From India. Seeds presented by the Botany Department, Andhra University, Waltair. Received July 13, 1961.

275937. TRICHACHNE INSULARIS (L.) Nees Poaceae.

From Puerto Rico. Seeds presented by the Soil Conservation Service, United States Department of Agriculture, Ponce. Received July 13, 1961.

275938. AGROPYRON JUNCEUM (L.) Beauv. Poaceae.

From Israel. Seeds presented by the Plant Introduction Service, Agricultural Experiment Station, Haifa. Received July 13, 1961.

'Acre'. Growing on dunes near the sea.

275939 to 275957.

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 17, 1961.

275939. CEPHALOPHYLLUM ALSTONII Marloth ex L. Bolus Aizoaceae.

From Veld Reserve, Worcester, Cape Province. Succulent ornamental.

275940 and 275941. ERICA SESSILIFLORA L. f. Ericaceae.

275940. Col. No. 18825. Limestone mountain slope eight miles northwest of Bredasdorp, C. P. Elevation 2,000 feet. Plant suffrutescent, to 16 inches high; spikes prolific; flowers pale green, ornamental.

275941. Col. No. 18853. Sandy soil near sea level, Buffeljagt, Bredasdorp District C. P. Shrub to 5 feet high; flowers light green, persisting on stems below leaves.

275942. INDIGOFERA SULCATA DC. Fabaceae.

Col. No. 18951. Prince Alfred's Pass, Uniondale District, Cape Province. Elevation 3,000 feet. Virgate perennial to 40 inches high; stem firm, slender.

275943. LEUCODENDRON sp. Proteaceae.

Col. No. 18854. Near sea level, Buffeljagt, Bredasdorp District, Cape Province. Dense bushy shrub to 6 feet high; heads silvery, showy.

275944. LEUCOSPERMUM ATTENUATUM R. Br. Proteaceae.

Col. No. 19123. Sandy maquia seven miles west of Mossel Bay, Cape Province. Elevation 100 feet. Symmetrical shrub to 5 feet high; flowers red and yellow, ornamental.

275945. LEUCOSPERMUM CONOCARPUM R. Br.

Col. No. 19034. Rocky, sandy, soil Sir Lowry's Pass near Bot River, Cape Province. Plant symmetrical, to 7 feet high; branches erect, imbricated with large green leaves; flower heads large, yellow, ornamental.

275946. MYRICA CORDIFOLIA L. Myricaceae.

Col. No. 18848. Sea level sand dunes, Buffeljagt, Bredasdorp District, Cape Province. Low, spreading shrub in wild; branches running along ground and rooting. Used to stabilize dunes.

275947. NEBELIA SPHAEROCEPHALA O. Ktze. Bruniaceae.

Col. No. 18855. Near sea level, Buffeljagt, Bredasdorp District, Cape Province. Plant low, silvery, iricoid; flowers in heads, minute.

275948. CENCHRUS CILIARIS L. Poaceae.

Buffelgrass.

Col. No. 993. Collected in Cape Province. Widespread, perennial pasture grass.

275939 to 275957—Continued

275949. *PROTEA CYNAROIDES* L. Proteaceae.

Col. No. 18846. Limestone slope 8 miles northwest of Bredasdorp, Cape Province. Elevation 1,800 feet. Plant low; leaves large; flowers large, pink, ornamental.

275950. *PROTEA* sp.

Col. No. 18847. Limestone slope 8 miles northwest of Bredasdorp, Cape Province. Elevation 1,500 feet. Plant symmetrical, spreading; flowers large, showy.

275951. *PROTEA* sp.

Col. No. 18850. Near sea level, Buffeljagt, Bredasdorp District, Cape Province. Shrub to 6 feet high; bracts pink, ornamental.

275952. *SERRURIA AITONII* R. Br. Proteaceae.

Col. No. 19009. Sandstone soils, Piquetburg Mountain, Piquetberg District, Cape Province. Elevation 3,000 feet. Perennial to 20 inches high; stem single; crown spreading.

275953. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard ex M. B. Poaceae.

Col. No. 19177. Plot No. A53, Rietondale Research Station, Pretoria. Tall, caney grass growing rapidly with 20 inches of summer rain.

275954. *SPATALLOPSIS ERICIFOLIA* Phillips Proteaceae.

Col. No. 19030. In valley between Kleinfontein and Ceres, Ceres District. Short-lived perennial to 32 inches high; flowers in spikes, lavender, ornamental.

275955. *SPOROBOLUS FIMBRIATUS* Nees Poaceae.

Col. No. 19180. Plot No. A107, Rietondale Research Station, Pretoria. Vigorous xerophytic perennial growing with 20 inches of summer rain.

275956. *THEMEDA TRIANDRA* Forsk. Poaceae. **Rooi grass.**

Col. No. 18906. Karoo veldt, along road to Cradock, 20 miles southeast of Middelburg, Cape Province. Elevation 3,500 feet. Leafy perennial to 32 inches high. Well liked by livestock. Annual rain 12 to 20 inches; temperature to 150° F.

275957. *WATSONIA* sp. Iridaceae.

Col. No. 19133. Coastal fynbos, 18 miles west of Humansdorp, Cape Province. Elevation 150 feet. Flowers attractive, bright orange; spikes long, ornamental.

275958 to 275961. VIGNA SINENSIS (Torner) Savi Fabaceae.**Cowpea.**

From Nigeria. Seeds presented by the Department of Botany, University College, Ibadan. Received July 18, 1961.

Plants prostrate.

275958. No. 1. Seeds large, brown.

275959. No. 2. Seeds large, white.

275960. No. 3. Seeds medium, white.

275961. No. 4. Seeds small, brown, mottled, rough.

275962. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Australia. Tubers presented by the Department of Agriculture, Sydney, New South Wales. Received July 21, 1961.

'Bungama'.

275963. CARICA PAPAYA L. Caricaceae. Papaya.
From Japan. Seeds presented by United States Embassy, Tokyo. Received July 21, 1961.

A dwarf variety from Pin Tung, near Kaoshing, south Taiwan.

275964 and 275965. ALLIUM CEPA L. Liliaceae. Onion.
From Greece. Seeds presented by the United States Embassy, Athens. Cultivated in Kypseli, Zante. Received Dec. 15, 1961.

Bulbs subglobose, red, sweet, sometimes weighing 1,000 grams. 'Velousiotika' or 'Nerokremmydo'.

275964. No. 1.

275965. No. 2.

275966 and 275967. PENNISETUM SPICATUM (L.) Willd. Pearl millet.
Poaceae.

From Rhodesia. Seeds presented by the United States Consul General, Salisbury. Received July 24, 1961.

275966. No. 1. 'Bearded Rhodesian'.

275967. No. 2. 'Rhodesian Giant'.

275968. PANICUM BULBOSUM H.B.K. Poaceae.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received July 24, 1961. From the state of Bahia.

275969 and 275970.

From the Sudan. Seeds presented by E. G. Nelson, Bethesda, Md. Received July 24, 1961.

275969. CORCHORUS TRILOCULARIS L. Tiliaceae.

From Kashim el Girba.

275970. Undetermined.

From Khartoum.

275971 to 275973.

From Germany. Plants purchased from Walter Suptitz, Hamburg. Received Sept. 9, 1960. Numbered July 25, 1961.

275971. HYDRANGEA sp. Hydrangeaceae.

'Bodensu'. Flowers blue.

275972. HYDRANGEA sp.

'Hornli'.

275973. HYDRANGEA sp.

'Mathilde'.

275974 to 275995.

From France. Seeds presented by the Laboratoire de Recherches, sur les Plantes Fourragères, Service Botanique, Rouen. Received July 25, 1961.

275974. MELILOTUS ALBA Desr. Fabaceae.

White sweetclover.

'Cournon' (Puy de Dome).

275975. MELILOTUS OFFICINALIS (L.) Lam.

Yellow sweetclover.

'Goulven' (Finistere).

275976. TRIFOLIUM ALPESTRE L. Fabaceae.

'Montagne de Lure' (Basses-Alpes).

275974 to 275995—Continued

275977. *TRIFOLIUM ALPINUM* L.
 'Col du Lautaret' (H.A.).
275978. *TRIFOLIUM ANGUSTIFOLIUM* L.
 'Bourdeaux' (Drome).
275979. *TRIFOLIUM ARVENSE* L. Rabbitfoot clover.
 'Roscoff' (Finistere).
275980. *TRIFOLIUM BADIUM* Schreb.
 'Besse en Chandesse' (P. de D.).
275981. *TRIFOLIUM CAMPESTRE* Schreb.
 'Le Vaudreuil' (Eure).
275982. *TRIFOLIUM FILIFORME* var. *DUBIUM* Fiori
 'Pin au Haras' (Orne).
- 275983 to 275986. *TRIFOLIUM FRAGIFERUM* L. Strawberry clover.
275983. 'Bourdeaux' (Drome). 275985. 'Le Guilvinee' (Finistere).
 275984. 'Guisseny' (Finistere). 275986. 'Lesconil' (Finistere).
275987. *TRIFOLIUM GLOMERATUM* L. Cluster clover.
 'Roscoff' (Finistere).
275988. *TRIFOLIUM INCARNATUM* L. Crimson clover.
 'Molinerii'. Wild type. (Puy de Dome).
- 275989 to 275992. *TRIFOLIUM PRATENSE* L. Red clover.
275989. 'Creances' (Manche).
 275990. 'Fay sur Lignon' (Haute-Loire).
 275991. 'Mont-Ventoux' (Vaucluse).
 275992. 'Pin au Haras' (Orne).
275993. *TRIFOLIUM REPENS* L. Whiteclover.
 'Pentrez-Plage' (Finistere).
275994. *TRIFOLIUM RESUPINATUM* L. Persian clover.
 (Herauld).
275995. *TRIFOLIUM SCABRUM* L.
 'Pentrez-Plage' (Finistere).

275996 to 276022.

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received July 25, 1961.

- 275996 to 276013. *TRITICUM DICOCCUM* var. *FARRUM* Bayle-Barrelle ex Flaksb. Poaceae.
275996. Donor's No. 76. Graus, Huesca. Escana.
 275997. Donor's No. 89. Grado, Asturias.
 275998. Donor's No. 92. Puente Fierros, Asturias. Povia.
 275999. Donor's No. 93. Puente Fierros, Asturias. Povia blanca.
 276000. Donor's No. 94. Puente Fierros, Asturias. Povia.
 276001. Donor's No. 95. Puente Fierros, Asturias. Povia.
 276002. Donor's No. 97. Canada del Hoyo, Cuenca. Escana doble.

275996 to 276022—Continued**275996 to 276013—Continued**

276003. Donor's No. 98. Navarra. Escandia.
 276004. Donor's No. 100. Graus, Barcelona. Escana.
 276005. Donor's No. 101. Somiedo, Asturias. Povia blanca.
 276006. Donor's No. 102. Asturias. Povia blanca.
 276007. Donor's No. 103. Asturias. Povia blanca.
 276008. Donor's No. 104. Malvedo, Asturias. Escanda.
 276009. Donor's No. 106. Muros, La Coruna.
 276010. Donor's No. 107. Salas, Asturias.
 276011. Donor's No. 110. Asturias. Escanda povia.
 276012. Donor's No. 111. Asturias. Povia blanca.
 276013. Donor's No. 112. Somiedo, Asturias. Povia blanca.

276014 to 276022. TRITICUM DICOCCUM Schrank**Emmer.**

'Rufum'.

276014. Donor's No. 118. Puente Fierros, Asturias.
 276015. Donor's No. 119. Puente Fierros, Asturias.
 276016. Donor's No. 122. Vega Peridiello, Asturias.
 276017. Donor's No. 124. Puente Fierros, Asturias. Povia.
 276018. Donor's No. 125. Puente Fierros, Asturias. Povia.
 276019. Donor's No. 126. Puente Fierros, Asturias. Povia.
 276020. Donor's No. 127. Puente Fierros, Asturias. Povia.
 276021. Donor's No. 129. Puente Fierros, Asturias. Povia.
 276022. Donor's No. 130. Asturias. Escanda de la abundancia.

276023 to 276073.

From the Republic of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agricultural Technical Services, Pretoria. Received July 26, 1961.

276023. ANDROPOGON APPENDICULATUS Nees Poaceae.

Donor's No. 697. Ermelo, Transvaal.

276024. ANDROPOGON GAYANUS Kunth

Donor's No. 698. From Gold Coast.

276025. ANTHEPHORA PUBESCENS Nees Poaceae.

Donor's No. 701. Vaalbank, Orange Free State.

276026. ARISTIDA UNIPLUMIS Roem. & Schult. Poaceae.

Donor's No. 699. Rietrivier, Orange Free State.

276027 and 276028. BROMUS WILLDENOWII Kunth Poaceae. Rescuegrass.

276027. Donor's No. 702. From Nakuru, Kenya.

276028. Nakuru. A weak perennial.

276029. CHLORIS GAYANA Kunth Poaceae.**Rhodesgrass.**

Donor's No. 700. Standerton, Transvaal.

276030. CYMBOPOGON PLURINODIS (Staf) Burt-Davy Poaceae.

276023 to 276073—Continued

- 276031.** *DIGITARIA SMUTSII* Stent. Poaceae.
Donor's No. 703. Irene.
- 276032.** *EHRHARTA LONGIFOLIA* Schrad. Poaceae.
Donor's No. 704. Darling Basson.
- 276033.** *ERAGROSTIS ATHERSTONEI* Stapf Poaceae.
Donor's No. 705. Pretoria.
- 276034.** *ERAGROSTIS CAPENSIS* (Thunb.) Trin.
Donor's No. 707. Piketberg, Cape Province.
- 276035.** *ERAGROSTIS CHALCANTHA* Trin.
Donor's No. 706. Porterville, Cape Province.
- 276036.** *ERAGROSTIS CHLOROMELAS* Steud. Boer lovegrass.
Donor's No. 708. From Iowa, U.S.A.
- 276037 to 276040.** *ERAGROSTIS CURVULA* (Schrad.) Nees Weeping lovegrass.
- 276037.** Donor's No. 709. Ermelo, Transvaal.
- 276038.** Donor's No. 710. Witbank, Transvaal.
- 276039.** Donor's No. 711. Dohne.
- 276040.** Donor's No. 712. Middelburg, Cape Province.
- 276041 and 276042.** *ERAGROSTIS CURVULA* var. *CONFERTA* Nees
- 276041.** Donor's No. 713. Piketberg, Cape Province.
- 276042.** Donor's No. 714. Porterville, Cape Province.
- 276043.** *ERAGROSTIS CURVULA* var. *VALIDA* Stapf
Donor's No. 715. Rietvlei.
- 276044.** *ERAGROSTIS ECHINOCLOIDEA* Stapf
Donor's No. 716. Upington, Cape Province.
- 276045 to 276048.** *ERAGROSTIS LEHMANNIANA* Nees Lehmann lovegrass.
- 276045.** Donor's No. 717. Murrumbidgee.
- 276046.** Donor's No. 718. Gemsbok Park.
- 276047.** Donor's No. 719. Vaalbank, Orange Free State.
- 276048.** Donor's No. 720. Thabazimbi, Transvaal.
- 276049.** *ERAGROSTIS ROBUSTA* Stent
Donor's No. 721. Worcester, Cape Province.
- 276050.** *ERAGROSTIS SARMENTOSA* (Thunb.) Trin.
Donor's No. 722. DeDoorns.
- 276051.** *ERAGROSTIS SUBULATA* Nees
Donor's No. 723. Dieprivier.
- 276052 to 276055.** *ERAGROSTIS SUPERBA* Peyr.
- 276052.** Donor's No. 724. Northam.
- 276053.** Donor's No. 725. Maquassi.
- 276054.** Donor's No. 726. Vaalbank, Orange Free State.
- 276055.** Donor's No. 727. Fauresmith, Orange Free State.
- 276056.** *ERAGROSTIS TRICHODES* (Nutt.) Wood
Donor's No. 728. From Iowa, U.S.A.

276023 to 276073—Continued

276057. *HORDEUM COMPRESSUM* Griseb. Poaceae.

Donor's No. 729. Karoo.

276058. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. Poaceae.

Donor's No. 730. Rietvlei.

276059. *PANICUM COLORATUM* L. Poaceae.

Donor's No. 731. Makarikari, Bechuanaland.

276060. *PASPALUM NOTATUM* Fluegge Poaceae.

Bahiagrass.

Donor's No. 732. Groenkloof, Pretoria.

276061. *PENNISSETUM NATALENSE* Stapf Poaceae.

Donor's No. 733. Barberton, Transvaal.

276062. *SESAMUM TRIPHYLLUM* Welw. ex Aschers. Pedaliaceae.

Wild type. Horns Nek siding. DL/61/747.

276063. *SORGHUM VERSICOLOR* Anderss. Poaceae.

Black sudangrass.

DL/61/746.

276064 to 276068. *SPOROBOLUS FIMBRIATUS* Nees Poaceae.

276064. Donor's No. 734. Zebrapark.

276065. Donor's No. 735. Kalahari, Bechuanaland.

276066. Donor's No. 736. Prieska, Cape Province.

276067. Donor's No. 737. Rustenburg, Transvaal.

276068. Donor's No. 738. Zebediela, Transvaal.

276069. *TETRACHNE DREGEI* Nees Poaceae.

Donor's No. 739. Grootfontein, Southwest Africa.

276070 to 276072. *THEMEDA TRIANDRA* Forsk. Poaceae.

Rooi grass.

276070. Donor's No. 740. Rietondale.

276071. Donor's No. 741. Grahamstown, Cape Province.

276072. Donor's No. 742. Koolbank.

276073. *TRIFOLIUM BURCHELLIANUM* Seringe Fabaceae.

Donor's No. 743. Cathcart, Cape Province.

276074 to 276101.

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Numbered July 28, 1961.

276074. *ACTINIDIA KOLOMIKTA* (Maxim.) Rupr. ex Maxim. Dilleniaceae.
Kolomikta.

Col. No. 1042. On trees, Shikotsu-san, Hokkaido. Vine with variegated leaves, usually green, white and pink.

276075. *CLINTONIA UDENSIS* Trautv. & Mey. Convallariaceae.

Col. No. 1046. In damp, wooded areas, Shikotsu-yama, Hokkaido. Leaves basal; fruits blue, on long stalks.

276076. *FILIPENDULA KAMTSCHATICA* (Pall.) Maxim. Rosaceae.

Col. No. 1053. In swampy, open fields near Utabetsu, Hidaka, Hokkaido. Leaves opposite; flowers pink, in loose panicles.

276074 to 276101—Continued

- 276077.** *HEMEROCALLIS MIDDENDORFII* Trautv. & Meyer Liliaceae.
Col. No. 1052. On sea cliffs, road to Cape Erimo, Hidaka, Hokkaido. Orange-flowered daylily flowering in late June and early July.
- 276078.** *HEMEROCALLIS THUNBERGII* Baker
Col. No. 1047. Along roadside between Sapporo and Chitose, Hokkaido. Flowers lemon yellow.
- 276079 to 276082.** *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki
Aquifoliaceae.
276079. Col. No. 1044. In forest clearing, Shikotsu, Hokkaido. Elevation 500 meters. Plant pistillate, prostrate.
276080. Col. No. 1045. Cutover area, Shikotsu-san, Hokkaido.
276081. Col. No. 1056. Cutover area, full sun, along Horomon River, Mount Horo, Hidaka, Hokkaido. Prostrate form with small leaves growing as ground cover.
276082. Col. No. 1057. On Horomon, Hidaka, Hokkaido. Elevation 100 meters. Prostrate form with larger leaves than P.I. 276081.
- 276083 and 276084.** *ILEX RUGOSA* Fr. Schmidt.
276083. Col. No. 1040. Growing on trunks of dead trees in cutover land, Shikotsu, Hokkaido. Plants prostrate; leaves rugose.
276084. Col. No. 1058. Groundcover on serpentine rock, in full sun, Horomon, Hidaka, Hokkaido. Plant prostrate; leaves small, rugose; fruit red.
- 276085.** *ILEX SUGEROKII* Maxim. **Sugeroki holly.**
Col. No. 1069. On Mount Apoi, Hokkaido. Elevation 200 meters. Evergreen plant; leaves ovate, shiny.
- 276086.** *IRIS KAEMPFERI* Sieb. Iridaceae. **Japanese iris.**
Col. No. 1054. In swampy, open field near Utabetsu, Hidaka, Hokkaido. Flowers purple.
- 276087.** *LILIUM MACULATUM* Thunb. Liliaceae.
Col. No. 1051. On rocky cliffs near Mount Apoi, Hidaka, Hokkaido.
- 276088.** *LILIUM MEDEOLOIDES* A. Gray **Wheel lily.**
Col. No. 1061. Sunny, moist meadows, Mount Horomon, Hidaka, Hokkaido. Lowest leaves whorled; flowers small, nodding, orange.
- 276089.** *LONICERA CAERULEA* L. Caprifoliaceae. **Sweetberry honeysuckle.**
Col. No. 1072. Loose, serpentine rock, Mount Apoi, Hidaka, Hokkaido. Elevation 785 meters. Plant in wild, prostrate; fruit blue, edible.
- 276090.** *POLYGONUM* sp. Polygonaceae.
Col. No. 1062. Sunny banks along path, Mount Horomon, Hidaka, Hokkaido. Dwarf species growing as a moundlike plant; flowers small, white.
- 276091.** *RHODODENDRON ALBRECHTII* Maxim. Ericaceae. **Albrecht azalea.**
Col. No. 1043. Cutover woods, Shikotsu-san. Elevation 400 meters. Flowers purple.
- 276092.** *RHODODENDRON DAURICUM* L. **Dahurian rhododendron.**
Col. No. 1065. Semishade, rocky areas, Mount Horomon, Hidaka, Hokkaido. Leaves shiny; flowers purple.
- 276093 to 276097.** *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson **Torch azalea.**
276093. Col. No. 1039. Dense woods among bamboo thickets, Shikotsu-san, Hokkaido.

276074 to 276101—Continued**276093 to 276097—Continued**

276094. Col. No. 1059. Sunny places, growing on loose, serpentine rock, Mount Horomon, Hidaka, Hokkaido.

276095. Col. No. 1063. Sunny location, along rocky cliffs above roadway, Mount Horomon, Hidaka, Hokkaido.

276096. Col. No. 1064. Lava-serpentine rock, along walls of streambed, Mount Horomon, Hidaka, Hokkaido.

276097. Col. No. 1071. Loose, serpentine rock, summit of Mount Apoi, Hidaka, Hokkaido. Plant prostrate, twiggy, due to alpine environment; flowers about July 1.

276098. RHODODENDRON sp.

No. data.

276099. ROSA ACICULARIS var. NIPPONENSIS (Crep.) Koehne Rosaceae.
Nippon pricklyrose.

Col. No. 1060. Sunny places, along roadside, Mount Horomon, Hidaka, Hokkaido. Flowers pink; fruits oblong.

276100. SKIMMIA JAPONICA var. REPENS (Nakai) Thunb. Rutaceae.

Col. No. 1041. Ground cover in shady forest, Shikotsu, Hokkaido.

276101. VERATRUM JAPONICUM (Baker) Loes. Melanthiaceae.

Col. No. 1066. Bog plant, Mount Apoi, Hidaka Range, Hokkaido. Flowers dark purplish red on spikes two feet long.

276102. VIGNA SINENSIS (Torner) Savi Fabaceae. **Cowpea.**

From France. Seeds presented by the Laboratoires de Recherche du Service de Sante des Troupes d'Outre-Mer, Marseille. Received August 1, 1961.

276103 and 276104. SOLANUM MELONGENA L. Solanaceae.

Eggplant.

From the Republic of South Africa. Seeds presented by the Department of Agriculture, Durban. Received August 1, 1961.

Bacterial wilt resistant.

276103. 'Kopek'.

276104. 'Motale'.

276105 to 276108. ARACHIS HYPOGAEA L. Fabaceae. **Peanut.**

From the Republic of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria. Received August 1, 1961.

276105. DL/61/790. 'Mwitunde'.

276106. DL/61/791. 'P. 5044 Chilimbana Mayoba'. Seeds large.

276107. DL/61/792. P. 4750 43 G 90a.

276108. DL/61/793. 'White Decumbent'.

276109 to 276115.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received August 1, 1961.

276109 and 276110. CLINTONIA UDENSIS Trautv. & Mey. Convallariaceae.

276109. Col. No. 1050. Damp, shady, conifer forest, Shikotsu, Hokkaido. Plant in wild, liliaceous; leaves basal, fleshy; fruit on long stalks, blue.

276110. Col. No. 1068. Open, boggy areas, Mount Apoi, Hidaka, Hokkaido. Plant in wild, liliaceous; leaves basal; fruit blue, on spikes to 12 inches high.

276109 to 276115—Continued

276111. *HEMEROCALLIS MIDDENDORFII* Trautv. & Meyer Liliaceae.

Col. No. 1070. Heavy muck soil, Mount Apoi, Hidaka, Hokkaido. Elevation 1,300 feet. Plant in wild; flowers clear orange, June.

276112. *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki Aquifoliaceae.

Col. No. 1049. Cutover area, Shikotsu Mountain, Hokkaido. Elevation 1,300 feet. Plant in wild, low growing, evergreen; fruit black.

276113. *IRIS KAEMPFERI* Sieb. Iridaceae. **Japanese iris.**

Col. No. 1055. Wet, open, meadow near Utabetsu, Hidaka, Hokkaido. Plant in wild.

276114. *LONICERA CAERULEA* L. Caprifoliaceae. Sweetberry honeysuckle.

Col. No. 1072. Loose, serpentine rock, Mount Apoi, Hidaka, Hokkaido.

276115. *SAMBUCUS BUERGERIANA* Blume Caprifoliaceae.

Col. No. 1067. Along road, Mount Horomon. Elevation 1,300 feet. Shrub to six feet high in wild; fruit bright red, in heavy terminal clusters, edible.

276116 to 276144.

From Japan. Plants, cuttings and scions collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received August 1, 1961.

276116. *AUCUBA JAPONICA* var. *BOREALIS* Miyabe & Kudo Cornaceae.

Col. No. 1073. Along shady, moist path, Gamushi National Forest, Oshima, Hokkaido. Plant low growing; fruit bright red, ovate.

276117. *CALANTHE DISCOLOR* Lindl. Orchidaceae. **Orchid.**

Col. No. 1080. In Gamushi National Forest, Oshima, Hokkaido. Flowers yellow, on stalk to 10 inches high.

276118 to 276121. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**

276118. Col. No. 1084. 'Beni Tsubake'. Matsumae Castle garden, Matsumae, Hokkaido. Flowers pink, May.

276119. Col. No. 1083. Matsumae Castle garden, Matsumae, Hokkaido. Flowers double, pink.

276120. Col. No. 1085. Matsumae Castle garden, Matsumae, Hokkaido. Flowers double, white.

276121. Col. No. 1086. 'Osotake'. Matsumae Castle garden, Matsumae, Hokkaido. Flowers double, pink, May.

276122. *EUONYMUS JAPONICUS* L. f. Celastraceae. **Evergreen burningbush.**

Col. No. 1087. Matsumae Castle garden, Matsumae, Hokkaido. Evergreen shrub or small tree, usually cultivated in southern Japan.

276123 to 276126. *HEMEROCALLIS MIDDENDORFII* Trautv. & Meyer Liliaceae.

276123. Col. No. 1094. Along seacoast near Esaisi, Oshima, Hokkaido. Flowers yellow.

276124. Col. No. 1095. Along seacoast near Esaisi, Oshima, Hokkaido. Flowers orange.

276125. Col. No. 1096. Along seacoast near Esaisi, Oshima, Hokkaido. Flowers six inches across.

276126. Col. No. 1097. Along seacoast near Esaisi, Oshima, Hokkaido. Several flowers open at one time, in cluster.

276116 to 276144—Continued

276127. *HYDRANGEA SERRATA* f. *ACUMINATA* (Sieb. & Zucc.) Wils.
Hydrangeaceae.
Col. No. 1088. *Cryptomeria* forest, Matsumae, Hokkaido. Fertile and outer sterile florets blue.
- 276128 and 276129. *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki
Aquifoliaceae.
276128. Col. No. 1076. Gamushi National Forest, Oshima, Hokkaido.
A low-growing, evergreen holly; fruit black.
276129. Col. No. 1102. Beech forest, Enosato Regional Forest, Oshima, Hokkaido. Plant prostrate; fruit black.
- 276130 to 276133. *ILEX LEUCOCLADA* Makino.
276130. Col. No. 1098. Semi-shade, beech forest, Enosato Regional Forest, Oshima, Hokkaido. Leaves narrow, ovate; fruit red.
276131. Col. No. 1100. *Cryptomeria* forest along seacoast, Matsumae Forestry Region, Oshima, Hokkaido.
276132. Col. No. 1099. Semi-shade, among beeches, Enosato Regional Forest, Oshima, Hokkaido.
276133. Col. No. 1077. Gamushi National Forest, Oshima, Hokkaido. Evergreen holly; fruit red; Northern limit of distribution.
276134. *ILEX SUGEROKI* Maxim. **Sugeroki holly.**
Col. No. 1103. On Mount Esan, Hakkodate, Hokkaido. Plants to four feet high in this locality.
276135. *LILIUM MEDEOLOIDES* A. Gray Liliaceae. **Wheel lily.**
Col. No. 1078. Gamushi National Forest, Oshima, Hokkaido. Flowers orange, either with or without small dark spots.
- 276136 to 276140. *PRUNUS SERRULATA* Lindl. Amygdalaceae.
Oriental flowering cherry.
Matsumae Castle garden, Matsumae, Hokkaido.
276136. Col. No. 1090. 'Matsumae Hiyazaki'. Flowers double, pink.
276137. Col. No. 1089. 'Tao Yamae Zakura'. Flowers double, light purple.
276138. Col. No. 1091. 'Okuruma Gaishi'. Flowers double, pink.
276139. Col. No. 1092. Flowers double, pink.
276140. Col. No. 1093. Flowers double, light pink.
- 276141 and 276142. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson Ericaceae.
276141. Col. No. 1081. Gamushi National Forest, Oshima, Hokkaido. Flowers red.
276142. Col. No. 1106. Along streambed, Mount Esan, Hakkodate, Hokkaido.
- 276143 and 276144. *SKIMMIA REPENS* Nakai Rutaceae.
276143. Col. No. 1079. Gamushi National Forest, Ashima, Hokkaido. Evergreen species; fruit red, in clusters. This is northern limit of distribution.
276144. Col. No. 1101. Among beeches, Enosato Regional Forest.
276145. *CERCIS SILIQUASTRUM* L. Caesalpiniaceae. **Judas-tree.**
From Israel. Seeds presented by the Department of Horticulture, Ministry of Agriculture, Jerusalem. Received August 2, 1961.
Plants in wild in maqui.

276146 to 276153. GOSSYPIUM BARBADENSE L. Malvaceae.
Sea-island cotton.

From Bolivia. Seeds presented by the United States Operations Mission, LaPaz. Received August 3, 1961.

Carapari del Rio Grande, Province Oropeza, Dept. de Chuquisaca. Elevation 2,000 meters. In dry, tropical area.

276146. No. 1. Cotton white.

276147. No. 2. Cotton brownish.

276148. No. 3. Sotomayor, Province de Yamparaez, Dept. de Chuquisaca. Elevation 2,300 meters. Area subtropical, dry. Cotton white.

276149. No. 4. Tomina, Province de Tomina, Dept. de Chuquisaca. Elevation 2,500 meters. Area subtropical, dry. Cotton white.

276150. No. 5. San Pedro, Province Azurduy, Dept. de Chuquisaca. Elevation 2,000 meters. Area subtropical, dry. Cotton white.

276151. No. 6. Soroma, Province Zudanez, Dept. de Chuquisaca. Elevation 2,000 meters. Area tropical, dry. Cotton white and brownish.

276152. No. 7. Naranjito, Province Nuplo de Chavez. Elevation 700 meters. Cotton white.

276153. No. 8. El Torno, San Javier, Santa Cruz. Elevation 700 meters. Cotton white.

276154. ORYZA SATIVA L. Poaceae. Rice.

From Surinam. Seeds presented by H. den Have, Nickerie. Received August 3, 1961.

276155. BISERRULA PELECINUS L. Fabaceae.

From Israel. Seeds presented by the Agricultural Research Service, Rehovot. Received August 3, 1961.

Collected near Yechiam. Soil heavy alluvium; average annual rainfall 900 mm.

276156 to 276158.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 3, 1961.

276156. *HIBISCUS FARRAGEI* F. Muell. Malvaceae.

276157. *HIBISCUS HUEGELII* Endl.

276158. *HIBISCUS TOLDSWORTHII* F. Muell.

276159 to 276165.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received August 3, 1961.

276159 and 276160. *AUCUBA JAPONICA* var. *BOREALIS* Miyabe & Kudo
 Cornaceae.

276159. Col. No. 1074. Gamushi National Forest, Oshima, Hokkaido. Plant in wild, low growing, at the northern limit of distribution.

276160. Col. No. 1107. Beech forest, Enosoto Forest Region, Oshima, Hokkaido.

276161. *DAPHNE MIYABEANA* Makino Thymelaceae.

Col. No. 1075. Gamushi National Forest, Oshima, Hokkaido. Dwarf evergreen in wild; fruit in pairs, bright red.

276159 to 276165—Continued

276162. ILEX CRENATA ssp. RADICANS (Nakai) Tatewaki Aquifoliaceae.

Col. No. 1105. Open mountain meadow, highly sulphureous area, Mount Esan, Hakkodate, Hokkaido. Plant in wild.

276163 and 276164. ILEX SUGEROKII Maxim. **Sugeroki holly.**

276163. Col. No. 1103. Highly sulphureous soil, Hakkodate, Hokkaido. Elevation 400 meters. Plant in wild, growing to four feet high.

276164. Col. No. 1104. Open alpine meadow, Mount Esan, Hakkodate, Hokkaido. Elevation 400 meters. Plant in wild.

276165. PRUNUS sp. Amygdalaceae.

Col. No. 1082. Gamushi Forest Station, Oshima, Hokkaido. Cultivated cherry raised from seed; fruits black, size of small commercial variety.

276166 to 276177. SACCHARUM (hybrids). Poaceae. **Sugarcane.**

From India. Cuttings presented by the Sugar Cane Breeding Institute, Coimbatore. Received August 3, 1961.

276166. SES 33. **276172.** SES 96C.

276167. SES 44A. **276173.** SES 120A.

276168. SES 80B. **276174.** SES 129C.

276169. SES 73. **276175.** SES 135.

276170. SES 85B. **276176.** SES 288.

276171. SES 85C. **276177.** SES 309.

276178 to 276180. SACCHARUM (hybrids). Poaceae. **Sugarcane.**

From Pakistan. Cuttings presented by the Fauji Sugar Mills Farm, Nukarji, Tando Mohd, Khan. Received August 3, 1961.

276178. CO-421.

276179. CO-421.

276180. CO-421.

276181. PRUNUS PERSICA (L.) Batsch Amygdalaceae. **Peach.**

From New Zealand. Trees presented by the Fruit Research Section, Scientific and Industrial Research Division, Auckland. Received August 8, 1961.

'Black Boy'.

276182 to 276185. PHASEOLUS LATHYROIDES L. Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 8, 1961.

276182. No. 1.

276183. No. 2. Beemah, Queensland.

276184. No. 3. C.P.I. 17032. From New Guinea.

276185. No. 4. Samford, Queensland.

276186 to 276191.

From Great Britain. Plants presented by N. T. Hollerith, Caernarvonshire, Wales. Received July 18, 1961. Numbered August 8, 1961.

276186. ASPLENIUM TRICHOMANES L. Polypodiaceae.

276187. BLECHNUM SPICANT With. Polypodiaceae.

276186 to 276191—Continued

276188 to 276190. POLYPODIUM VULGARE L. Polypodiaceae.

276188. "A".

276189. "B".

276190. "C".

276191. (Undetermined.) Polypodiaceae.

276192. DEGENERIA VITIENSIS I. W. Bail. & A. C. Smith
Degeneriaceae.

From Fiji. Seeds presented by the Department of Agriculture, Suva. Numbered August 8, 1961.

276193. FESTUCA RUBRA var. HETEROPHYLLA (Lam.) Mutel
Poaceae.

From Yugoslavia. Seeds held in storage at the Regional Plant Introduction Stations, Ames, Iowa, and Geneva, New York. Numbered August 10, 1961.

A component of P.I. 251135, *F. ovina* var. *duriscula*.

276194 to 276235.

From Brazil, unless otherwise noted. Plants collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered August 8, 1961.

276194. ARACHIS GUARANITICA Chod. & Hasse. Fabaceae. **Peanut.**

Col. No. 87. One km. north of the Rio Amambay, Ponta Pora-Amambay road. Erect perennial in wild; leaves trifoliate; roots tuberous.

276195 to 276197. ARACHIS LUTESCENS Krapovickas & Rigonia. **Peanut.**

276195. Col. No. 15. Growing among stones, base of hill near Rio Piracanjuba, between Morrinhos and Caldas Novas, Goias. Prostrate perennial in wild; roots tuberous.

276196. Col. No. 17. Growing among stones near gully leading into stream, road between Caldas and Piracanjuba, Goias.

276197. Col. No. 18. Sandy, stony roadside, near stream, between Rio Piracanjuba and Piracanjuba, road from Caldas Novas. Prostrate perennial, in wild; roots tuberous.

276198. ARACHIS MARGINATA Gardn. **Peanut.**

Col. No. 36. Deep sandy soil, grassy basin, 30 km. east of Dianopolis, Goias. Erect perennial in wild; pegs horizontal; roots like *A. prostrata*, highly individualistic, tuberous; leaves strongly margined.

276199. ARACHIS REPENS Handro **Peanut.**

Col. No. 49. From area sometimes inundated by water. Presented by the Experiment Station, Instituto Agronomico de Oeste, Sete Lagoas, Minas Gerais. Prostrate perennial in wild, in dense mats, rooting from the nodes; taprooted; flowers lemon yellow; fruits rare.

276200. ARACHIS sp.

Col. No. 2. Deep red soil, Palnura, Minas Gerais, across the Rio Grande from Minas Gerais Triangulo. Rhizomatous perennial in wild.

276201. ARACHIS sp.

Col. No. 3. Rio Perepati, Bolivia. Prostrate perennial in wild; taprooted.

276194 to 276235—Continued

276202. ARACHIS sp.

Col. No. 5. Dark red soil, Campinopolis, near Ituiutaba, Minas Gerais. Rhizomatous perennial in wild.

276203. ARACHIS sp.

Col. No. 6. Pondsides, in volcanic muck and gravel, Fazenda Santa Teresinha, near Campinopolis, Minas Gerais. Prostrate perennial in wild; roots tuberous.

276204. ARACHIS sp.

Col. No. 11. Deep red soil, Mato Cerrado near Stumbiara Goias. Delicate wild perennial; stem single, erect; leaves wooly; roots tuberous.

276205. ARACHIS sp.

Col. No. 25. Heavy clay bottom land, near stream, 10 km. from Trairas River, 15 km. south of Niquelandia, Goias. Prostrate perennial in wild; roots tuberous.

276206. ARACHIS sp.

Col. No. 26. Heavy clay soil, near stream, 3 km. south of the Rio Maranhao, Niquelandia-Corumba road, Goias. Prostrate perennial in wild; roots tuberous, rooting from pegs.

276207. ARACHIS sp.

Col. No. 33. Grassy meadow, near trees and small lake, 15 km. south of Ceres, Goias-Anapolis road. Prostrate perennial in wild; roots tuberous.

276208. ARACHIS sp.

Col. No. 65. Sandy red soil, 10 km. west of Douradinha, Mato Grosso. Erect perennial in wild.

276209. ARACHIS sp.

Col. No. 70. Sandy red soil, 45 km. west of Douradinha, Mato Grosso. Erect perennial in wild.

276210. ARACHIS sp.

Col. No. 72. Sandy red soil, 40 km. east of Entrecamieto. Erect perennial in wild.

276211. ARACHIS sp.

Col. No. 73. Sandy red soil 9 km. east of Entrecamieto, Mato Grosso, Porto XV Noviembre-Rio Brillante road. Perennial in wild; leaf margins strong.

276212. ARACHIS sp.

Col. No. 74. Heavy red soil, among scattered trees, 5 km. southwest of Rio Brillante, Dourados road, Mato Grosso. Erect perennial in wild.

276213. ARACHIS sp.

Col. No. 75. Five km. southwest of Rio Brillante, Dourados road, Mato Grosso. Rhizomatous perennial in wild.

276214. ARACHIS sp.

Col. No. 76. Heavy red soil, among scattered trees, 5 km. northeast of Dourados, Rio Brillante road, Mato Grosso. Erect perennial in wild.

276215. ARACHIS sp.

Col. No. 77. Heavy red soil, 28 km. southwest of Dourados, Ponta Pora road, Mato Grosso. Erect perennial in wild.

276194 to 276235—Continued**276216. ARACHIS sp.**

Col. No. 78. Heavy red soil, 28 km. southwest of Dourados, Ponta Pora road, Mato Grosso. Rhizomatous perennial in wild; branches short, erect; leaves appressed to soil; rhizomes shallow.

276217. ARACHIS sp.

Col. No. 79. In high grass, bordering open trees, Finca Elvira, 43 km. northwest of Ponta Pora, Mato Grosso. Rhizomatous perennial in wild; branches erect; leaves appressed to soil; flowers yellow with orange border on standard; rhizomes shallow.

276218. ARACHIS sp.

Col. No. 80. Heavy red soil, in high grass bordering trees, Estancia San Luis, 40 km. northwest of Ponta Pora. Rhizomatous perennial in wild; branches erect; leaves appressed to soil; rhizomes shallow.

276219. ARACHIS sp.

Col. No. 81. Heavy red soil, in high grass bordering trees, Estancia San Luis, 40 km. northwest of Ponta Pora. Rhizomatous perennial in wild; branches erect; leaves appressed to soil; rhizomes shallow.

276220. ARACHIS sp.

Col. No. 82. In grass, bordering shrubs and trees, near Estancia San Luis, 40 km. northwest of Ponta Pora. Erect perennial in wild.

276221. ARACHIS sp.

Col. No. 83. In grass, bordering shrubs and trees, near Estancia San Luis, 40 km. northwest of Ponta Pora. Rhizomatous perennial in wild; branches ascending.

276222. ARACHIS sp.

Col. No. 84. Deep red soil, one km. north of Rio Amambay, Ponta Pora road. Rhizomatous perennial in wild; branches erect; leaves appressed to soil; rhizomes shallow.

276223. ARACHIS sp.

Col. No. 85. Deep red soil, one km. north of Rio Amambay, Ponta Pora road. Rhizomatous perennial in wild; branches semi-ascending; rhizomes shallow.

276224. ARACHIS sp.

Col. No. 86. Deep red soil, one km. north of Rio Amambay, Ponta Pora road. Rhizomatous perennial in wild; branches ascending.

276225. ARACHIS sp.

Col. No. 89. Sandy red soil, 48 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild; taprooted.

276226. ARACHIS sp.

Col. No. 90. Sandy red soil, 48 km. west of Ponta Pora, Concepcion road, Paraguay. Rhizomatous perennial in wild.

276227. ARACHIS sp.

Col. No. 91. Sandy red soil, in meadow, 54 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild.

276228. ARACHIS sp.

Col. No. 92. Sandy red soil, 62 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild.

276229. ARACHIS sp.

Col. No. 94. Sandy red soil, 70 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild.

276194 to 276235—Continued

276230. *ARACHIS* sp.

Col. No. 96. Sandy white soil, 2 km. west of Nu Pora, Concepcion road, Paraguay. Erect perennial in wild.

276231. *ARACHIS* sp.

Col. No. 97. Sandy red soil, Nu Pora, 100 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild.

276232. *ARACHIS* sp.

Col. No. 99. Sandy red soil, Nu Para, 100 km. west of Ponta Pora, Paraguay. Erect perennial in wild.

276233. *ARACHIS* sp.

Col. No. 101. Sandy red soil, 10 km. west of Harqueta, Ponta Pora-Concepcion road, Paraguay. Rhizomatous perennial in wild.

276234. *ARACHIS* sp.

Col. No. 102. In closely grazed pasture, 2 km. northeast of Concepcion, Paraguay, at edge of suburbs. Prostrate perennial in wild; leaves small; flowers with orange standards; taproot.

276235. *ARACHIS* sp.

Col. No. 103. Dense mats in dark sandy loam, over limestone, football field and along railroad, Puerta Casado, Paraguay. Prostrate perennial in wild; standards orange; pegs horizontal; leaves lanceolate; taproot.

276236 to 276238. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Tanganyika. Cuttings presented by the Tanganyika Planting Company, Limited, Moshi. Received August 8, 1961.

276236. CO. 421.

276237. CO. 421.

276238. CO. 421.

276239. ALLIUM SATIVUM L. Liliaceae.**Garlic.**

From Chile. Bulbs presented by the United States Operations Mission, Santiago. Received August 9, 1961.

276240 to 276255.

From Uruguay. Seeds collected by Eduardo Bello, Montevideo, and presented by G. W. Burton, Tifton, Georgia. Numbered August 9, 1961.

276240 and 276241. *PASPALUM ALMUM* Chase Poaceae.

276240. Col. No. P-1.

276241. Col. No. P-2.

276242 and 276243. *PASPALUM CROMYORRHIZON* Trin. ex Doell

276242. Col. No. P-3.

276243. Col. No. P-4.

276244 and 276245. *PASPALUM DISTICHUM* L.

276244. Col. No. P-6.

276245. Col. No. P-7.

276246 and 276247. *PASPALUM GUARANITICUM* Parodi

276246. Col. No. P-10.

276247. Col. No. P-11.

276240 to 276255—Continued**276248 and 276249.** PASPALUM NICORAE Parodi

276248. Col. No. P-18.

276249. Col. No. P-19.

276250 and 276251. PASPALUM NOTATUM Fluegge**Bahiagrass.**

276250. Col. No. P-16.

276251. Col. No. P-17.

276252. PASPALUM PANICULATUM L.

Col. No. P-21.

276253. PASPALUM PLICATULUM Michx.**Blackgrass.**

Col. No. P-23.

276254. PASPALUM QUADRIFARIUM Lam.

Col. No. P-27.

276255. PASPALUM URVILLEI Steud.**Vaseygrass.**

Col. No. P-30.

276256. MALUS SYLVESTRIS Mill. Malaceae.

From the Republic of South Africa. Cuttings presented by the Botanic Gardens, Pietermaritzburg, Natal. Received August 10, 1961.

'Tropical Beauty'.

276257 to 276273.

From Hong Kong. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Numbered August 10, 1961.

276257. RHODODENDRON FARRERAE Tate ex Sweet Ericaceae.

From Victoria peak. Cuttings.

276258 and 276259. RHODODENDRON SIMSII Planch.

From the Hong Kong Botanic Garden. Cuttings.

276258. Early flowering.**276259.** Late flowering.**276260 to 276273.** ELEOCHARIS DULCIS (Burm. f.) Trin. Cyperaceae.**Walnut.**

Corms of selected types from Dept. of Agriculture and Forestry, North Kowloon Magistracy, Taipo Road.

276260. No. 1. From Lee Hou.**276261.** No. 2. From Tam Cheung, Matin Village Yuen Long.**276262.** No. 3. From Jan Jubg, Tai Tong Village, Yuen Long.**276263.** No. 4. From Ho Sun Wah.**276264.** No. 5. From Tung Chun Co., Pak Sha Village, Yuen Long.**276265.** No. 6. From Kwong Sang Cheong Co., Ma Tin Village, Yuen Long.**276266.** No. 7. From Mr. Lau Kwai Woo, Pak Sha Village, Yuen Long.**276267.** No. 8. From Mr. Kwok Yau Lun, Pak Sha Village, Yuen Long.**276268.** No. 9. From Chan Wan, Pak Sha Village, Yuen Long.

276274 to 276297—Continued

276292 and 276293. *RHODODENDRON TANAKAE* (Maxim.) Ohwi
Mount Komagatake, Hakone.

276292. Col. No. 899.

276293. Col. No. 899A. Cuttings.

276294. *RHODODENDRON WADANUM* Makino

Col. No. 902. Mount Kamiyama, Hakone.

276295 and 276296. *ROSA HIRTULA* (Regel) Nakai Rosaceae.

276295. Col. No. 905. Mount Komagatake, Hakone.

276296. Col. No. 906. Mount Kamiyama, Hakone.

276297. *ROSA LUCIAE* var. *FUJISANENSIS* Makino

Col. No. 900. Mount Komagatake, Hakone.

276298. *PHASEOLUS VULGARIS* L. Fabaceae.

From the United States. Seeds presented by Robson Quality Seeds, Incorporated, Hall, New York. Received August 10, 1961.

'Indian'. Strong climbing pole bean. Origin unknown but known as 'Indian' bean for many years. Seeds small, roundish, mottled, dark brown on light tan.

276299. *MALUS SYLVESTRIS* Mill. Malaceae.

From New Zealand. Scions presented by the Scientific and Industrial Research Organization, Plant Disease Division, Auckland. Received August 11, 1961.

'Freyberg'. "Distribution restricted. Patent rights are held by the New Zealand Fruitgrowers' Federation Limited and no distribution should be made without prior permission".

276300. *ALLIUM* sp. Liliaceae.

From Iran. Bulbs presented by Mr. Beckman, address unknown. Collected in Elburs Mountains, about 40 km. northeast of Tehran. Elevation 2,300 meters. Received August 14, 1961.

276301 to 276316.

From Brazil, unless otherwise noted. Seeds collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered August 14, 1961.

276301 and 276302. *ARACHIS GLABRATA* Benth. Fabaceae.

276301. Col. No. 61A. In limestone loam, outskirts of Corumba, Mato Grosso. Semi-erect perennial in wild; flower standards orange, wings yellow; pegs shortened, located near main axis.

276302. Col. No. 61B. Location same as P.I. 276301. Prostrate perennial in wild; flower standards orange; wings yellow; pegs normal length, semihorizontal.

276303 to 276306. *ARACHIS GLABRATA* var. *HAGENBECKII* (Harms)
F. J. Hermann

276303. Col. No. 52. Deep sandy loam near Xovatina, Mato Grosso. Erect perennial in wild; taproot fleshy.

276304. Col. No. 54. In heavy soil, 48 km. north of Campo Grande, road to Cuiaba, Mato Grosso. Erect perennial in wild; taprooted.

276301 to 276316—Continued**276303 to 276306—Continued**

276305. Col. No. 55. Soil sandy, 54 km. north of Campo Grande, road to Cuiaba, Mato Grosso. Erect, pubescent, perennial in wild; taprooted.

276306. Col. No. 60. Wet, alkaline soil, airport, Corumba, Mato Grosso. Erect perennial in wild; flowers in crown and branches; taprooted.

276307 and 276308. ARACHIS LUTESCENS Krapovickas & Rignonia

276307. Col. No. 19. Sandy roadside, near stream, between Rio Piracanjuba and Piracanjuba, Caldas Novas road. Prostrate perennial in wild; roots tuberous. Seeds from P.I. 276197.

276308. Col. No. 59. Ten km. north of Cuiaba, Rosaria Oeste road, Mato Grosso. Prostrate perennial in wild; flowers red veined on back of standards; roots tuberous.

276309. ARACHIS sp.

Col. No. 7. Pondsides, in volcanic muck and gravel, Fazenda Santa Teresinha, near Campinopolis, Minas Gerais. Prostrate perennial; roots tuberous. Seeds from P.I. 276203.

276310. ARACHIS sp.

Col. No. 12. Deep red soil, Mato Cerrado, near Stumbiara, Goias. Delicate perennial in wild; stem single, erect; leaves woolly; roots tuberous. Seeds from P.I. 276204.

276311. ARACHIS sp.

Col. No. 34. In meadow near lake, 15 km. south of Ceres, Goias-Anapolis road. Prostrate perennial in wild; roots tuberous.

276312. ARACHIS sp.

Col. No. 39. Between Barreiras and Brasilia. Prostrate perennial in wild; veins on back of standards red; roots tuberous; pegs with roots.

276313. ARACHIS sp.

Col. No. 50. Red sandy soil, 6.5 km. from ferry, Rio Pardo, Gataguaca-Xovatina road, Mato Grosso. Erect perennial in wild; roots tuberous.

276314. ARACHIS sp.

Col. No. 51. Deep sandy loam, near Xovatina, Mato Grosso. Erect perennial in wild; taprooted and tuberous rooted.

276315. ARACHIS sp.

Col. No. 53. Near meat packing plant, 7 km. south of Campo Grande, Mato Grosso. Erect perennial in wild; taprooted.

276316. ARACHIS sp.

Col. No. 56. In gravel, 190 km. north of Campo Grande, road to Cuiaba, Mato Grosso. Plant in wild.

276317 to 276323.

From the Republic of South Africa. Plants purchased from Starke-Ayres, Mowbray, Cape Province. Received August 15, 1961.

276317 to 276320. HIBISCUS SYRIACUS L. Malvaceae. Shrub-althea.

276317. 'La Fleur'. **276319.** 'Mauve Queen'.

276318. 'Leopoldii Plena'. **276320.** 'Snow Queen'.

276321. HOLMSKIOLDIA SANGUINEA Retz. Verbenaceae.

'Apricot'.

276322. HOLMSKIOLDIA SPECIOSA Hutch. & Corb.**276323. MALVAISCUS sp. Malvaceae.**

276324 to 276327.

From Norway. Seeds presented by the Norges Landbrukshogskole, Vollebekk. Received August 16, 1961.

276324. *ALLIUM CEPA* L. Liliaceae. **Onion.**

'Rijnsburger St. 240'. Bulb yellow skinned, early maturing, keeping qualities good. Commonly used for direct field planting. Originally from Denmark.

276325. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

'Nantes Ndr. Munkegaard II'. Forced in cold frames and plastic houses and used for bunching and winter storage. Originally from Denmark.

276326. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

'Norderas Busk'. Early bush tomato; fruits smooth, uniform ripening.

276327. *PHASEOLUS VULGARIS* L. Fabaceae.

'Carlos Favorit' (Syn: 'Ohlseni'). A green snap bean; seeds black. Originally from Denmark.

276328 to 276337.

From Brazil, Paraguay and Peru. Seeds collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received August 16, 1961.

From Paraguay unless otherwise noted.

276328 to 276330. *ANNONA CHERIMOLA* Mill. Annonaceae. **Cherimoya.**

276328. Col. No. 107. Purchased in Juliaca, Peru. Plant cultivated; fruit small, semismooth.

276329. Col. No. 108. Purchased in Cajamarca, Peru. Plants cultivated; fruits mixed types.

276330. Col. No. 109. Purchased in Cajamarca, Peru. Plant cultivated; fruits large, knobby.

276331. *ANNONA* sp.

Col. No. 71. Red soil, 50 km. east of Entrecamiento, Mato Grosso, Porto XV Novembre road, Brazil. Low evergreen shrub in wild; flowers pale pink, fleshy; fruits large, many seeded.

276332. *ANNONA* sp.

Col. No. 93. Red soil, Arroyo Ypita V, 64 km. west of Ponta Pora. Low evergreen shrub in wild; leaves stiff; flowers pale pink, fleshy; fruits large, many seeded.

276333. *ANNONA* sp.

Col. No. 98. Sandy soil, Nu Pora, 100 km. west of Ponta Pora, Concepcion road. Low evergreen shrub in wild.

276334. *ANNONA* sp.

Col. No. 100. Red sand, 124 km. west of Ponta Pora, Concepcion road. Low evergreen shrub in wild.

276335 and 276336. *HIBISCUS SABDARIFFA* L. Malvaceae. **Roselle.**

276335. Col. No. 48. Experiment Station, 12 km. east of Sete Lagoas, Minas Gerais, Belo Horizonte road, Brazil. Cultivated annual to 2 meters high; calyces fleshy, brilliant red, used to make a sauce.

276336. Col. No. 13. Between Morrinhos and the Rio Piracanjuba, Goias, Brazil. Annual; cultivated ornamental; flowers purple.

276328 to 276337—Continued

276337. *HIBISCUS FURCELLATUS* Desf.

Col. No. 47. Rocky slope, brown soil; near water, Mendanha, Minas Gerais, Brazil. Perennial herb in wild; leaves light green, pubescent, semicordate; flowers large, pink.

276338. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.

From Great Britain. Budsticks presented by the John Innes Horticultural Institute, Bayfordbury, Hertford, England. Received August 17, 1961.

'Merton's Glory'.

276339 to 276345.

From Hong Kong. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received August 17, 1961.

From the Botanical Garden.

276339. *ILEX ASPRELLA* Champ. ex Benth. Aquifoliaceae.276340. *ILEX PUBESCENS* Hook. & Arn.276341. *ILEX ROTUNDA* Thunb.276342. *ILEX TRIFLORA* var. *VIRIDIS* Loes.276343. *RHODODENDRON SIMSII* Planch. Ericaceae.276344. *SYMPLOCOS CRASSIFOLIA* Benth. Symplocaceae.276345. *SYMPLOCOS LANCIFOLIA* Sieb. & Zucc.276346. *BUXUS MICROPHYLLA* Sieb. & Zucc. Buxaceae.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received August 17, 1961.

'Suffruticosa'. Mount Kosho, Fukuoka Province. Elevation 900 meters.

276347 to 276350. *PRUNUS AVIUM* L. Amygdalaceae.

Sweet cherry.

From Canada. Scions presented by the Agricultural Research Station, Sumnerland, British Columbia. Received August 18, 1961.

276347. 'Ransom'.

276349. 'Rival'.

276348. 'Regina'.

276350. 'Rons'.

276351. *CERATOTHECA TRILOBA* E. Mey. ex Bernh. Pedaliaceae.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received August 21, 1961.

'Lothian'. Transvaal. Strey 3596.

276352 to 276363.

From Bolivia. Seeds presented by the United States Operations Missions, LaPaz. Received August 21, 1961.

276352. *GOSSYPIUM* sp. Malvaceae.

No. 1. S. Ignacio. Cotton dark brown.

276353. *GOSSYPIUM* sp.

No. 2. S. Ignacio. Cotton white.

276354. *GOSSYPIUM* sp.

No. 3. Bud white. Cotton deCorani.

276352 to 276363—Continued**276355. GOSSYPIUM sp.**

No. 4. Santacruz del Valle Ameno, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white; seeds loose.

276356. GOSSYPIUM sp.

No. 5. Apolo, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white, seeds loose.

276357. GOSSYPIUM sp.

No. 6. Santa Catalina, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white; seeds loose.

276358. GOSSYPIUM sp.

No. 7. Aten, Province de Caupolican, Department de La Paz. Elevation 1,100 meters. Cotton white; seeds loose.

276359. GOSSYPIUM sp.

No. 8. Aten, Province de Caupolican, Department de La Paz. Elevation 1,100 meters. Cotton brownish; seeds loose.

276360. GOSSYPIUM sp.

No. 9. Santacruz del Valle Ameno, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton brownish; seeds loose.

276361. GOSSYPIUM sp.

No. 10. Apolo, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton brownish; seeds loose.

276362. GOSSYPIUM sp.

No. 11. Santacruz del Valle Ameno, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white; seeds in clusters.

276363. GOSSYPIUM sp.

No. 12. Apolo, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white; seeds in clusters.

276364 to 276370.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received August 21, 1961.

276364 to 276366. PHASEOLUS AUREUS Roxb. Fabaceae. **Mung bean.**

276364. I.C. 1957.

276365. I.C. 5487.

276366. I.C. 5488.

276367 to 276369. PHASEOLUS CALCARATUS Roxb. Fabaceae.

276367. E.C. 988.

276368. E.C. 2785.

276369. I.C. 2078.

276370. PHASEOLUS AUREUS Roxb. **Mung bean.**

I.C. 21.

276371 to 276376. ZEA MAYS L. Poaceae. **Corn.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received August 21, 1961.

276371. Mex 155-86.

276372. Mex 155-86 × Mex 155-152.

276371 to 276376—Continued

276373. Mex 155-152.
 276374. Mex 155-156.
 276375. Formerly Mex 155.
 276376. P.P.P. × (K6L.2 × Mex 155).

276377 to 276392. PASPALUM DILATATUM Poir. Poaceae.**Dallisgrass.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Original sources indicated. Received August 21, 1961.

276377. C.P.I. 9211. Deodoro, Brazil.
 276378. C.P.I. 11814. Brazil.
 276379. C.P.I. 11824. Brazil.
 276380. C.P.I. 11859. Argentina.
 276381. C.P.I. 11959. Spain.
 276382. C.P.I. 11961. Spain.
 276383. C.P.I. 17230. Maryland, United States of America.
 276384. C.P.I. 21362. Central America.
 276385. C.P.I. 24991. Uruguay.
 276386. C.P.I. 25775. South America.
 276387. C.P.I. 26383. Texas, United States of America.
 276388. C.P.I. 27644. Uruguay.
 276389. C.P.I. 27646. Uruguay.
 276390. C.P.I. 27647. Uruguay.
 276391. C.P.I. 27648. Tacuarembó, Uruguay.
 276392. Q-13. From State Produce Agency, Brisbane.

276393 and 276394. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Denmark. Seeds presented by the Department of Plant Pathology, The Royal Veterinary and Agricultural College, Copenhagen. Received August 21, 1961.

276393. 'Abed 51'.
 276394. 'Weibulls 5323'.

276395 to 276400.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Original sources indicated. Received August 21, 1961.

276395. *AGROPYRON CILIARE* (Trin.) Franch. Poaceae.
 C.P.I. No. 22626. Japan.
 276396. *AGROPYRON KAMOJI* Ohwi
 C.P.I. No. 13471. Sweden.
 276397. *AGROPYRON MAYEBARANUM* Honda
 C.P.I. No. 22627. Japan.

276395 to 276400—Continued

276398. AGROPYRON OBTUSIUSCULUM Lange

C.P.I. No. 9353. Canada.

276399. AGROPYRON RIGIDUM Beauv.

C.P.I. No. 22748. Germany.

276400. AGROPYRON TSUKUSHIENSE (Honda) Ohwi

C.P.I. No. 22628. 'Transiens'. Germany.

276401. ACTINIDIA CHINENSIS Planch. Dilleniaceae. Yang tao.

From New Zealand. Plants presented by the Fruit Research Division, Department of Scientific and Industrial Research, Auckland. Received July 3, 1961.

'Greensill'. FRD No. 6. Plant reportedly good bearer; fruits large, abruptly constricted about one-third of the distance from the apex; flavor superior.

276402 to 276422. COFFEA ARABICA L. Rubiaceae.

Arabian coffee.

From Nyasaland. Seeds presented by the Department of Agriculture, Bvumbwe Agricultural Station, Limbe. Received August 23, 1961.

276402 to 276412. Originally from Kenya.

276402. Dilla and Alghe.

276403. 'Geisha'.

276404. K.S.A. (Kapretwa Series "A").

276405. 'Kents Hybrid'.

276406. Dalle Mixed.

276407. 'Maragogipe'.

276408. 'Mocha'.

276409. Kenya Selected-Clone 33.

276410. SL. 6.

276411. SL. 28.

276412. SL. 34.

276413 to 276420. Originally from Tanganyika.

276413. H. 66.

276414. H. 133.

276415. I. 60.

276416. KP. 128.

276417. KP. 228.

276418. N. 39.

276419. N. 81.

276420. N. 197.

276421 and 276422. Originally from Nyasaland.

276421. Local selection (Probably from Blue Mountain).

276422. Local Arabica.

276423 and 276424. LYCOPERSICON ESCULENTUM Mill.

Solanaceae.

Tomato.

From the Republic of South Africa. Seeds presented by the Horticultural Research Station, Pretoria. Received August 23, 1961.

276423. 'Nelcan'. Selected from a cross between 'San Marzano' and a round-fruited market tomato. Plant vigorous, productive, fusarium wilt resistant; fruit small, short oval, firm, two loculed, uniform dark red.

276424. 'Nelmark'. Selected from a cross between 'San Marzano' and a market type tomato. Plant vigorous, indeterminate, productive, fusarium wilt resistant; fruit small, round to slightly flat, three to four loculed, uniform red.

276425. ORYZA SATIVA L. Poaceae.**Rice.**

From India. Seeds presented by the Rice Research Station, Nagina, Uttar Pradesh. Received August 25, 1961.

Ch 1039.

276426 and 276427. ARACHIS GLABRATA Benth. Fabaceae.

From Brazil. Seeds collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received August 28, 1961.

276426. Col. No. 57. Red gravel marshland, 176 km. north of Sao Lourenco, 60 km. east of Cuiaba, Mato Grosso. Prostrate perennial in wild. Progeny of P.I. 262290.

276427. Col. No. 58. Possible progeny of P.I. 262290.

276428 to 276443.

From the Republic of South Africa. Seeds collected by H. S. Gentry and A.S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered August 28, 1961.

276428. CHRYSANTHEMOIDES MONILIFERA (L.) Norlindh Asteraceae.

Col. No. 18634. Piquetberg Mountain, Cape Province. Plant erect, to 3 feet high; flower rays yellow; achenes baccate.

276429. DIMORPHOTHECA CUNEATA (Thunb.) DC. Asteraceae.

Col. No. 18716. Little Karoo vegetation, Hex River Pass, 30 miles northeast of Worcester, Cape Province. Elevation 2,200 feet. Plant erect, to 40 inches high, resinous, light green, xerophytic; flowers, rays white within, mauve outside; disk yellow; achenes persistent and determinate.

276430 and 276431. DIMORPHOTHECA PLUVIALIS (L.) Moench

276430. Col. No. 18702. Sandy, fallow field 7 miles south of Darling, C.P. Decumbent annual; flower rays white with purple around yellowish disk.

276431. Col. No. 18708. Near sea level, 4.5 miles north of Cape Point Reserve, C.P. Decumbent annual, rather succulent; flowers white, showy; achenes persistent, especially the ray achenes which are relatively numerous and large.

276432. DIMORPHOTHECA SINUATA DC.**Blue-eyed cape-marigold.**

Col. No. 18615. Karoo Gardens. From Little Namaqualand, C.P. Abundant annual flowering in early spring.

276433. DIMORPHOTHECA ZEYHERI Sond.

Col. No. 960. One mile from junction of Phillipstown-Hanover Roads, 5 miles north of Phillipstown, road to Beugerville, C.P. Erect perennial herb to one foot high, branching at base; ray florets white, turning purple at base; disk yellow; fruiting heads drooping.

276428 to 276443—Continued

276434. *OSTEOSPERMUM CALENDULACEUM* L. f. Asteraceae.

Col. No. 18901. Karoo Veld valley, 34 miles southeast of Middelburg, towards Craddock, C.P. Elevation 3,500 feet. Low, decumbent, spreading annual; flowers yellow; heads nodding.

276435. *OSTEOSPERMUM CAULESCENS* Harv.

Col. No. 965. Grassy roadside, and adjacent sandy fields, 2 miles east of Bapsfontein, Bronkhorstspuit District, Transvaal. Erect perennial; stems and fruits well above plant body; ray florets white, with purple striations on lower surface; disk yellow.

276436. *OSTEOSPERMUM CLANDESTINUM* (Less.) T. Norl.

Col. No. 18741. Veld Reserve, Worcester, Cape Province. Procumbent annual; flower rays yellow with brown markings.

276437. *OSTEOSPERMUM DREGEI* (DC.) T. Norl.

Col. No. 18654. Sandy acidic soil, Niewoudtville. Broad, dense perennial to 8 inches high; leafy stems upright; flower rays white.

276438 to 276440. *OSTEOSPERMUM MURICATUM* E. Mey.

276438. Col. No. 942. Roadside 0.5 mile south of Krom River, Richmond-Beaufort West road. Perennial herb with woody base from which numerous stems arise, forming a rounded plant; flowers yellow.

276439. Col. No. 18747. Veld Reserve, Worcester, C.P. Perennial herb cultivated experimentally for sheep range.

276440. Col. No. 19214. Moist bottomland, Kalihari sands, Witsands, Hay Dist., C.P. Plant low, erect.

276441 and 276442. *OSTEOSPERMUM SINUATUM* (DC.) T. Norl.

276441. Col. No. 944. Rocky roadside, 30 miles northeast of Beaufort West, Nilsport road. Shrubby perennial to 1.5 feet high; flowers yellow.

276442. Col. No. 18740. Veld Reserve, Worcester, C.P. Procumbent perennial; rays yellow.

276443. *OSTEOSPERMUM SPINESCENS* Thunb.

Col. No. 946. Silty, sandy, rocky roadside and adjacent fields in acacia karoo, 63 miles east of Beaufort West, road to Aberdeen. Low, stiff, woody shrub; flowers yellow.

276444 and 276445. *CITRULLUS LANATUS* (Thunb.) Mansf.
Cucurbitaceae. **Watermelon.**

From Jordan. Seeds presented by the United States Operations Mission, Amman. Received August 28, 1961.

276444. 'Baladi'.

276445. 'Jadouhi'.

276446 to 276470.

From Italy. Bulbs and tubers collected by G. W. Pittarelli, Crops Research Division, Beltsville, Md. Received August 28, 1961.

276446. *ALLIUM SATIVUM* L. Liliaceae. **Garlic.**

'Molise'.

276446 to 276470—Continued**276447 to 276470. SOLANUM TUBEROSUM L. Solanaceae.****Potato.**

From S. Michele all'Adige, Trento.

276447. No. 220-1.	276459. No. 974-5.
276448. No. 220-1-A.	276460. No. 982-2.
276449. No. 232-2.	276461. No. 1036-1.
276450. No. 278-1.	276462. No. 1024-3.
276451. No. 348-1.	276463. No. 1024-23.
276452. No. 365-7.	276464. No. 1084-1.
276453. No. 560-4.	276465. No. 1100-3.
276454. No. 600-4.	276466. No. 1100-19.
276455. No. 652-5.	276467. No. 1100-25.
276456. No. 834-5.	276468. No. 1100-35.
276457. No. 893-3.	276469. No. 1100-36.
276458. No. 944-2.	276470. No. 1100-41.

276471 and 276472. PYRUS COMMUNIS L. Malaceae.

From France. Budsticks presented by the Station de Recherches Viticoles, Oenologiques et d'Arboriculture Fruitiere, Angers. Received August 28, 1961.

276471. 'Belle Guerandaise P.33'.

276472. 'Le Nain Vert P. 292'.

276473. MALUS SYLVESTRIS Mill. Malaceae.

From Australia. Budsticks presented by W. Fontanini, Merrylands Nursery, Manjimup. Received August 28, 1961.

276474. VIGNA OBLONGIFOLIA A. Rich. Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 29, 1961.

C.P.I. 17855.

276475 to 276484. GOSSYPIUM BARBADENSE L. Malvaceae.**Sea-island cotton.**

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Plants in wild at Saenz Pena, Chaco. Received August 29, 1961.

276475. CE-SP 140.	276480. CE-SP 145.
276476. CE-SP 141.	276481. CE-SP 146.
276477. CE-SP 142.	276482. CE-SP 147.
276478. CE-SP 143.	276483. CE-SP 148.
276479. CE-SP 144.	276484. CE-SP 150.

276485. ORYZA SATIVA L. Poaceae.**Rice.**

From India. Seeds presented by the Indian Council of Agricultural Research, New Delhi. Received August 29, 1961.

'Early Kolpi-70'.

276486 and 276487. ORYZA SATIVA L. Poaceae.**Rice.**

From India. Seeds presented by the Agricultural College and Research Institute, Coimbatore. Received August 29, 1961.

276486. ASD 5.
276487. TKM 6.

276488 to 276494. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Nigeria. Seeds presented by the Regional Research Station, Ministry of Agriculture, Samaru, Zaria. Received August 29, 1961.

276488. LBU 5910. From Ilorin Province. Samaru type, not as common as Castle Cary type.

276489. RBU 592. From Plateau Province. Castle Cary type; most common, upright type in northern Nigeria.

276490. TBU 609. From Niger Province Matavere. Spreading bunch type.

276491. US 5920. From Bornu Province. Natal runner type; testa flesh colored, typical of Nigerian peanuts. Most common in low rainfall areas (under 25 in. per annum).

276492. US 5987. From Bornu Province. Natal runner type; testa red. Common type in dry, northern area.

276493. US 5999. From Bornu Province. 'Makulu Runner'. Testa red, although flesh-colored variants occur. Comparatively rare three-seeded type.

276494. US 59123. From Bornu Province. Indian runner type; testa flesh colored although red variants occur. Grown in drier areas but less common than Natal runner.

276495 to 276542.

From the Republic of South Africa. Seeds presented by the United States Embassy, Pretoria. Received August 29, 1961.

276495 and 276496. CITRUS (hybrids). Rutaceae.

276495. No. 76. 'Barberton Hybrid'.

276496. No. 233. 'Zwoole Hybrid'.

276497. CITRUS (hybrid).

(*C. reticulata* × *C. paradisi*).

No. 365. 'Lomati'. Tangelo.

276498. CITRUS AURANTIFOLIA (Christm.) Swingle

Lime.

No. 299. 'Lydenburg'.

276499 to 276507. CITRUS GRANDIS (L.) Osbeck

Shaddock.

276499. No. 57. 'Stroh Shaddock'.

276500. No. 58. 'Jaarlemoen'.

276501. No. 197. 'Djeroek Pandan Lima'.

276502. No. 198. 'Djeroek Pandan'.

276503. No. 199. 'Djeroek Delima'.

276504. No. 200. 'Djeroek Simanalagi'.

276505. No. 201. 'Djeroek Sinonja'.

276506. No. 202. 'Djeroek Delima Kopjor'.

276507. No. 203. 'Djeroek Balima'.

276508 to 276510. CITRUS LIMON (L.) Burm. f.

Lemon.

276508. No. 42. 'Van Staden'. Skin rough.

276509. No. 235. 'Darras'.

276510. No. 290. 'Limme de Farenza'.

276495 to 276542—Continued

- 276511 to 276518. CITRUS RETICULATA Blanco **Mandarin orange.**
 276511. No. 140. 'Cinnamon Tangerine'.
 276512. No. 204. 'Djeroek Keprok Poenten Mandarin'.
 276513. No. 205. 'Djeroek Siem Mandarin'.
 276514. No. 206. 'Djeroek Djepoen Mardarin'.
 276515. No. 207. 'Djeroek Garoet Mandarin'.
 276516. No. 228. 'Ellendale Naartje'.
 276517. No. 229. 'Fagan Naartje'.
 276518. No. 232. 'Giant Naartje'.
 276519 to 276542. CITRUS SINENSIS (L.) Osbeck **Orange.**
 276519. No. 1. 'Denia'.
 276520. No. 15. 'Bailidge Early'.
 276521. No. 86. 'Tomango'.
 276522. No. 102. 'Knoll'.
 276523. No. 103. 'Boschrand'.
 276524. No. 146. 'Theron'.
 276525. No. 212. 'Mid-Knight'.
 276526. No. 234. 'Addorosa'.
 276527. No. 301. 'Letaba'.
 276528. No. 313. 'Muden'.
 276529. No. 324. 'Chipoli'.
 276530. No. 325. 'Montrose Premier'.
 276531. No. 342. 'Amanzi Blood' (A).
 276532. No. 386. 'Mouton Midseason'.
 276533. No. 389. 'Oom Louis'.
 276534. No. 403. 'Moss Seedless'.
 276535. No. 412. 'Swindon'.
 276536. No. 414. 'Jasi No. 1'.
 276537. No. 415. 'Jasi No. 2'.
 276538. No. 419. 'Klingenberg'.
 276539. No. 421. 'Grobler'.
 276540. No. 488. 'Nooitgedagt'.
 276541. No. 495. 'Robin Hood'.
 276542. No. 538. 'Franse Lemoentjie'.

276543 to 276553.

From the Republic of South Africa. Seeds presented by the Division of Botany, Department of Agricultural Technical Services, Pretoria. Numbered August 30, 1961.

Numbers are from the Northern Regional Research Laboratory, Peoria, Ill.

276543. DIMORPHOTHECA AURANTIACA DC. Asteraceae. **Winter cape-marigold.**

No. 40497.

276544. DIMORPHOTHECA PLUVIALIS (L.) Moench

No. 40492.

276543 to 276553—Continued

276545. *DIMORPHOTHECA SINUATA* DC. **Blue-eyed cape-marigold.**
No. 40023.
276546. *DIMORPHOTHECA* sp.
No. 40490.
276547. *DIMORPHOTHECA* sp.
No. 40491.
276548. *OSTEOSPERMUM CLANDESTINUM* (Less.) T. Norl. **Asteraceae.**
No. 40486.
276549. *OSTEOSPERMUM ECKLONIS* (DC.) T. Norl.
No. 40493.
- 276550 and 276551. *OSTEOSPERMUM SINUATUM* (DC.) T. Norl.
276550. No. 40488.
276551. No. 40489.
276552. *OSTEOSPERMUM MURICATUM* E. Mey.
No. 40487.
276553. *OSTEOSPERMUM PACHYPTERIS* DC.
No. 40498.

276554 to 276560.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For a cooperative program of U.S.D.A. and Longwood Foundation, Inc. Received Sept. 1, 1961.

276554. *ARDISIA CRENATA* Sims **Myrsinaceae.**
Col. No. 1111. Nyta Osamu Garden, Izura, Ibaraki Prefecture. Small evergreen shrub; fruit red. About farthest northern locality as a garden plant.
- 276555 and 276556. *AUCUBA JAPONICA* Thunb. **Cornaceae.**
Japanese aucuba.
276555. Col. No. 818. Subshrub in dense evergreen forest Kaimon-dake, Kagoshima, Kyushu. Elevation 500 meters. Broadleaved evergreen; fruit red, in terminal clusters. Southernmost locality in Kyushu for this species.
276556. Col. No. 1109. Nyta Osamu Garden, Izura, Ibaraki Prefecture. Garden form, leaves variegated.
276557. *DAMNACANTHUS INDICUS* Gaertn. f. **Rubiaceae.**
Col. No. 1108. Nyta Osamu Garden, Izura, Ibaraki Prefecture. Spiny evergreen shrub; fruit red. Probably northern limit of cultivation.
276558. *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki **Aquifoliaceae.**
Col. No. 1112. Swampy, shaded, ravine, foot of Mount Hayachine, Iwate Prefecture. Plant prostrate or procumbent; fruit black. Probably southern limit for this variety at low elevation.
276559. *JUNIPERUS CONFERTA* Parlatores **Pinaceae.** **Shore juniper.**
Col. No. 907. Along Ashiarai, beach, Kita-Ibaraki City, Ibaraki Prefecture. Plant in wild, prostrate, used as ground cover and for beach erosion control.
276560. *PIERIS JAPONICA* (Thunb.) G. Don **Ericaceae.** **Japanese pieris.**
Col. No. 1110. Growing around small pond near Taira, Ibaraki Prefecture. Ericaceous shrub in wild; flowers terminal, in pendant racemes.

276561 and 276562. ELETTARIA CARDAMOMUM (L.) Maton
Zingiberaceae. Cardamom.

From India. Rhizomes presented by the Indian Agricultural Research Institute, New Delhi. Received Sept. 1, 1961.

Grown at Kudur, South India.

276561. 'Malabar'.

276562. 'Mysore'.

276563 and 276564.

From Uruguay. Seeds presented by the Instituto Inter-Americano de Cloncias Agrícolas, Montevideo. Received Sept. 5, 1961.

276563. PASPALUM DILATATUM Poir. Poaceae. **Dallisgrass.**

276564. PASPALUM URVILLEI Steud. **Vaseygrass.**

276565. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Tanganyika. Cuttings presented by the Tanganyika Planting Company Limited, Moshi. Received Sept. 6, 1961.

CO. 421.

276566. AGROPYRON JUNCEUM (L.) Beauv. Poaceae.

From France. Seeds presented by the Jardin des Plantes, Rue Auguste-Broussonet, Montpellier. Received Sept. 6, 1961.

276567. MALUS SYLVESTRIS Mill. Malaceae.

From Israel. Scions presented by the Horticultural Institute, Beit Dagan. Received Sept. 6, 1961.

'Orleans'.

276568 and 276569. CLEMATIS VITICELLA L. Ranunculaceae.
Italian clematis.

From Sweden. Plants purchased from Erik Lacks Plantskola, Ronninge. Received Sept. 6, 1961.

276568. 'Carmencita'.

276569. 'Sanguinea Grandiflora'.

276570 to 276572. ALLIUM SATIVUM L. Liliaceae. Garlic.

From Peru. Bulbs presented by the Servicio de Investigacion y Promocion Agraria, Lima. Received Sept. 7, 1961.

276570. 'Dog Foot'. Grown along the coast.

276571. White variety. Grown along the coast.

276572. Red variety. From Arequipa.

276573. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From Italy. Seeds presented by the Food and Agricultural Organization of the United Nations, Rome. Received Sept. 7, 1961.

FAO No. 9479. Originally from Agricultural Research Station, Bogor, Indonesia.

276574 to 276577. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Bureau of Sugar Experiment Station, Brisbane, Queensland. Received Sept. 11, 1961.

276574. Q-69.

276576. Q-72.

276575. Q-71.

276577. Q-73.

276578 to 276649.

From Greece. Seeds presented by the Hellenic Agricultural Research Institute, Larissa. The letter "M" for Matricule is the donor's. Received Sept. 11, 1961.

276578 to 276608. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

From Australia, unless otherwise noted.

276578. M-4849. 11059.	276593. M-4885. 11063.
276579. M-4850. 12356.	276594. M-4886. 11308.
276580. M-4851. 12352.	276595. M-4887. 12357.
276581. M-4852. 11061.	276596. M-4888. 12354.
276582. M-4853. 12383.	276597. M-6387.
276583. M-4856. 12766.	276598. M-7169. C. 476.
276584. M-4857. 12355.	276599. M-7170. 17497.
276585. M-4858. I.P. 6 9184.	276600. M-7171. 17498.
276586. M-4860. N.174 1951.	276601. M-7172. 17499.
276587. M-4861. 12356.	276602. M-7173. 17500.
276588. M-4863. 11060.	276603. M-7174. 17501.
276589. M-4864. 12353.	276604. M-7175. 17502.
276590. M-4871. 11062.	276605. M-7177. 19953.
276591. M-4873. 12768.	276606. M-7178. 19954.

276592. M-4884. 12769.

276607. M-8043. No. 64. A Crop 1959.

From Israel.

276608. M-8044. No. B-4. A Crop 1959.

From Israel.

276609. *SESAMUM* sp.

M-4295. From Sophades-Karditsa.

276610. *SESAMUM* sp.

M-4317. From Rhodos. Seeds white.

276611. *SESAMUM* sp.

M-4324. From Rhodos.

276612. *SESAMUM* sp.

M-4363. From Paros.

276613. *SESAMUM* sp.

M-4376. From Katavia, Rhodos.

276614. *SESAMUM* sp.

M-4424. From Rhodos.

276615. *SESAMUM* sp.

M-4602. From Palama, Karditsa.

276616. *SESAMUM* sp.

M-4612. From Atalanti, Lamia.

276617. *SESAMUM* sp.

M-4613. From Molos Lamia. Seed white.

276578 to 276649—Continued

276618. *SESAMUM* sp.

M-4614. From Atalanti, Lamia. Seed white.

276619. *SESAMUM* sp.

M-4615. From Samos.

276620. *SESAMUM* sp.

M-4616. From Agrinion.

276621. *SESAMUM* sp.

M-4617. From Kythnos.

276622. *SESAMUM* sp.

M-4618. From Gastouni.

276623. *SESAMUM* sp.

M-4619. From Gastouni.

276624. *SESAMUM* sp.

M-4620. From Gastouni.

276625. *SESAMUM* sp.

M-4621. From St. Helius, Aetolia.

276626. *SESAMUM* sp.

M-5353. From Agrinion.

276627. *SESAMUM* sp.

M-5354. From Amphiklia, Lamia.

276628. *SESAMUM* sp.

M-5404. From Samos.

276629. *SESAMUM* sp.

M-5571. From Elasson, Larissa.

276630. *SESAMUM* sp.

M-5597. From Rhodos.

276631. *SESAMUM* sp.

M-5922. From New Orynthos, Khalkidiki.

276632. *SESAMUM* sp.

M-6043. N.P. 6. India.

276633. *SESAMUM* sp.

M-6277. From Grijano, Trikala.

276634. *SESAMUM* sp.

M-6402. From Phtiotis.

276635. *SESAMUM* sp.

M-6403. From Beotia.

276636. *SESAMUM* sp.

M-6404. From Khalkidiki.

276637. *SESAMUM* sp.

M-6405. From Evinochorion Aetolia.

276638. *SESAMUM* sp.

M-6425. From Messara, Kreta.

276578 to 276649—Continued**276639.** *SESAMUM* sp.

M-6665. N.P. 6. 1956. From India.

276640. *SESAMUM* sp.

M-6811. From New Maditos, Thessaloniki.

276641. *SESAMUM* sp.

M-6812. From Vergini, Imathia.

276642. *SESAMUM* sp.

M-7087. N.P. 3. From India.

276643. *SESAMUM* sp.

M-7088. N.P. 6. From India.

276644. *SESAMUM* sp.

M-7089. N.P. 7. From India.

276645. *SESAMUM* sp.

M-7090. T. 85. From India.

276646. *SESAMUM* sp.

M-7728. No. 45. From Israel.

276647. *SESAMUM* sp.

M-7729. No. 77. From Israel.

276648. *SESAMUM* sp.

M-8006. N.P. 3. From India.

276649. *SESAMUM* sp.

M-8007. N.P. 6. From India.

276650. *BISERRULA PELECINUS* L. Fabaceae.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovot. Received Sept. 13, 1961.

Collected at Rishon Le Zion; soil sandy; annual rainfall approximately 500 mm. Elevation 50 meters. Bluish flowering annual.

276651. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

From Indonesia. Seeds presented by the Institute for Plant Disease and Pests, Bogor, Java. Received Sept. 13, 1961.

276652. *PYRUS COMMUNIS* L. Malaceae.

From France. Budsticks presented by the Station de Recherches de Viticulture, d'Oenologie et d'Arboriculture Fruitiere, Belle-Beille, Angers. Received Sept. 18, 1961.

'Jeanne d'Arc'.

276653. *CITRUS AURANTIFOLIA* (Christm.) Swingle Rutaceae.**Lime.**

From India. Seeds presented by the Regional Fruit Research Station, Chethalli Coorg, Mysore State. Received Sept. 19, 1961.

'Coorg Lime'.

276654. *GOSSYPIUM* sp. Malvaceae.

From Samoa. Seeds presented by the Director of Agriculture, Apia. Received Sept. 19, 1961.

Native cotton; lint brownish; fuzz sparse.

276655 and 276656.

From the British West Indies. Seeds presented by the Agricultural Department, St. Kitts. Received Sept. 19, 1961.

276655. *CANAVALIA ENSIFORMIS* (L.) DC. Fabaceae.

No. 1. Bush type; seeds white. Edible annual.

276656. *CANAVALIA GLADIATA* (Jacq.) DC.

No. 2. Climbing type; seeds reddish-brown. Edible annual. Used as green manure crop.

276657 to 276661.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Sept. 19, 1961.

276657 to 276659. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.
Watermelon.

276657. No. 3528. 'Bykovshij 23'.

276658. No. 3749. 'Samazkandskij Celyj'.

276659. No. 3868. 'Stalingradskij 58'.

276660. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.

No. 610. 'Chandalak'. Faami.

276661. *CUCUMIS MELO* var. *HIBERNUS* Poll.

No. 3054. 'Koj-Cas'.

276662 to 276666.

From Germany. Seeds presented by the Max Planck Institute for Breeding Research, Cologne, Vogelsang. Received Sept. 20, 1961.

276662. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.

Tetraploid, from the diploid "Steinacher".

276663. *LOLIUM* (hybrid). Poaceae.

(*L. multiflorum* (tetraploid) × *L. perenne* (tetraploid), F₂).

276664. *LOLIUM* (hybrid).

(*L. perenne* (tetraploid) × *L. multiflorum* (tetraploid), F₂). Plants have good winter hardiness.

276665. *LOLIUM MULTIFLORUM* Lam. Italian ryegrass.

Tetraploid, from the variety "Ostland".

276666. *LOLIUM PERENNE* L. Perennial ryegrass.

Tetraploid, from the variety "Odenwalder".

276667 to 276672.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de S. Paulo, Campinas. Received September 20, 1961.

276667 to 276669. *GOSSYPIUM BARBADENSE* L. Malvaceae.
Sea-island cotton.

276667. I.P.R.-1. N.A. 881.

276668. 'Quebradinho Porte Arboreo'. N-A. 882, Brazilian race. Perennial; seeds loose, different from united seeds of 'Rim de Boi'.

276669. 'Rio Xingu'. I-26697, Brazilian race. Grown by the Indians in the Xingu river region, Mato Grosso. Fiber white.

276670. *GOSSYPIUM BRASILIENSE* Macfad.

'Inteiro ou Rim de Boi'. Brazilian race.

276667 to 276672—Continued

276671. *GOSSYPIUM HIRSUTUM* L. **Upland cotton.**
 'Moco'. Marie Galante race. Grown in semi-arid regions, northeast Brazil. Produces long fiber cotton.
276672. *GOSSYPIUM MUSTELINUM* Watt
 'Macaco ou Algodoi'. Fiber gray.

276673 to 276700.

From Greece. Seeds collected by D. M. Yermanos, Department of Agronomy, University of California. Received September 20, 1961.

276673. *HELIANTHUS ANNUUS* L. Asteraceae. **Sunflower.**
 'Trikala'.
- 276674 to 276699. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**
- | | |
|--------------------------|-------------------------------|
| 276674. 'Adoptiv 109'. | 276687. 'Irak 185'. |
| 276675. 'Altamura 175a'. | 276688. 'Leucados 106'. |
| 276676. 'Baladi 143'. | 276689. 'Leucados 108'. |
| 276677. 'Canada 125'. | 276690. 'Messenias'. |
| 276678. 'Cipro 183a'. | 276691. 'Messenias 159b'. |
| 276679. 'Commune 155a'. | 276692. 'Messenias 159c'. |
| 276680. 'Danese 129a'. | 276693. 'Redwing 92'. |
| 276681. 'Danese 129b'. | 276694. 'Sadd's English 97a'. |
| 276682. 'Giza 139A'. | 276695. Grown in Trikala. |
| 276683. 'Giza 139b'. | 276696. 'Valuta 80'. |
| 276684. 'Hindi 153A'. | 276697. 'Valuta 81'. |
| 276685. 'Hindi 153b'. | 276698. 'Valuta 87c'. |
| 276686. 'Hollandia 163'. | 276699. 'Yiannitsa 170'. |
276700. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
 'Trikale'.

**276701 to 276703. *PISTACIA ATLANTICA* Desf. Anacardiaceae.
 Mount Atlas pistachio.**

From the United States. Trees growing at the U.S. Plant Introduction Station, Chico, Calif. Numbered Sept. 21, 1961.

Seed source for pistachio root stocks.

276701. Orchard location 030-30.
 276702. Orchard location 030-31.
 276703. Orchard location 031-32.

**276704 to 276706. *TRITICUM AESTIVUM* L. Poaceae.
 Common wheat.**

From the Union of Soviet Socialist Republics. Intercepted by the United States Quarantine officials, Idlewild Airport, New York, Sept. 8, 1961. Received Sept. 21, 1961.

276704. 'Bezostaya 1'. Winter wheat.
 276705. 'Krasnozernaya'. Spring wheat.
 276706. 'Moskovka'. Spring wheat.

276707. SORGHUM VERTICILLIFLORUM (Steud.) Stapf Poaceae.
Tabucki grass.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Sept. 22, 1961.

DL/61/933. Indigenous to the warmer and wetter parts of the summer rainfall area.

276708 to 276713.

From Hungary. Seeds presented by the National Institute for Agrobotany, Tapioszele. Received Sept. 25, 1961.

276708. AGROPYRON CAMPESTRE Gren. & Godr. Poaceae.

IV-68. Originally from the All-Union Institute of Plant Industry, Leningrad, U.S.S.R. Plants vigorous, resistant to drought, frost, rust and mildew.

276709. AGROPYRON PUNGENS (Pers.) Roem. & Schult.

From the All-Union Institute of Plant Industry, Leningrad, U.S.S.R. Plants vigorous, resistant to drought, frost, rust and mildew. Late type; heavy yielder.

276710. AGROPYRON SIBIRICUM (Willd.) Beauv. Siberian wheatgrass.

IV-66. From Moscow, U.S.S.R. Plants vigorous, resistant to drought, frost, rust and mildew.

276711. AGROPYRON TENERUM Vasey Slender wheatgrass.

IV-83. From the Botanical Research Institute, Hungarian Academy of Sciences, Vacratet. Plants vigorous, resistant to drought, frost, rust and mildew.

276712. AGROPYRON VIOLACEUM (Hornem.) Lange

IV-75. Originally from the All-Union Institute of Plant Industry, Leningrad, U.S.S.R. Plants vigorous, resistant to drought, frost, rust and mildew.

276713. BECKMANNIA ERUCIFORMIS (L.) Host Poaceae. Sloughgrass.

From uncultivated plants, Tapioszele.

276714. PIERIS JAPONICA (Thunb.) G. Don Ericaceae.
Japanese pieris.

From Australia. Plants presented by Bert Chandler and Son, The Basin, Victoria, New South Wales. Received Sept. 26, 1961.

'Chandlerii'.

276715 to 276717. PYRUS COMMUNIS L. Malaceae.

From Canada. Budsticks presented by the Research Branch, Genetics and Plant Breeding Research Institute, Ottawa, Ontario. Received Sept. 26, 1961.

276715. 'Fertility'.

276716. 'Krol Sobieski'.

276717. 'Williams'.

276718. MALUS SYLVESTRIS Mill. Malaceae.

From Union of Soviet Socialist Republics. Budsticks presented by the All-Union Institute of Plant Industry, Leningrad. Received Sept. 27, 1961.

'Pervenec Samarkanda' ('Landsberg Reinette' × 'Sawarkand Early'). Plants from Uzbekistan; fruit early ripening, fair quality.

276719 to 276758. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

From Ruanda-Urundi. Seeds presented by the Institut National pour l'Etude Agronomique du Congo, Brussels, Belgium. Received Aug. 24, 1961. Numbered Sept. 27, 1961.

No.	Variety	Rubona Expt. Sta. No.
276719.	R 1 'Bourbon Mayaguez 71.2147'.	(BM 71-2147).
276720.	R 2 'Jackson 2-1257'.	(J2-1257).
276721.	R 3 'Bourbon Mayaguez 139'.	(BM. 139).
276722.	R 4 'Jackson 2'.	(J2).
276723.	R 5 'Sidamo'.	(No. 5712).
276724.	R 6 'Bourbon Salvadoreno'.	(No. 5748).
276725.	R 7 'Harrar Dugda Lemita Arussi R3'.	(No. 5716).
276726.	R 8 'Garbito Irgalem Sidamo'.	(No. 5902).
276727.	R 9 'Mibirizi 49'.	(Mi 49).
276728.	R 10 'Local Bronze 183'.	(LB 183).
276729.	R 11 'Bourbon 72'.	(Bo 72).
276730.	R 12 'Mysore 175'.	(MY 175).
276731.	R 13 'Kent 170'.	(K 170).
276732.	R 14 'Guatemala 26'.	(Gu 26).
276733.	R 15 'Mibirizi 68'.	(Mi 68).
276734.	R 16 'Kent 198'.	(K 198).
276735.	R 17 'Blue Mountain Kenya 168'.	(BMK 168).
276736.	R 18 'Kabare 18'.	(Ka 18).
276737.	R 19 'Bourbon 72-1523'.	(Bo 72-1523).
276738.	R 20 'Mibirizi 68-1284'.	(Mi 68-1284).
276739.	R 21 'Mibirizi 49-1848'.	(Mi 49-1848).
276740.	R 22 'Harrar Dugda Lemita Arussi R1'.	(No. 5714).
276741.	R 23 'Babaca Kaffa'.	(No. 5718).
276742.	R 24 'Moka du Sidamo Borana'.	(No. 5816).
276743.	R 25 'Ainamba Babaca Kaffa'.	(No. 5691).
276744.	R 26 'Lignee M'.	(No. 5749).
276745.	R 27 'Harrar Dugda Lemita Arussi R2'.	(No. 5715).
276746.	R 28 'Tanabo A. Buna Mia Limmu Kaffa'.	(No. 5693).
276747.	R 29 'Agaro Gimma Kaffa'.	(No. 5692).
276748.	R 31 'Ennarea Limmu Gimma Kaffa'.	(No. 5717).
276749.	R 32 'Wondo Sidamo'.	(No. 5901).
276750.	R 33 'Agaro Kaffa'.	(No. 5953).
276751.	R 34 'Irgalem Kelle Sidamo'.	(No. 5898).
276752.	R 35 'Irga Ciaffe Sidamo'.	(No. 5895).
276753.	R 36 'Gimma Kaffa'.	(No. 5959).
276754.	R 37 'Adele Gumer Illulabor'.	(No. 5899).
276755.	R 38 'Wushwush Kaffa'.	(No. 5956).
276756.	R 39 'Las Palmas'.	(No. 60).
276757.	R 40 'Mokka de Tahiti'.	(No. 947).
276758.	R 41 'Mysore'.	(No. 1105).

276759 to 276761. ORYZA SATIVA L. Poaceae.**Rice.**

From India. Seeds presented by the Agricultural Research Institute, Rajendranagar, Hyderabad, Deccan. Received Sept. 27, 1961.

276759. H.R. 22.

276760. H.R. 47.

276761. H.R. 59.

276762 and 276763.

From Canada. Plants purchased from the Alpenglow Garden, North Surrey, New Westminster. Received Sept. 27, 1961.

276762. DIANTHUS MICROLEPIS Boiss. Silenaceae.

276763. DIANTHUS SUBACALIS Vill.

276764. PYRUS COMMUNIS L. Malaceae.

From Italy. Budsticks presented by Arturo Ansaloni, Bologna. Received Sept. 28, 1961. 'Butirra Precoce Morettini'.

276765 and 276766. ORYZA SATIVA L. Poaceae.**Rice.**

From the Republic of the Congo. Seeds presented by the United States Embassy, Leopoldville. Originally from the Cameroons. Received Sept. 28, 1961.

276765. 'Marouva'.

276766. 'Neang-Veng'.

276767 to 276856. SORGHUM BICOLOR (L.) Moench Poaceae.

From Ethiopia. Seeds presented by the Texas Agricultural Experiment Station, Chillicothe. Received Sept. 28, 1961. From a Dire Dawa Nursery.

An "S" indicates selfed for one year. SA numbers are Texas Agricultural Experiment Station numbers.

276767. SA 2285.	276786. SA 2304. "S".
276768. SA 2286. "S".	276787. SA 2305. "S".
276769. SA 2287.	276788. SA 2306. "S".
276770. SA 2288. "S".	276789. SA 2307.
276771. SA 2289. "S".	276790. SA 2308.
276772. SA 2290. "S".	276791. SA 2309.
276773. SA 2291.	276792. SA 2310. "S".
276774. SA 2292. "S".	276793. SA 2311. "S".
276775. SA 2293.	276794. SA 2312. "S".
276776. SA 2294. "S".	276795. SA 2313. "S".
276777. SA 2295. "S".	276796. SA 2314.
276778. SA 2296. "S".	276797. SA 2315.
276779. SA 2297. "S".	276798. SA 2316.
276780. SA 2298. "S".	276799. SA 2317.
276781. SA 2299. "S".	276800. SA 2318.
276782. SA 2300.	276801. SA 2319.
276783. SA 2301. "S".	276802. SA 2320.
276784. SA 2302. "S".	276803. SA 2321.
276785. SA 2303. "S".	276804. SA 2322.

276767 to 276856—Continued

276805. SA 2323.	276831. SA 2349. "S".
276806. SA 2324.	276832. SA 2350. "S".
276807. SA 2325.	276833. SA 2351. "S".
276808. SA 2326.	276834. SA 2352. "S".
276809. SA 2327.	276835. SA 2353. "S".
276810. SA 2328. "S".	276836. SA 2354.
276811. SA 2329. "S".	276837. SA 2355. "S".
276812. SA 2330. "S".	276838. SA 2356. "S".
276813. SA 2331. "S".	276839. SA 2357. "S".
276814. SA 2332. "S".	276840. SA 2358. "S".
276815. SA 2333. "S".	276841. SA 2359. "S".
276816. SA 2334. "S".	276842. SA 2360. "S".
276817. SA 2335. "S".	276843. SA 2361.
276818. SA 2336. "S".	276844. SA 2362. "S".
276819. SA 2337. "S".	276845. SA 2363. 'Mugra'.
276820. SA 2338. "S".	276846. SA 2364. 'Regim Mugra'.
276821. SA 2339. "S".	276847. SA 2365. 'Marui'.
276822. SA 2340. "S".	276848. SA 2366. 'Zenga'.
276823. SA 2341. "S".	276849. SA 2367. 'Fendisha'.
276824. SA 2342. "S".	276850. SA 2368. 'Dongonogof'.
276825. SA 2343. "S".	276851. SA 2369. 'Kengil No. 2'.
276826. SA 2344. "S".	276852. SA 2370. 'Zengada'.
276827. SA 2345.	276853. SA 2371. 'Collubi Dwarf'.
276828. SA 2346. "S".	276854. SA 2372. Eth. Sel. No. 2.
276829. SA 2347. "S".	276855. SA 2373. Eth. Sel. No. 3.
276830. SA 2348. "S".	276856. SA 2374. Eth. Sel. No. 4.

276857. *ARNICA ALPINA* Oliv. & Ladau Asteraceae.

From Austria. Seeds presented by L. Margulena, Animal Husbandry Research Division, U.S. Department of Agriculture, Beltsville, Md. From St. Veit, Ostyral. Received Sept. 29, 1961.

276858 to 276895. *ORYZA SATIVA* L. Poaceae.

Rice.

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received Sept. 29, 1961.

276858. K 14 Laat.	276867. K 26 Broeg.
276859. K 14 Broeg.	276868. K 27 Laat.
276860. K 18 Laat.	276869. K 27 Broeg.
276861. K 18 Broeg.	276870. K 29 Laat.
276862. K 22 Laat.	276871. K 29 Broeg.
276863. K 22 Broeg.	276872. K 31 Laat.
276864. K 25 Laat.	276873. K 31 Broeg.
276865. K 25 Broeg.	276874. K 37 Laat.
276866. K 26 Laat.	276875. K 37 Broeg.

276858 to 276895—Continued

276876. K 47 Laat.	276886. K 68 Laat.
276877. K 47 Broeg.	276887. K 68 Broeg.
276878. K 55 Laat.	276888. K 72 Laat.
276879. K 55 Broeg.	276889. K 72 Broeg.
276880. K 59 Laat.	276890. K 76 Laat.
276881. K 59 Broeg.	276891. K 76 Broeg.
276882. K 61 Laat.	276892. K 81 Laat.
276883. K 61 Broeg.	276893. K 81 Broeg.
276884. K 65 Laat.	276894. K 82 Laat.
276885. K 65 Broeg.	276895. K 82 Broeg.

276896 and 276897.

From the Philippines. Seedlings presented by the Bureau of Plant Industry, International Cooperation Administration, Manila. Received Oct. 2, 1961.

276896. *MALUS BACCATA* (L.) Moench. Malaceae. **Siberian crabapple.**
From Baguio City.

276897. *PYRUS PYRIFOLIA* (Burm.) Nakai Malaceae.
From Baguio City.

276898 and 276899.

From British Guiana. Plants presented by the Department of Agriculture, Georgetown. Received Oct. 2, 1961.

276898. *ECHINOCHLOA POLYSTACHYA* (HBK.) Hitchc. Poaceae.

276899. *PANICUM PURPURASCENS* Raddi Poaceae. **Paragrass.**

276900. ABUTILON LEUCOPETALUM F. Muell. Malvaceae.

From Australia. Seeds presented by the Botanic Garden, Adelaide. Received Oct. 3, 1961.

276901 and 276902. ORYZA SATIVA L. Poaceae. Rice.

From India. Seeds presented by the Agricultural Research Institute, Rajendranagar, Hyderabad. Received Oct. 3, 1961.

276901. H.R. 19.

276902. MTU 9.

276903. MALUS SYLVESTRIS Mill. Malaceae.

From the Union of Soviet Socialist Republics. Trees presented by the Division of Plant Industry, Leningrad. Received Oct. 3, 1961.

'Scedraja'. 'Generouse', seedling of 'Wealthy' raised at Sverdlovsk; tree productive, scab resistant, hardy under Ural conditions; fruit attractive, weight 120 grams, ripens in September.

276904. BISERRULA PELECINUS L. Fabaceae.

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received Oct. 4, 1961.

276905. FRAGARIA CHILOENSIS var. ANANASSA Hort. Rosaceae.

From Canada. Plants presented by the Experimental Farm, Agassis, British Columbia. Received Oct. 10, 1961.

'Auchincruive No. 6'.

276906 to 276942—Continued

276937. *TAXUS BACCATA* L. Taxaceae. English yew.
'Pygmaea'.
276938. *THUJA OCCIDENTALIS* L. Pinaceae.
'Pygmaea'.
276939. *THUJA ORIENTALIS* L. Oriental arborvitae.
'Ericoides'.
276940. *THUJA ORIENTALIS* f. *JUNIPEROIDES* (Carr.) Asch. & Graeb.
276941. *THUJA PLICATA* D. Don Giant arborvitae.
276942. *THUJOPSIS DOLABRATA* f. *NANA* (Endl.) Beiss. Pinaceae.

276943 to 276950. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the United States. Cuttings presented by C. Brewer & Co., Honolulu, Hawaii. Received Oct. 12, 1961.

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| 276943. 48-4899. | 276947. 50-2542. |
| 276944. 49-5. | 276948. 50-7209. |
| 276945. 49-134. | 276949. 53-263. |
| 276946. 49-3533. | 276950. 53-1447. |

276951 to 276962.

From Fiji. Rhizomes and cuttings presented by the Colonial Sugar Refining Company, Limited, Lautoka. Received Oct. 16, 1961.

- 276951 to 276956. *MISCANTHUS FLORIDULUS* (Labill.) Warb. ex Schum. & Laut. Poaceae.
- | | |
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| 276951. 'Fiji 65'. | 276954. 'Fiji 68'. |
| 276952. 'Fiji 66'. | 276955. 'Fiji 69'. |
| 276953. 'Fiji 67'. | 276956. 'Fiji 70'. |
- 276957 to 276962. *SACCHARUM* (hybrids). Poaceae. Sugarcane.
- | | |
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| 276957. 'Fiji 13'. | 276960. 'Fiji 57'. |
| 276958. 'Fiji 45'. | 276961. 'Fiji 63'. |
| 276959. 'Fiji 47'. | 276962. 'Fiji 64'. |

276963. PELARGONIUM (hybrid). Geraniaceae.

From Great Britain. Cuttings presented by the Royal Botanic Gardens, Kew, Richmond, Surrey, England. Received Oct. 16, 1961.

'Gustav Emich'.

276964 to 277000.

From Japan. Seeds presented by the National Institute of Genetics, Misimi. Original sources indicated. Received Oct. 17, 1961.

276964. *AEGILOPS BICORNIS* (Forsk.) Jaub. & Spach. Poaceae.

No. 15.

- 276965 and 276966. *AEGILOPS BIUNCIALIS* Visiani

276965. No. 6. Asia Minor.

276966. No. M 4. Asia Minor.

276967. *AEGILOPS CAUDATA* L.

No. 10.

276964 to 277000—Continued

- 276968 and 276969. *AEGILOPS COLUMNARIS* Zhuk.
 276968. No. 5. Turkey.
 276969. No. M 3.
276970. *AEGILOPS COMOSA* Sibth. & Smith
 No. 11.
- 276971 to 276973. *AEGILOPS CRASSA* Boiss.
 276971. No. 17. Iraq.
 276972. No. 18. Tashkent.
 276973. No. 2302. Afghanistan.
- 276974 to 276976. *AEGILOPS CYLINDRICA* Host
 276974. No. 9.
 276975. No. M 7. Turkestan.
 276976. No. 2401. Iran.
276977. *AEGILOPS LONGISSIMA* Schweinf. & Muschl.
 No. 14. Palestine.
276978. *AEGILOPS OVATA* L.
 No. 2.
276979. *AEGILOPS SPELTOIDES* Tausch
 No. 13.
- 276980 to 276985. *AEGILOPS SQUARROSA* L.
 276980. No. 16. Caucasus.
 276981. No. M 9. Turkestan.
 276982. No. 2001. 'Typica'. Pakistan.
 276983. No. 2016. 'Anathera'. Pakistan.
 276984. No. 2112. 'Strangulata'. Iran.
 276985. No. 2115. 'Meyeri'. Iran.
- 276986 to 276989. *AEGILOPS TRIARISTATA* Willd.
 276986. No. 3.
 276987. No. 4. Turkey.
 276988. No. M 1. Asia Minor.
 276989. No. M 2.
- 276990 to 276992. *AEGILOPS TRIUNCIALIS* L. **Barb goatgrass.**
 276990. No. 8.
 276991. No. M 6. Afghanistan.
 276992. No. 2506. Afghanistan.
276993. *AEGILOPS TURCOMANICA* Roshev.
 No. 19.
276994. *AEGILOPS UMBELLULATA* Zhuk.
 No. 1. Turkey.
- 276995 and 276996. *AEGILOPS UNIARISTATA* Visiani
 276995. No. 12. Turkey.
 276996. No. M 8. Asia Minor.

276964 to 277000—Continued

- 276997 and 276998. *AEGILOPS VARIABILIS* Eig
 276997. No. 7. Syria.
 276998. No. M 5. Tel Aviv, Israel.
 276999 and 277000. *AEGILOPS VENTRICOSA* Tausch
 276999. No. 20.
 277000. No. M 10.

277001 and 277002.

From Mexico. Seeds presented by Francisco A. Flores, Mazatlan. Received Oct. 17, 1961.

277001. *CNIDOSCOLUS ELASTICUS* Lundell Euphorbiaceae.
 Red.
 277002. *CNIDOSCOLUS TEPIQUENSIS* (Cost. & Gall.) McVaugh Chilte.
 White.

277003 to 277011.

From Paraguay. Seeds presented by the Instituto Agronomico Nacional, Servicio Tecnico Inter-Americano de Cooperation Agricola, Caacupe. Received Oct. 18, 1961.

277003. *PASPALUM DILATATUM* Poir. Poaceae. Dallisgrass.
 277004. *PASPALUM GUARANITICUM* Parodi
 277005. *PASPALUM GUENOARUM* Arech.
 277006. *PASPALUM NICORAE* Parodi
 277007 to 277009. *PASPALUM NOTATUM* Fluegge Bahiagrass.
 277007. 'Bahia'.
 277008. 'Cipton'.
 277009. 'Pensacola'.
 277010. *PASPALUM FLICATULUM* Michx. Blackgrass.
 277011. *PASPALUM ROJASII* Hack.

277012 to 277019. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Spain. Seeds obtained from Luis M. Villena, Zaragoza. Rust resistant varieties. Received Oct. 18, 1961.

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| 277012. I 826. 3853. | 277016. I 830. 3965. |
| 277013. I 827. 3856. | 277017. I 831. 3868. |
| 277014. I 828. 3859. | 277018. I 832. 3871. |
| 277015. I 829. 3862. | 277019. I 833. 3874. |

277020 to 277025. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Argentina. Seeds presented by the Secretaria de Estado de Agricultura y Ganaderia de la Nacion, Bueno Aires. Received Oct. 18, 1961.

277020. La Paz Province, Entre Rios.
 277021. 'Azabache', LB 1, 13113. Las Brenas, Chaco Province. Seeds dark gray.

277020 to 277025—Continued

277022. 'Blanco', LB 2, 13114. Las Brenas, Chaco Province. Seeds large, off-white.
 277023. 'Pelon'. La Paz, Entre Rios Province. Plant hairless.
 277024. 'Petizo'. La Paz, Entre Rios Province. Plant dwarf.
 277025. 'Sanguineo', LB 7. Common in Las Brenas, Chaco Province.

277026 to 277043.

From Uruguay. Seeds presented by Botany Laboratory, Faculty of Agriculture, Montevideo. Received Oct. 18, 1961.

277026. PASPALUM ALMUM Chase Poaceae.
 277027. PASPALUM ARECHALETAE Hack. ex Arechav.
 277028. PASPALUM CROMYORRHIZON Trin.
 277029. PASPALUM DILATATUM Poir. Dallisgrass.
 277030. PASPALUM EXALTATUM Presl
 277031. PASPALUM GUARANITICUM Parodi
 277032. PASPALUM HAUMANII Parodi
 277033. PASPALUM INDECORUM Mez
 277034. PASPALUM JURGENSII Hack.
 277035. PASPALUM MACULOSUM Trin.
 277036. PASPALUM NICORAE Parodi
 277037. PASPALUM PANICULATUM L.
 277038. PASPALUM PAUCICILIATUM (Parodi) Herter
 277039. PASPALUM PLICATULUM Michx. Blackgrass.
 277040. PASPALUM PUMILUM Nees
 277041. PASPALUM QUADRIFARIUM Lam.
 277042. PASPALUM RUFUM Nees ex Steud.
 277043. PASPALUM YAGUARONENSE Henr.

277044 to 277049.

From India. Seeds presented by R. K. Pradhan, Happy Valley, Gangtok, Sikkim. Received Oct. 18, 1961.

277044. LILIUM GIGANTEUM Wall. Liliaceae. Giant lily.
 277045. LILIUM LONGIFLORUM Thunb. Easter lily.
 277046. LILIUM LONGIFLORUM Thunb. Easter lily.
 'Praecox'.
 277047. LILIUM NEPALENSE D. Don.
 277048. LILIUM TIGRINUM Ker Tiger lily.
 277049. LILIUM WALLICHIANUM Schult. f. Wallich lily.

277050 to 277058.

From Sweden. Seeds presented by the W. Weibull Seed Company, Landskrona. Received Oct. 19, 1961.

- 277050 to 277053. AVENA SATIVA L. Poaceae. Common oats.
 277050. 'Weibull's 16004'. 277052. 'Weibull's 16229'.
 277051. 'Weibull's 16195'. 277053. 'Weibull's 16385'.

277050 to 277058—Continued

277054 and 277055. *HORDEUM VULGARE* L. Poaceae.

277054. 'Weibull's 5690'.

277055. 'Weibull's 5741'.

277056 to 277058. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

277056. 'Weibull's Original Ring'.

277057. 'Weibull's 5837'.

277058. 'Weibull's 7389'.

277059 to 277065.

From the Union of Soviet Socialist Republics, unless otherwise noted. Seeds presented by the Experiment Station, Parma, Idaho. Received Oct. 19, 1961.

277059 and 277060. *ASTRODAUCUS ORIENTALIS* Drude Apiaceae.

277059. No. 2. Botanical Garden, Baku, Azerbaijan.

277060. No. 3. Botanical Garden, Erevan, Armenia.

277061 and 277062. *CAUCALIS DAUCOIDES* Linn. Apiaceae.

277061. No. 4. Botanical Garden, Erevan, Armenia.

277062. No. 6. Botanical Garden, Bucharest, Rumania.

277063. *CAUCALIS LAPPULA* Grande

No. 7. Botanical Garden, Bucharest, Rumania.

277064 and 277065. *DAUCUS CAROTA* L. Apiaceae.

Carrot.

277064. No. 1. Botanical Garden, Baku, Azerbaijan.

277065. No. 5. Botanical Garden, Bucharest, Rumania.

277066 to 277075. ALLIUM SATIVUM L. Liliaceae.

Garlic.

From Argentina. Seeds presented by the Division de Exploraciones e Introduccion de Plantas, Buenos Aires. Received Oct. 19, 1961.

277066. DEIP 20.610. From General Pico (La Pampa).

277067. DEIP 20.611. 'Colorado'. From Balcarce.

277068. DEIP 20.613. 'Colorado Chato'. From Pilar (Cordoba).

277069. DEIP 20.614. 'Cuarentin'. From Pilar (Cordoba).

277070. DEIP 20.615. 'Violeta'. From Pilar (Cordoba).

277071. DEIP 20.628. 'Blanco'. From San Miguel de Tucuman (Tucuman).

277072. DEIP 20.629. 'Colorado'. From San Miguel de Tucuman (Tucuman).

277073. DEIP 20.630. 'Correntino O Brasileiro'. From Concordia (Entre Rios).

277074. DEIP 20.631. 'Cuarenton'. From Concordia (Entre Rios).

277075. DEIP 20.632. 'Blanco Temprano'. From La Banda (Santiago del Estero).

277076 and 277077.

From Tunisia. Seeds presented by the International Cooperation Administration, Tunis. Received Oct. 20, 1961.

277076. *FESTUCA ARUNDINACEA* Schreb. Poaceae.

Tall fescue.

277077. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae.

Berseem clover.

277078. PENNISETUM SPICATUM (L.) Willd. Poaceae.**Pearl millet.**

From Australia. Seeds presented by the Division of Land Research and Regional Survey, Commonwealth Scientific and Industrial Research Organization, Katherine. Received Oct. 20, 1961.

'Katherine'.

277079 and 277080. SORGHUM BICOLOR (L.) Moench. Poaceae.

From Argentina. Seeds presented by the Semillero "El Pelado" Buenos Aires. Received Oct. 20, 1961.

277079. 'Granifero Feterita'. Pergamino selection. Seeds predominately brown.

277080. 'Sugar Sorghum'. Oliveros selection. Seeds predominately black.

277081 to 277083. PRUNUS ARMENIACA L. Amygdalaceae.**Apricot.**

From the Union of Soviet Socialist Republics. Scions presented by the All-Union Institute of Plant Industry, Leningrad, March 20, 1961. Numbered Oct. 20, 1961.

277081. No. 1265.

277082. No. 95.

277083. No. N7.

277084 to 277107.

From the United States. Plant material collected by J. P. Overcash, Mississippi State University, State College, Mississippi. Numbered Oct. 20, 1961.

277084. CARYA ILLINOINENSIS (Wang.) K. Koch Juglandaceae. Pecan.

Col. No. Miss. Pecan No. 1. 'Wright Pecan'. Collected at 1018 Bryant Ave., Pascagoula. Tree circumference 108 inches 36 inches above soil. Annual yield to 500 pounds, 28 nuts per pound. Nut to 2 inches long. Sometimes fills poorly.

277085. FICUS sp. Moraceae.

Col. No. Miss. Fig. No. 2. Collected at 607 Torres St., Moss Point. Tree 17 years old and 12 feet high. Bears annually; fruits to 1.5 inches in diameter, dark.

277086. MALUS sp. Malaceae.

Col. No. Miss. Crab No. 1. Collected at Box 90, Route 3, Gulfport. Tree 10 to 12 years old, 21 inches in circumference 12 inches above soil line, 31 foot spread; leaves very healthy; fruit 1 inch in diameter.

277087. MALUS sp.

Col. No. Miss. Crab No. 2. Collected at Broadmoor Place, Gulfport. Tree 8 feet high, in good condition, under dense shade.

277088. MALUS sp.

Col. No. Miss. Apple No. 1. Suckers collected at Box 148, Route 2, Gulfport. Tree less than 10 years old, 12 feet high; no leaf disease present.

277089. MALUS sp.

Col. No. Miss. Apple No. 2. Suckers collected at Box 148, Route 2, Gulfport. Tree 10 feet high.

277090. MALUS sp.

Col. No. Miss. Apple No. 3. Suckers collected at Box 148, Route 2, Gulfport. Tree 12 feet high.

277084 to 277107—Continued**277091. MALUS sp.**

Col. No. Miss. Apple No. 4. Collected a few blocks from the Gulf of Mexico, at Broadmoor Place, Gulfport. Tree 10 feet high, heavily laden, but regularly sprayed and fertilized; unknown variety from a nursery.

277092. MALUS sp.

Col. No. Miss. Apple No. 5. Collected in backyard, Broadmoor Place, Gulfport. Tree 10 feet high, heavily laden, but regularly sprayed and fertilized; unknown variety from a nursery.

277093. MALUS sp.

Col. No. Miss. Apple No. 7. Collected at 1135 Maylane, Pascagoula. Tree 7 feet high; fruit yellow with red stripe.

277094. MALUS sp.

Col. No. Miss. Apple No. 8. Collected at 607 Torres St., Moss Point. Tree 7 feet high.

277095. MALUS sp.

Col. No. Miss. Apple No. 9. Collected at the Big Level School Road, Route 1, Perkinston. Tree 15 years old, 15 feet high, 12 feet wide, 18 inches in circumference 36 inches above soil line; fruits yellow, ripen mid- to late-July.

277096. MALUS sp.

Col. No. Miss. Apple No. 10. Collected at Big Level School Road, Route 1, Perkinston. Tree 20 years old, 16 feet high, 16 feet wide, circumference 24 inches 36 inches above soil line; fruit green with some red, ripens Sept. 1st.

277097. MALUS sp.

Col. No. Miss. Apple No. 14. 'Horseapple'. Suckers collected from St. Mary's Street, Centreville. Tree 32 years old, 12 feet high, 12 feet wide, circumference 36 inches 12 inches above soil line, vigorous, productive; fruit yellow, flattened, 10 inches circumference.

277098. MALUS sp.

Col. No. Miss. Apple No. 15. Suckers collected from St. Mary's Street, Centreville. Tree 32 years old, 12 feet high, 12 feet wide, circumference 32 inches 12 inches above soil line, productive; fruits yellow, ripen early July, medium size.

277099. MALUS sp.

Col. No. Miss. Apple No. 18. Suckers collected at 18 North Circle Drive, Natchez. Tree five years old, 18 feet high, 15 feet wide, trunk 22 inches in circumference 12 inches above soil line; shoots to 18 inches long; leaves healthy; fruit red, texture and flavor resemble 'Winesap'.

277100. PRUNUS sp. Amygdalaceae.

Col. No. Miss. Plum No. 9. Collected on Route 4, Lucedale. Tree 15 feet high, 18 feet wide, trunk 28 inches in circumference 24 inches above soil line; fruit clingstone, 1.5 inches in diameter; skin red. Ripens early July.

277101. PRUNUS sp.

Col. No. Miss. Plum No. 16. Collected at Box 138, Route 1, Gloster. Tree seven years old, 10 feet high, 12 feet wide, healthy; fruit yellow with red blush.

277102. PYRUS sp. Malaceae.

Col. No. Miss. Pear No. 3. Collected at Box 90, Route 3, Gulfport. Tree 35 years old, 35 feet high, 30 feet wide, 25 inches in circumference 12 inches above soil line, in partial shade; new shoots 24 inches long; no fire blight present, few leaf spots.

277084 to 277107—Continued**277103. PYRUS sp.**

Col. No. Miss. Pear No. 6. Collected at 607 Torres Street, Moss Point. Tree trunk 36 inches in circumference 12 inches above soil line, vigorous; fruits green-colored with red blush; no fire blight or leaf spot.

277104. PYRUS sp.

Col. No. Miss. Pear No. 7. Collected at Box 255, Rural Route, Pascagoula. Tree trunk 24 inches in circumference 12 inches above soil line, vigor good; crop heavy; very little leaf spot or fire blight.

277105. PYRUS sp.

Col. No. Miss. Pear No. 8. Collected at Box 255, Rural Route, Pascagoula. Tree 12 years old; foliage healthy; crop very good.

277106. PYRUS sp.

Col. No. Miss. Pear No. 9. Collected at Box 255, Rural Route, Pascagoula. Tree healthy, shows good adaptability in habit and fruit production; fruit half red mid-June; little leaf spot.

277107. PYRUS sp.

Col. No. Miss. Pear No. 10. Collected at Fig Farm Road at State Highway 26, Lucedale. Tree 45 feet high, 36 feet wide, circumference 55 inches 36 inches above soil line, excellent vigor; fruit crop light, to 4 bushels; no leaf spot.

277108. LUPINUS NOOTKATENSIS Sims Fabaceae.

From Iceland. Seeds presented by Skograekt Rikisins, Reykjavik. Received Oct. 23, 1961.

277109 to 277142.

From Germany. Seeds presented by the Deutsche Akademie der Wissenschaften, Institut fur Kulturpflanzenforschung, Berlin. Original sources indicated. Received Oct. 23, 1961.

"A" numbers are spring forms and "H" numbers are winter forms.

277109. SECALE CEREALE L. Poaceae.**Rye.**

A Sgt 61. 'Petkuser Sommer'. Petkus/Mark, Germany.

277110 to 277119. TRITICUM AESTIVUM L. Poaceae. Common wheat.

277110. H S 1314/60. 'Erythrospermum, Blondynka'. Biologische Bundes-Anstalt Braunschweig, Germany.

277111. H S 1553/60. 'Erythrospermum Belocerkovskaja 198'. ('Erythrospermum 15' × 'Kovej'). Belocerkovski Experiment Station, Soviet Union.

277112. H S 3077/59. 'Barbarossa Lesostepk 75'. ('Lesostepka 74' × 'Ukrainka'). Belocerkovski Experiment Station, Soviet Union.

277113. H S 3078/59. 'Erythrospermum Borosilovskaja' ('Kanred' × 'Fulcaster 266 287'). Stavropolski Experiment Station, Soviet Union.

277114. H S 3081/59. 'Ferrugineum Moskovskapa 2453'. All-Union Institute of Plant Industry, Leningrad, Soviet Union.

277115. H S 3085/59. 'Erythrospermum Odesskaja 12'. All-Union Institute of Plant Industry, Leningrad, Soviet Union.

277116. A TRI 3463/57. 'Barbarossa Pilgrim'. Institut fur Pflanzenbau und Pflanzenzuchtung, Hohenheim, Germany.

277109 to 277142—Continued

277110 to 277119—Continued

277117. A S 7228/60. 'Aureum Saratovskaja' ('Lutescens 2074' × 'Sarroz'). Agricultural Institute, Jugo-Vostok, Soviet Union.

277118. A S 7624/60. 'Lutescens Lutescens 758' ('Kitchener' × 'Lutescens 62'). Agricultural Institute, Jugo-Vostok, Soviet Union.

277119. A S 7631/60. 'Erythrospermum Bezencukskaja 98' ('Lutescens DS 11-21-44' (USA) × 'Erythrospermum V-47'). Kujbysevski Experiment Station, Soviet Union.

277120 to 277124. TRITICUM BOEOTICUM Boiss.

277120. H TRI 1773/58. 'Haussknechtii'. Asia Minor.

277121. H TRI 1778/58. 'Symbolonense'. Bayr, Landessaatzucht-Anstalt Weihenstephan.

277122. H TRI 2378/58. 'Mayssuriani'. Institut fur Pflanzenbau und Pflanzenzuchtung, Leipzig, Germany.

277123. A TRI 3015/60. 'Rufiningrum'.

277124. A TRI 4305/57. 'Reuteri'.

277125 to 277128. TRITICUM DURUM Desf.

Durum wheat.

277125. H TRI 1461/58. 'Hordeiforme'. Balkans.

277126. H TRI 1487/57. 'Murciense'. Botanical Garden, University Sofia, Bulgaria.

277127. H TRI 1688/58. 'Erythromelan'. Kreta.

277128. A TRI 4133/58. 'Leucurum'. Italy.

277129. TRITICUM MACHA Dekapr. & Men.

H TRI 1868/58. 'Subletshchumicum'. Experiment Station, Zurich-Oerlikon.

277130 to 277140. TRITICUM MONOCOCCUM L.

277130. A TRI 613/59. 'Sofianum'. Balkans.

277131. A TRI 616/59. 'Macedonicum'. Balkans.

277132. A TRI 895/59. 'Hornemannii'. Schlanstedt, Germany.

277133. A TRI 1509/58. 'Nigricultum'. Balkans.

277134. H TRI 1775/58. 'Hornemannii'. Bayr, Landessaatzucht-Anstalt Weihenstephan.

277135. A TRI 1986/56. 'Vulgare'. Balkans.

277136. A TRI 2124/57. 'Atriaristatum'. Balkans.

277137. H TRI 2381/57. 'Vulgare'. Kreta.

277138. A TRI 3409/56. 'Albo-hornemannii'. Bayr, Landessaatzucht-Anstalt Weihenstephan.

277139. A TRI 3435/56. 'Vulgare'. 'Schwedisches Einkorn'. MPI. fur Zuchtungsforschung, Voldagsen.

277140. A TRI 4309/57. 'Flavescens'.

277141 and 277142. TRITICUM SPHAEROCOCCUM Percival

277141. A S 2130/58. 'Rubiginosum'.

277142. A TRI 3556/56. 'Rotundatum'. MPI fur Zuchtungsforschung Voldagsen.

277143 to 277145. ELETTARIA CARDAMOMUM (L.) Maton
Zingiberaceae. Cardamom.

From India. Rhizomes presented by the Indian Agricultural Research Institute, New Delhi. Received Oct. 26, 1961.

Grown at Sikkim, India.

277143. 'Ramasai'.

277144. 'Ramnak'.

277145. 'Sawney'.

277146 to 277148. LINUM USITATISSIMUM L. Linaceae. Flax.

From Canada. Seeds presented by the Plant Research Institute, Central Experimental Farm, Ottawa. Received Oct. 27, 1961.

277146. 'Raja'.

277147. 'Rocket'.

277148. 'Royal'.

277149 to 277155. ALLIUM SATIVUM L. Liliaceae. Garlic.

From Spain. Bulbs presented by the Instituto Nacional para la Produccion de Semillas Selectas, Madrid. Received Nov. 7, 1961.

277149. From de Balaguer (Lerida).

277150. From de Cuenca.

277151. From de Valladolid.

277152. 'Bastos O Corellanos'. From de Navarra.

277153. 'Blancos'. From de Villena (Alicante).

277154. 'Finos'. From de Aragon.

277155. 'Morados'. From de Villena (Alicante).

277156. CARYOPTERIS INCANA (Thunb.) Miquel. Verbenaceae.
Common bluebeard.

From Japan. Seeds presented by T. Sakata and Company, Yokohama. Received Nov. 7, 1961. Mixed colors, but mostly blue. Received as *C. mastacanthus*.

277157. ECBALLIUM ELATERIUM (L.) A. Rich. Cucurbitaceae.
Squirting-cucumber.

From Spain. Seeds presented by the Servicio de Fomento de la Produccion de Plantas Medicinales, Madrid. Received Nov. 7, 1961.

277158 to 277163. ZEA MAYS L. Poaceae. Corn.

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City. Received Oct. 30, 1961.

277158. 'Papaloapan'. 277161. T 4.

277159. H-503. 277162. T 5.

277160. T 2. 277163. T 6.

277164 and 277165. TRITICUM SPHAEROCOCCUM Percival Poaceae.

From Pakistan. Seeds presented by the Punjab Agricultural College and Research Institute, Lyallpur. Received Oct. 30, 1961.

277164. C 699. 'Randhawai'. Ears bearded, short, dense; awns short, white; glumes dirty white, felted; grains small, roundish, amber, hard; midseason variety.

277164 and 277165—Continued

277165. C 702. 'Rubroglabrum'. Ears bearded, short, dense; awns short, red; glumes red, smooth; grains small, roundish, red, hard; midseason variety.

277166 to 277168. SORGHUM BICOLOR (L.) Moench Poaceae.

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City. Received Oct. 30, 1961.

277166. 'Mabere'. Seed dark brown, small.

277167. 'Magune'. Seed light brown, small.

277168. 'Wyundo'. Seed dark brown, small.

277169. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Ruanda-Urundi. Seeds presented by the Institut National pour l'Etude Agronomique du Congo, Brussels, Belgium. Received Aug. 24, 1961. Numbered Nov. 14, 1961.

R 30.

277170 to 277172. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Colombia. Seeds collected by Wertit Soengeng R. Received Oct. 30, 1961.

277170. Collected near Villa Arteaga, Antioquia. Cultivated tree; cotyledons dark purple; pod green, turning yellow on maturity, almost smooth, without furrow except of its bottlenecked base; apex rounded.

277171. Collected near Villa Arteaga, Antioquia. Tree slender, eight meters high, single-trunked, growing in wild; fruits few, on trunk; cotyledons white; pod 20 by 9 cm., criollo type, very warty, green, turning slightly yellow on ripening.

277172. Collected in a "potrero", near a forest, Puerto Asiz, Putumayo. Tree healthy, five trunked, to 7 meters high, possibly growing in wild and left uncut when the forest was cleared; fruits on the trunks and main branches; cotyledons white; pod of criollo type, 25 by 13.5 cm., green turning yellow on ripening. Of interest because of its white cotyledons and resistance to witches' broom disease.

277173 and 277174.

From Germany. Plants purchased from B. Mullerlein Baumschulen, Karlstadt, Main. Received Oct. 30, 1961.

277173. CLEMATIS VITACELLA f. PURPUREA (Loud.) Rehder Ranunculaceae. 'Elegans'.

277174. CLEMATIS (hybrid).

'John Gould Veitch'.

277175. ROSA RUGOSA Thunb. Rosaceae. Rugosa rose.

From Japan. Seeds presented by the Kesen-numa Forestry Office, Kesen-numa City, Miyagi Prefecture. Received Nov. 1, 1961.

'Hamanashi'.

277176 to 277182.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Division of Crops and Pastures, Pretoria. Received Nov. 8, 1961.

277176. HIBISCUS CANNABINUS L. Malvaceae.

Kenaf.

'Barborton No. 4'. DL/61 1231.

277176 to 277182—Continued

277177. *HIBISCUS LUNARIFOLIUS* Willd. Rosemallow.

'Barborton No. 9'. DL/61 1232. Received as *H. dongolensis*.

277178 to 277182. *HIBISCUS VITIFOLIUS* L.

277178. 'Barborton No. 3'. DL/61/1226.

277179. 'Barborton No. 5'. DL/61/1227.

277180. 'Barborton No. 6'. DL/61/1228.

277181. 'Barborton No. 7'. DL/61/1229.

277182. 'Barborton No. 8'. DL/61/1230.

277183 to 277185.

From France. Seeds presented by the Directeur du Jardin des Plantes, Montpellier. Received Nov. 8, 1961.

277183. *AGROPYRON CAMPESTRE* Gren. & Godr. Poaceae.

277184. *AGROPYRON JUNCEUM* (L.) Beauv.

277185. *AGROPYRON LITTORALE* (Host) Dum.

277186 to 277215. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From India. Seeds presented by the Division of Entomology, Agricultural Research Institute, New Delhi. Received Nov. 8, 1961.

277186. A.H. 6934.

277201. A.H. 7176.

277187. A.H. 6939.

277202. A.H. 7208.

277188. A.H. 6942.

277203. A.H. 7227.

277189. A.H. 6945.

277204. A.H. 7232.

277190. A.H. 6949.

277205. A.H. 7233.

277191. A.H. 6957.

277206. A.H. 7235.

277192. A.H. 6970.

277207. A.H. 7236.

277193. A.H. 6972.

277208. A.H. 7241.

277194. A.H. 6973.

277209. A.H. 7260.

277195. A.H. 7014.

277210. A.H. 7264.

277196. A.H. 7023.

277211. A.H. 7266.

277197. A.H. 7029.

277212. A.H. 7324.

277198. A.H. 7047.

277213. A.H. 7326.

277199. A.H. 7082.

277214. A.H. 7335.

277200. A.H. 7084.

277215. A.H. 7337.

277216 to 277255. ORYZA SATIVA L. Poaceae. Rice.

From China. Seeds presented by the Agricultural Research Institute, Taipei, Taiwan. Received Nov. 8, 1961.

277216. 'Chia-nan 2'.

277223. 'Kaohsiung 10'.

277217. 'Chia-nan 8'.

277224. 'Kaohsiung 22'.

277218. 'Chia-nan 14'.

277225. 'Kaohsiung 24'.

277219. 'Chia-ning Yu 280'.

277226. 'Kaohsiung 27'.

277220. 'Hsiao Nan-Sen'.

277227. 'Kaohsiung 41'.

277221. 'Hsinchu 50'.

277228. 'Kaohsiung 45'.

277222. 'Hsinchu 58'.

277229. 'Kaohsiung 64'.

277216 to 277255—Continued

277230. 'Kwan-fu 401'.	277243. 'Taichung 178'.
277231. 'Liu-tou-tze'.	277244. 'Taichung 180'.
277232. 'Nung Yu 1804'.	277245. 'Taichung Pai-co'.
277233. 'Nung Yu 1805'.	277246. 'Taichung Special 6'.
277234. 'Sun-lee Sen'.	277247. 'Tainan 1'.
277235. 'Taichung 122'.	277248. 'Taipei 127'.
277236. 'Taichung 150'.	277249. 'Taipei 306'.
277237. 'Taichung 153'.	277250. 'Taipei 307'.
277238. 'Taichung 155'.	277251. 'Taipei Woo-co'.
277239. 'Taichung 160'.	277252. 'Taitung 1'.
277240. 'Taichung 170'.	277253. 'Taitung 16'.
277241. 'Taichung 171'.	277254. 'Taitung 24'.
277242. 'Taichung 173'.	277255. 'Yoshino 1'.

277256 to 277262. ORYZA SATIVA L. Poaceae. Rice.

From Kenya. Seeds presented by the Ministry of Agriculture, Irrigation Research Station, Nairobi. Received Nov. 8, 1961.

- 277256. 'Afaa' (MZ). Originally from Tanganyika.
- 277257. 'Afaa' (Nyanza).
- 277258. 'Faya' (Nyanza).
- 277259. 'Gamti'. Originally from Tanganyika.
- 277260. 'MBRI'.
- 277261. 'Mngazija'. Originally from Zanzibar. Hulls brown.
- 277262. 'Sc. 70'. Originally from Tanganyika.

277263. MAGNOLIA (hybrid). Magnoliaceae.

From the District of Columbia. Plant growing at the United States National Arboretum, Washington, D. C. Numbered Nov. 8, 1961.

'Freeman'. (*M. virginiana* × *M. grandiflora*). NA 12203. Developed and selected at the National Arboretum. Tree 30 years old and about 25 feet high, columnar, free flowering; foliage evergreen, glossy; flowers white, cup shaped, fragrant, intermediate in size between the two species.

277264. CITRUS ICHANGENSIS Swingle Rutaceae. Ichang lemon.

From India. Seeds presented by the Government Citrus Research Station, Burnihat, Assam. Received Nov. 9, 1961.

'Ketsa-Shupfu'.

277265. NEPTUNIA MONOSPERMA F. Muell. Mimosaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 9, 1961.

From the Kimberley Research Station, Wyndham.

277266 to 277289.

From India. Seeds presented by Sutton & Sons, Limited, Calcutta. Received Nov. 9, 1961.

277266. *ALLIUM CEPA* L. Liliaceae.

Onion.

'Red Patna'. Attains good size on Indian plains.

277266 to 277289—Continued

- 277267 to 277269. *AMARANTHUS GANGETICUS* L. *Amaranthaceae.* **Ganges amaranth.**
 277267. 'Champa Natia'. Plants dwarf, bushy; leaves small. Used in same manner as spinach.
 277268. 'Green Dengo'.
 277269. 'Lal'. Plants bushy, to 3 feet high. "Red Indian Spinach" sometimes used as substitute for asparagus.
277270. *BETA VULGARIS* L. *Chenopodiaceae.* **Common beet.**
 'Banerjee's Giant'. Plants robust; leaves large, fleshy; used as spinach substitute. Allow 2 to 3 feet between plants.
- 277271 to 277277. *BRASSICA OLERACEA* var. *BOTRYTIS* L. *Brassicaceae.* **Cauliflower.**
 Varieties cultivated on plains.
 277271. 'Early Banaras'. Heads large, compact.
 277272. 'Early Market'. Outstanding early variety, heads large and compact.
 277273. 'Early Patna'. Quality superb, reliable.
 277274. 'Indian Snowball'. Late variety recommended for hills and plains.
 277275. 'Maincrop Banaras'. Early to midseason variety.
 277276. 'Maincrop Patna'. Midseason to late variety.
 277277. 'Late Banaras'. Heads large, white, solid; texture close. Reliable.
277278. *BRASSICA OLERACEA* var. *CAPITATA* L. **Cabbage.**
 'Pride of India'. Heads very large, firm, early; quality good.
277279. *CITRULLUS LANATUS* (Thunb.) Mansf. *Cucurbitaceae.* **Watermelon.**
 'Tarmuj'. Fruit large, delicious.
- 277280 to 277284. *CUCUMIS MELO* L. *Cucurbitaceae.* **Muskmelon.**
 277280. 'Kakri'. Fruit long, tender, tasty.
 277281. 'Kankur'. Fruit large, tasty. Used as substitute for squash when young and tender.
 277282. 'Kharbuza'. Fruits delicious.
 277283. 'Phoontee'. Fruit size and shape variable, used as vegetable when young and tender.
 277284. 'Sarda'. The 'Lucknow' melon; delicious.
277285. *DAUCUS CAROTA* L. *Apiaceae.* **Carrot.**
 'Champion Scarlet Horn'. Primary root cylindrical, unusually free from core; flesh deep red, tender, tasty.
277286. *LYCOPERSICON ESCULENTUM* Mill. *Solanaceae.* **Tomato.**
 'Early Scarlet'. Recommended for growing during monsoons on Indian plains. Fruit small.
- 277287 to 277289. *SOLANUM MELONGENA* L. *Solanaceae.* **Eggplant.**
 277287. 'Banaras Giant White'.
 277288. 'Long Purple'.
 277289. 'Muktakeshi'. Skin very thin; flesh soft, palatable; seeds small. Considered best.

277290 to 277312. GOSSYPIUM BARBADENSE L. Malvaceae.
Sea-island cotton.

From Peru. Seeds presented by the Instituto de Genetica, Sociedad Nacional Agraria, Lima. Received Nov. 9, 1961.

Tanguis strains.

277290. No. SNA 248.	277302. No. 6467.
277291. No. 1517.	277303. No. 6936.
277292. No. 2603.	277304. No. 6937.
277293. No. 4810.	277305. No. 7004.
277294. No. 4816.	277306. No. 7006.
277295. No. 4818.	277307. No. 7191.
277296. No. 5042.	277308. No. 7267.
277297. No. 6110.	277309. No. 7305.
277298. No. 6387.	277310. No. 7317.
277299. No. 6397.	277311. No. 7327.
277300. No. 6444.	277312. No. 7580.
277301. No. 6445.	

277313. ORYZA SATIVA L. Poaceae. **Rice.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas. Received Nov. 13, 1961.

'Dourado Precoce'.

277314 to 277328.

From Uruguay. Seeds presented by the Facultad de Agronomia, Laboratorio de Botanica, Montevideo. Received Nov. 13, 1961.

277314. PASPALUM ALMUM Chase	Poaceae.
277315. PASPALUM ARECHALETAE Hack. ex Arechav.	
277316. PASPALUM CROMYORRHIZON Trin.	
277317. PASPALUM DILATATUM Poir.	Dallisgrass.
277318. PASPALUM EXALTATUM Presl	
277319. PASPALUM PAUCICILIATUM (Parodi) Herter	
277320. PASPALUM HAUMANII Parodi	
277321. PASPALUM INDECORUM Mez	
277322. PASPALUM JURGENSII Hack.	
277323. PASPALUM NICORÆ Parodi	
277324. PASPALUM PANICULATUM L.	
277325. PASPALUM PLICATULUM Michx.	Blackgrass.
277326. PASPALUM PUMILUM Nees	
277327. PASPALUM QUADRIFARIUM Lam.	
277328. PASPALUM URVILLEI Steud.	Vaseygrass.
277329. ALLIUM SATIVUM L.	Liliaceae. Garlic.

From the United Arab Republic (Egypt). Bulbs presented by the Ministry of Agriculture, Cairo. Received Nov. 14, 1961.

277330. CITRUS AURANTIFOLIA (Christm.) Swingle Rutaceae.

Lime.

From British Guiana. Seeds presented by Central Agricultural Station, Mon Repos. Received Nov. 14, 1961.

'West Indian'.

277331 to 277335. VITIS VINIFERA L. Vitaceae. European grape.

From Argentina. Plants presented by Zeraida Fernandez-Montero, Mendoza. Received at San Francisco, California, Aug. 29, 1961. Numbered Nov. 14, 1961.

277331. 'Chenin Blanc'.

277334. 'Pinot Noir'.

277332. 'Pinot Blanc'.

277335. 'Riesling'.

277333. 'Pinot Chardonnay'.

277336 and 277337.

From the Union of Soviet Socialist Republics. Scions presented by the All-Union Institute of Plant Industry, Leningrad. Received Nov. 14, 1961.

277336. *MALUS* (hybrid). Malaceae.

'Desertnoe Petrova' ('Petrov's Dessert'). Bred at Moscow Horticultural Research Station from 'Koricnoe Polosatoe' (brown striped) × 'White Winter Calville'. Yields heavy, ripens in August; fruit medium to large, tender, fragrant; flesh sweet.

277337. *VITIS* (hybrid). Vitaceae.

'Hasanskij Bous'. Bred at Hasan State Farm, Primore.

277338 to 277345. COFFEA ARABICA L. Rubiaceae.

Arabian coffee.

From Nyasaland. Seeds presented by the Bvumbwe Agricultural Station, Limbe. Countries of origin indicated. Received Sept. 19, 1961.

277338. Unnamed selection.

Brazil.

277339. K 7. Kenya.

277343. KP. 423. Tanganyika.

277340. Ke. 20. Kenya.

277344. L. 1. Tanganyika.

277341. SL. 14. Kenya.

277345. N. 5. Tanganyika.

277342. KP. 162. Tanganyika.

277346 and 277347.

From the Netherlands. Plants purchased from L. Konijn & Company, Reeuwijk. Numbered Nov. 14, 1961.

277346. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. Pinaceae.

Hinoki falsecypress.

'Lutea Nova'.

277347. *CHAMAECYPARIS PISIFERA* (Sieb. & Zucc.) Endl.

Sawara retinospora.

'Compacta Variegata'.

277348. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endl.

Pinaceae.

Hinoki falsecypress.

From the Netherlands. Plants purchased from the Old Farms Nursery, Boskoop. Numbered Nov. 14, 1961.

'Lycopodioides Aurea'. A sport of *C. obtusa* 'Lycopodioides' with bright yellow leaves.

277349. ALLIUM CEPA L. Liliaceae. Onion.

From Lebanon. Bulbs presented by the American University of Beirut, Beirut. Received Nov. 14, 1961.

'Suri'.

277350. HIBISCUS HETEROPHYLLUS Vent. Malvaceae.

From Australia. Seeds presented by the Department of Agriculture and Stock, Brisbane. Received Nov. 14, 1961.

Clay loam soil, cleared softwood scrub, Tierawoomba, southeast of Nebo, Leichhardt District. Shrub to 10 feet high, readily eaten by stock.

277351. CAMELIA ASSIMILIS Champ. ex Benth. Theaceae.

From Hong Kong. Seeds presented by the Gardens Division, Urban Services Department, Victoria. Received Nov. 14, 1961.

277352 to 277354.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Nov. 20, 1961.

277352. AGROPYRON CRISTATUM (L.) Gaertn. Poaceae.

Crested wheatgrass.

277353. AGROPYRON DESERTORUM (Fisch. ex Link) Schult.

Standard wheatgrass.

277354. AGROPYRON DESERTORUM (Fisch. ex Link) Schult.

Standard wheatgrass.

277355 to 277363. GLORIOSA (hybrids). Melanthiaceae.

From Rhodesia. Seeds presented by S. P. Lancaster, Salisbury. Received Nov. 20, 1961.

277355. 'African Chief' (Superba type).

277356. 'Aurora' (Latifolia type).

277357. 'Crimson King' (Simplex type).

277358. 'Lilac Lady' (Carsoni type).

277359. 'Orange Gem' (Virescens type).

277360. 'Orange Gift' (Virescens type).

277361. 'Orange King' (Virescens type).

277362. 'Red Glory' (Magnifica type).

277363. 'Twisted Tips' (Superba type).

277364. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Japan. Seeds presented by the Japanese Food Agency, Food and Agricultural Organization. Received Nov. 20, 1961.

Norin No. 10. Reportedly rust resistant.

277365. SACCHARUM SPONTANEUM L. Poaceae.

From India. Seeds collected by J. R. Harlan, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Maryland. Received Nov. 20, 1961.

Stream bed, 20 miles from Dehra Dun, road to Saharanpur. Plants to 9 feet high; bunchgrass with white plumes.

277366. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae.

Cauliflower.

From Canada. Seeds presented by Stokes Seeds, Limited, Ontario. Received Nov. 20, 1961.

'Super Junior' (Syn: 'Snowcap').

277367 to 277378.

From Japan. Seeds presented by the Laboratory of Plant Breeding, College of Agriculture, Utsumomiya University, Utsumomiya. Received Nov. 20, 1961.

277367 to 277372. VICIA (hybrids). Fabaceae.

277367. Amphidiploid; early flowering.

277368. No. 1. Originally from China.

277369. No. 4. Originally from China.

277370. No. 5. 'Nasu Hybrid'. From Nishinasune.

277371. No. 6. 'Nasu Hybrid'. From Nishinasune.

277372. No. 9. 'Nasu Hybrid'. From Nishinasune.

277373 to 277376. VICIA ANGUSTIFOLIA L. Fabaceae.

277373. 'Nasu No. 1'. Selected from wild lines. From Nishinasune.

277374. 'Nasu No. 7'. Selected from wild lines. From Nishinasune.

277375. Parent of amphidiploid 1955.

277376. Parent of hybrid lines 1961.

277377 and 277378. VICIA SATIVA L.

Common vetch.

277377. Parent of amphidiploid lines. Originally from China.

277378. Parent of hybrid lines. Originally from China.

277379 to 277403. HORDEUM VULGARE L. Poaceae.

From Ethiopia. Seeds presented by I. E. Siegenthaler, Oklahoma State University representative, Jimma. Received Nov. 29, 1961.

Sample No.	Area or market	Village	Province		
277379.	S-1	Janjero	Seharo	Kaffa	
277380.	S-2	Janjero	Seharo	Kaffa	
277381.	S-3	Mizan Teferi	Mizan Teferi	Kaffa	
277382.	S-4	Mizan Teferi	Mizan Teferi	Kaffa	Seeds blackish.
277383.	S-5	Mizan Teferi	Mizan Teferi	Kaffa	Seeds gray.
277384.	S-6	Mizan Teferi	Mizan Teferi	Kaffa	Seeds gray.
277385.	S-7	Ch-ela-lo	Asala	Shoa	
277386.	S-8	Ch-ela-lo	Asala	Shoa	
277387.	S-9	Adi Ugri	Adi Ugri	Tigre	
277388.	S-10	Chekanus	Chekanus	Harrar	
277389.	S-11	Bede Gebabe	Fiche	Shoa	Seeds gray.
277390.	S-13	Ada Debabe	Fiche	Shoa	
277391.	S-15	Galetcha	Galetcha	Shoa	
277392.	S-17	Galetcha	Galetcha	Shoa	Seeds blackish.
277393.	S-18	Holleta	Holleta	Shoa	Seeds blackish.
277394.	S-19	Dadi	near Holleta	Shoa	
277395.	S-20	Sekekala			
277396.	S-21	Galichi	near Fiche	Shoa	
277397.	S-22	Ch-ela-lo	Asala	Arussi	
277398.	S-24	Samarita		U.S.A.	Seeds gray.

277379 to 277403—Continued

<i>Sample No.</i>	<i>Area or market</i>	<i>Village</i>	<i>Province</i>
277399. S-25	Alemaya	Alemaya	Harrar Seeds blackish.
277400. S-26	Debre Berhan	Debre Berhan	Shoa
277401. S-27	Debre Berhan	Debre Berhan	Shoa
277402. S-29	Debre Berhan	Debre Berhan	Shoa
277403. S-31	Debre Berhan	Debre Berhan	Shoa

277404 to 277418.

From Afghanistan. Seeds collected by the United States Operations Mission, Kabul. Received Nov. 20, 1961.

277404. BRASSICA RAPA L. Brassicaceae.	Turnip.
An early red, from Tarnab Farm, Peshawar.	
277405. CUCURBITA PEPO L. Cucurbitaceae.	Pumpkin.
277406 to 277418. ORYZA SATIVA L. Poaceae.	Rice.

277406. 'Daraduni Sardi'.
 277407. 'Donduni Kunluz'.
 277408. 'Kala Khosha Kundry'.
 277409. 'Khoshen Chernti'.
 277410. 'Lawongi Safait'.
 277411. 'Longi Kunduy'.
 277412. 'Monda Kunduy'.
 277413. 'Narrow Columi Kundry'.
 277414. 'Red Khosha Cerma'.
 277415. 'Safut Khosha'.
 277416. 'Safut Khosha Cerma'.
 277417. 'Shevkati Kundry'.
 277418. 'Sook Khosha'.

277419. PIERIS JAPONICA (Thunb.) G. Don Ericaceae.
Japanese pieris.

From Japan. Rooted cuttings and scions presented by the Horticulture Section, Ministry of Agriculture and Forestry, Tokyo. Received Nov. 21, 1961.

Red-flowered form.

277420. PYRUS COMMUNIS L. Malaceae.

From the Union of Soviet Socialist Republics. Trees presented by the All-Union Institute of Plant Industry, Leningrad. Received Nov. 6, 1961.

'Dessertnaia'. From the Rossoshansk Fruit Station.

277421. THYRSIA sp. Poaceae.

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 22, 1961.

Col. No. 1216. Upper Kulu Valley, 300 feet above Manli. Plant cornlike.

277422. CITRUS sp. Rutaceae.

From Puerto Rico. Budsticks presented by the Agricultural Experiment Station, Rio Piedras. Received Nov. 22, 1961.

'Chironja'.

277423 and 277424.

From Ethiopia. Cuttings and bulbs collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 22, 1961.

277423. PLECTRANTHUS MARRUBIODES Hochst. Menthaceae.

Col. No. 7459. One hundred feet above Acachi River, 10 miles south of Addis Ababa, Shoa Prov. Elevation 6,830 feet. Wide-spreading, mostly decumbent, perennial; stems lax; leaves in tufts along stem, gray green, succulent; flowers in spikes, dark blue. Cuttings.

277424. (Undetermined.)

Col. No. 7467. Bulbs.

277425 to 277429. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From countries indicated. Selections from previous accessions made at the U.S. Regional Plant Introduction Station, Geneva, New York. Numbered Nov. 22, 1961.

277425. Selection from P.I. 204591, from Turkey. Plant vigorous, leafy, to 32 inches high and 60 inches wide; stems large; leaves large, dark green; good seeder. Excellent winter hardiness, spring vigor and summer recovery. Slight susceptibility to black stem and medium susceptibility to leaf spot.

277426. Selection from P.I. 204903, from Turkey. Plant vigorous, densely, leafy, to 32 inches high and 65 inches wide; stems medium size; leaves large, dark green. Excellent winter hardiness, spring vigor and summer recovery. Slightly susceptible to black stem and leaf spot.

277427. Selection from P.I. 217419, from Denmark. Plant erect, vigorous, to 37 inches high and 54 inches wide; stems large; side branches long; leaves large, dark green; flowers variegated; good seeder. Excellent winter hardiness, spring vigor and summer recovery. Very susceptible to black stem and leaf spot.

277428. Selection from P.I. 234788, from Sweden. Plants vigorous, to 26 inches high and 65 inches wide; leaf size, color, flowering time and black stem susceptibility variable. Excellent winter hardiness, spring vigor and summer recovery.

277429. Selection from P.I. 237723, from Germany. Plant erect, vigorous, leafy, to 40 inches high and 56 inches wide; stems large; leaves large, dark green; flowers variegated, late. Excellent winter hardiness, spring vigor and summer recovery. Some plants tolerant to black stem but susceptible to leaf spot.

277430 to 277440. TRIFOLIUM SUBTERRANEUM L. Fabaceae. Subterranean clover.

From Australia. Seeds presented by the Division of Plant Industry, Department of Agriculture, Sydney. Received Nov. 24, 1961.

277430. 'Bacchus Marsh'.	277436. 'Howard'.
277431. 'Burnerang'.	277437. 'Marrar'.
277432. 'Carnamah'.	277438. 'Mt. Barker'.
277433. 'Clare'.	277439. 'Tallarook'.
277434. 'Dwalganup'.	277440. 'Yarloop'.
277435. 'Geraldton'.	

277441. WENZELIA DOLICHOPHYLLA Tanaka Rutaceae.

From New Guinea. Seedlings presented by Division of Botany, Department of Forests, Lae. Received Nov. 28, 1961.

Collected in Gogol Valley, Madang District.

277442. STERCULIA URENS Roxb. Sterculiaceae. Bottletree.

From India. Seeds presented by the Forest Research Institute and College Dehra Dun. Received Nov. 28, 1961.

277443 to 277455.

From sources indicated. Seeds held in storage at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Nov. 28, 1961.

277443. PLANTAGO LANCEOLATA L. Plantaginaceae.

B-52424. Source unknown.

277444 to 277449. PLANTAGO OVATA Forsk.

277444. B-49956. Source unknown. Seed packet marked, "1954-Johnson & Salesbury, Inc."

277445. B-49957. Received from Advance Seed Co., Phoenix, Arizona.

277446. B-49958. Source unknown. Seed packet marked "Tetraploid 52-30-6, 1954".

277447. B-51671. 'Kartoon' Knowles No. 978. Collected in bazaar, Cairo, Egypt. Cultivated.

277448. B-52176. Source unknown. Seed packet marked "1957 crop. Tempe, Arizona".

277449. B-52525. Received from Advance Seed Co., Phoenix, Arizona, 1957.

277450 and 277451. PLANTAGO PSYLLIUM L. Flaxseed plantain.

277450. B-49960. Source unknown. Seed packet marked "Johnson & Salesbury, Inc., March 1953".

277451. B-52173. Source unknown. Seed packet marked "Tempe, Arizona, 1152".

277452. PLANTAGO sp.

B-51672. Knowles No. 810. Collected in bazaar Teheran, Iran.

277453. PLANTAGO sp.

B-52171. Seed packet marked "Lot 1158 from Tempe, Arizona, May 1959".

277454. PLANTAGO sp.

B-52172. Received from Advance Seed Co., Phoenix, Arizona. No. 5.

277455. PLANTAGO sp.

B-52175. Source unknown. Seed packet marked "Tempe, Arizona, 1959".

277456 to 277487.

From the United States, unless otherwise noted. Plants growing at the United States Plant Introduction Station, Miami, Florida. Numbered Nov. 29, 1961.

277456. CITROPSIS SCHWEINFURTHII (Engler) Swingle & Kellerman Rutaceae.

P.I.S. 17539. Plants received March 1960, from the Citrus Experiment Station, Lake Alfred.

277457 and 277458. DIMOCARPUS LONGAN Lour. Sapindaceae. Lungan.

277457. P.I.S. 17428. Plants received June 1959, from Hawaii. Fruit large, quality good.

277458. P.I.S. 17431. Marcots received July 1959, from Hialeah.

277456 to 277487—Continued

277459. *EUGENIA UNIFLORA* L. Myrtaceae. **Surinam-cherry.**

P.I.S. 17521. Budwood received January 1960, from Hialeah.

277460 to 277475. *LITCHI CHINENSIS* Sonner Sapindaceae. **Lychee.**

Plants received July 1959, from University of Miami, unless otherwise indicated.

277460. P.I.S. 17438. *Ambonia* seedling.

277461. P.I.S. 17448. 'Brewster'.

277462. P.I.S. 17454. 'Brewster'. Plants received June 1959, from the Newcomb Nursery, Homestead.

277463. P.I.S. 17469. 'Brewster'. Marcots received Nov. 1959, from the Subtropical Experiment Station, Homestead.

277464. P.I.S. 17443. 'Brewster' on 'Brewster'.

277465. P.I.S. 17446. 'Fi-Tsu-Siu'.

277466. P.I.S. 17447. 'Freke-Hays No. 1'.

277467. P.I.S. 17445. 'Freke-Hays No. 3'.

277468. P.I.S. 17444. 'Groff'.

277469. P.I.S. 17437. 'Groff' on 'Bengal' seedling.

277470. P.I.S. 17439. 'Hueng-Lai'.

277471. P.I.S. 17520. 'Jumbo'. Marcot received January 1960, from Hialeah. Fruit large. Selection from Avon Park.

277472. P.I.S. 17440. 'Late Globe'.

277473. P.I.S. 17441. 'Mauritius'.

277474. P.I.S. 17436. 'Peerless'.

277475. P.I.S. 17538. 'Yellow-red'. Plant received March 1960, from Osprey. Has "chicken-tongue" seed.

277476 to 277480. *MANGIFERA INDICA* L. Anacardiaceae. **Mango.**

Budwood received May 1959, from the Subtropical Experiment Station, Homestead.

277476. P.I.S. 17452. 'Irwin'.

277477. P.I.S. 17451. 'Keitt'.

277478. P.I.S. 17450. 'Kent'.

277479. P.I.S. 17449. 'Sensation'.

277480. P.I.S. 17453. 'Zill'.

277481. *PASSIFLORA EDULIS* Sims Passifloraceae. **Purple granadilla.**

P.I.S. 17457. Cuttings received August 1959, from the Subtropical Experiment Station, Homestead.

277482. *PASSIFLORA EDULIS* f. *FLAVACARPA* Degener.

P.I.S. 17456. Cuttings received August 1959, from the Subtropical Experiment Station, Homestead. Sets fruit well without hand pollination.

277483. *PASSIFLORA SUBEROSA* L.

Cork passionflower.

P.I.S. 17435. Plants received July 1959, from H. F. Loomis. Native, self fruitful species.

277484. *PASSIFLORA VITIFOLIA* HBK.

P.I.S. 17585. Plants received June 1960, from Fort Lauderdale. Red-flowered passion vine.

277456 to 277487—Continued

277485 to 277487. *PERSEA AMERICANA* Mill. Lauraceae. **Avocado.**

277485. P.I.S. 17459. Seed received August 1959, from the University of Florida, Gainesville. May be cold resistant.

277486. P.I.S. 17468. Seed received September 1959 from Riverside, California. Seed from 'Duke'.

277487. P.I.S. 17461. 'Duke'. Budwood received September 1959, from Riverside, California. Virus-free.

277488. AMPELOCISSUS ACAPULCENSIS (HBK.) Planch Vitaceae.

From Mexico. Plants growing at the United States Plant Introduction Station, Miami, Florida. Numbered Nov. 29, 1961.

P.I.S. 17533. Tubers collected in wild 20 miles southeast of Autlan, Jalisco, July 1951, by H. S. Gentry (10967), in mixed forest. Elevation 2,500 feet. Large, coarse vine; fruits large, in heavy, tight clusters, reddish to purple, sweet; skin and pulp tough.

277489. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Spain. Seeds presented by the United States Operations Mission, Madrid. Received Nov. 30, 1961.

'Mielga'.

277490 to 277492. ZEA MAYS L. Poaceae. Corn.

From Peru. Seeds presented by the University of Massachusetts, Amherst. Received Nov. 30, 1961.

Collected at elevations of 1,375 to 2,750 meters.

277490. 'Blanco San Geronimo'. Kernels large, pale yellow, flowery, 1.7 by 1.3 cm.

277491. 'Cabana'. Kernels brownish white, flowery, flat, tapering to base, flat top, 1.7 by 1.1 cm.

277492. 'Morocho Ayacuchano'. Yellow flint. Kernels not deep, rounded at top, 1.4 by 1.2 cm.

277493 and 277494.

From the Sudan. Seeds presented by the Cotton Breeding Section, Khartoum. Received Nov. 30, 1961.

277493. *GOSSYPIUM* sp. Malvaceae.

277494. *NOTOXYLINON AUSTRALE* (Muell.) Lewton Malvaceae.

Collected from plants in wild.

277495. BAUHINIA FASSOGLENSIS Kotschy Caesalpinaceae.

From Tanganyika. Seeds presented by the Northern Regional Research Centre, Arusha. Received Dec. 1, 1961.

Collected at Ilonga, Kilosa.

277496 and 277497. RICINUS COMMUNIS L. Euphorbiaceae.

Castorbean.

From Thailand. Seeds presented by the Department of Agriculture, Bangkok. Received Dec. 1, 1961.

277496. No. 1. Seeds large, reddish.

277497. No. 2. Seeds large, whitish.

277498 to 277504.

From the Republic of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria. Received Dec. 1, 1961.

277498 and 277499. *VIGNA CYLINDRICA* (L.) Skeels Fabaceae. **Catjang.**

277498. DL/61/1433. Seeds brown.

277499. DL/61/1434. Seeds brown.

277500 and 277501. *VIGNA LUTEOLA* (Jacq.) Benth.

277500. DL/61/1431. Seed small, dark brown.

277501. DL/61/1432. Seed large, black.

277502. *VIGNA SINENSIS* (Torner) Savi **Cowpea.**

DL/61/1436. Seeds reddish brown.

277503. *VIGNA VEXILLATA* (L.) A. Rich.

DL/61/1435. Seed dark brown.

277504. *VIGNA* sp.

DL/61/1437. 'Ex Zeerust'. Seeds small, greenish brown.

277505 to 277508. *CARISSA EDULIS* Vahl Apocynaceae.

From Nigeria. Seeds presented by Harold A. Royer, Waka via Biu and Yola. Received Dec. 1, 1961.

277505. No. 1. One-seeded. 277507. No. 3. Three-seeded.

277506. No. 2. Two-seeded. 277508. No. 4. Unselected.

277509. *ERIOCHRYSIS PALLIDA* Munro Poaceae.

From the Republic of South Africa. Seeds presented by the Division of Botany, Pretoria. Received Dec. 1, 1961.

277510. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae.

Berseem clover.

From Israel. Seeds presented by the Institute of Agronomy and Garden Crops, Plant Introduction Service, Beit-Dagan. Received Dec. 1, 1961.

'Musgabi'. Naturalized.

277511. *TERAMNUS LABIALIS* (L.) Spreng. Fabaceae.

From the United States Virgin Islands. Seeds collected at Experiment Station, Kingshill, St. Croix. Numbered Dec. 1, 1961.

'Blue Wiss'. Prostrate vine in wild; flowers small. Of possible use in grass-legume pasture combination in dry soils of low fertility.

277512 to 277516. *SACCHARUM OFFICINARUM* L. Poaceae.

Sugarcane.

From India. Cuttings presented by the Sugar Cane Breeding Institute, Coimbatore. Received Dec. 4, 1961.

277512. SES 33. 277515. SES 369.

277513. SES 120A. 277516. SES 372.

277514. SES 361.

277517. *ORNITHOGALUM ARABICUM* L. Liliaceae.

Arabian star-of-Bethlehem.

From Israel. Bulbs presented by the Hebrew University, Rehovoth. Received Dec. 4, 1961.

277518. MALUS TRILOBATA (Labill.) Schneid. Malaceae.

From the Netherlands. Budsticks presented by the Rijks Tuinbouw School, Wageningen. Received Dec. 5, 1961.

277519 to 277524.

From the Netherlands. Plants purchased from F. J. Groostendorst & Sons, Boskoop. Received Dec. 5, 1961.

277519 to 277523. HIBISCUS SYRIACUS L. Malvaceae . Shrub-althea.

277519. 'Celestial Blue'.

277520. 'Lady Stanley'.

277521. 'Roseus Plenus'.

277522. 'Speciosus'.

277523. 'Violet Clair'. Flowers double.

277524. VIBURNUM PLICATUM f. MARIESSI (Veitch) Rehd. Caprifoliaceae.

277525 to 277529. PYRUS COMMUNIS L. Malaceae.

From France. Cuttings presented by the Museum National d'Histoire Naturelle, Paris. Received Dec. 5, 1961.

277525. 'Guenette'.

277528. 'Sanguine d'Italie'.

277526. 'Petit Muscat'.

277529. 'Sanguinole'.

277527. 'Sanguine'.

277530 to 277532.

From Ethiopia. Cuttings and rhizomes collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 6, 1961.

277530. KALANCHOE DENSIFLORA Rolfe Crassulaceae.

Col. No. 7513. Bridge over Acachi River, 10 miles south of Addis Ababa, Shoa Province. Elevation 6,835 feet. Not usually epiphytic, but of rocky places. Probably scattered by birds. Succulent perennial to 30 inches high; flowers orange.

277531. KALANCHOE MARMORATA Baker

Col. No. 7518. South-facing, rocky, grassy slopes, above a branch of the Acachi River, about two miles northeast of main road at Acachi, Shoa Province. Elevation 6,900 feet. Succulent, often tufted perennial, about 24 inches high; leaves strongly marmorate; flowers pure white, 3 inches long.

277532. (Undetermined.) Liliaceae.

Col. No. 7478. On grassy slopes, near top of valley, 10 miles south of Addis Ababa, above the Acachi River, Shoa Province, with *Hyparrhenia rosea* and *Crotalaria* sp. Elevation 6,835 feet. Rhizomatous perennial; flowering stalks to 30 inches high, but out of flower at this season.

277533. BISERRULA PELECINUS L. Fabaceae.

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received Dec. 6, 1961.

FAO No. 10.176. From Instituto di Botanica, Orto Botanico, Università di Catania, Catania, Sicily.

277534. GLYCINE JAVANICA L. Fabaceae.

From the Republic of South Africa. Seeds presented by the Citrus and Sub-tropical Horticultural Research Station, Nelspruit. Received Dec. 6, 1961.

277535. TRIFOLIUM AMBIGUUM Bieb. Fabaceae. Kura clover.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Dec. 8, 1961.

This seed shipment was accompanied by soil sample in an effort to obtain a better inoculum for this species.

277536 to 277544. SORGHUM BICOLOR (L.) Moench Poaceae.

From the Republic of South Africa. Seeds presented by the Agricultural Technical Services, Pretoria. Received Dec. 8, 1961.

277536. DL/61/1405. PS 281. 'Tjolutjo'.
 277537. DL/61/1406. PS 141. 'Vorster'.
 277538. DL/61/1407. PS 294. BC2MS.
 277539. DL/61/1408. PS 216. 'Radar'.
 277540. DL/61/1409. PS 279. SB 217.
 277541. DL/61/1410. PS 226. 'Short Framida'.
 277542. DL/61/1411. PS 295. SUK 1.
 277543. DL/61/1412. PS 141. 'Short Vorster'.
 277544. DL/61/1413. PS 293. 42b.

277545 to 277629. VITIS VINIFERA L. Vitaceae. European grape.

From Italy. Cuttings presented by the Università Degli Stido, Bari. Received December 14, 1961.

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| 277545. No. 74-A. | 277568. No. 87-A. |
| 277546. No. 74-B. | 277569. No. 87-B. |
| 277547. No. 75-A. | 277570. No. 88-A. |
| 277548. No. 75-B. | 277571. No. 88-B. |
| 277549. No. 76-A. | 277572. No. 89-A. |
| 277550. No. 76-B. | 277573. No. 89-B. |
| 277551. No. 77. | 277574. No. 90-A. |
| 277552. No. 78-A. | 277575. No. 90-B. |
| 277553. No. 78-B. | 277576. No. 91-A. |
| 277554. No. 78-C. | 277577. No. 91-B. |
| 277555. No. 80. | 277578. No. 92-A. |
| 277556. No. 81-A. | 277579. No. 92-B. |
| 277557. No. 81-B. | 277580. No. 93-A. |
| 277558. No. 82-A. | 277581. No. 93-B. |
| 277559. No. 82-B. | 277582. No. 94-A. |
| 277560. No. 83-A. | 277583. No. 94-B. |
| 277561. No. 83-B. | 277584. No. 95-A. |
| 277562. No. 84-A. | 277585. No. 95-B. |
| 277563. No. 84-B. | 277586. No. 96-A. |
| 277564. No. 85-A. | 277587. No. 96-B. |
| 277565. No. 85-B. | 277588. No. 97. |
| 277566. No. 86-A. | 277589. No. 98. |
| 277567. No. 86-B. | 277590. No. 99. |

277545 to 277629—Continued

277591. No. 100.	277611. No. 116-B.
277592. No. 101.	277612. No. 117-A.
277593. No. 102.	277613. No. 117-B.
277594. No. 103.	277614. No. 118-A.
277595. No. 104.	277615. No. 118-B.
277596. No. 105.	277616. No. 119-A.
277597. No. 106.	277617. No. 119-B.
277598. No. 107.	277618. No. 120-A.
277599. No. 108.	277619. No. 120-B.
277600. No. 109.	277620. No. 121-A.
277601. No. 110.	277621. No. 121-B.
277602. No. 111.	277622. No. 122.
277603. No. 112-A.	277623. No. 123.
277604. No. 112-B.	277624. No. 124.
277605. No. 113.	277625. No. 125.
277606. No. 114-A.	277626. No. 126.
277607. No. 114-B.	277627. No. 127-A.
277608. No. 115-A.	277628. No. 127-B.
277609. No. 115-B.	277629. No. 127-C.
277610. No. 116-A.	

277630 to 277634.

From Japan. Plants and cuttings presented by the Botanical Garden, Osaka City University, Katano, Osaka. Received Dec. 14, 1961.

277630. *HIBISCUS MICRANTHUS* L. f. Malvaceae.

277631 to 277633. *HIBISCUS SYRIACUS* L. Shrub-althea.

277631. 'Shiro-syorin'. Flowers single.

277632. Seedling No. 11. Flowers semidouble.

277633. 'Soft Pink'.

277634. *OPUNTIA* sp. Cactaceae.

**277635 and 277636. *IPOMOEA BATATAS* (L.) Lam.
Convolvulaceae.**

Sweetpotato.

From Spain. Tubers presented by the Instituto Nacionale de Investigaciones Agronomicas, Madrid. Received Dec. 14, 1961.

277635. I.A.S.9. Stems medium thick, short; petiole short, purple; leaves small, somewhat lobed; veins purple; tubers small, globose; skin and flesh clear yellow.

277636. I.A.S.12. Stem medium thick; leaves large, nearly entire; peduncle long, purple; tubers large, globose, attachment prolonged; skin red; flesh clear yellow.

277637. *ABIES FIRMA* Sieb. & Zucc. Pinaceae. Momi fir.

From Japan. Cuttings presented by Ibaraki University, Ibaraki Prefecture. Received Dec. 14, 1961.

Plant from Fukushima Prefecture.

277638 to 277644. HIBISCUS SYRIACUS L. Malvaceae.**Shrub-althea.**

From France. Plants purchased from F. Delaunay, Establishments Horticoles et Pepinieres, Angers (Maine et Loire). Received Dec. 15, 1961.

277638. 'Leopoldi'.
 277639. 'Purpureus Variegatus'.
 277640. 'Roseus Plenus'.
 277641. 'Rubra Grandiflora'.
 277642. 'Sir de Charles Breton'.
 277643. 'Totus Albus'.
 277644. 'Woodbridge'.

277645 to 277651.

From Ireland. Cuttings presented by the Earl of Rosse, Birr Castle, Birr Offaly. Received Dec. 15, 1961.

277645. HIBISCUS PARAMUTABILIS L. H. Bailey Malvaceae.
 277646. HIBISCUS SINOSYRIACUS L. H. Bailey.
 277647. VIBURNUM EROSUM Thunb. Caprifoliaceae.
 YU 15054.

277648. VIBURNUM OVATIFOLIUM Rehder **Eggleaf viburnum.**
 277649. VIBURNUM WILSONII Rehder
 277650. VIBURNUM sp.
 PYU 13561.
 277651. VIBURNUM sp.
 PYU 14961.

277652 and 277653.

From Japan. Seeds presented by the Ibaraki University, Ibaraki Prefecture. Received Dec. 15, 1961.

277652. CITRUS TUMIDA Hort. ex Tanaka Rutaceae.
 From Mount Tsukuba, Ibaraki Prefecture.
 277653. RAPHIOLEPIS UMBELLATA (Thunb.) Makino Malaceae.
Yeddo-hawthorn.

From Oomura.

277654. COMBRETUM AUBLETII DC. Combretaceae.

From Venezuela. Seeds and budsticks presented by the Instituto Botanico, Apartado 2156, Caracas. Received Dec. 15, 1961.

277655 to 277662.

From Germany. Plants purchased from Herm. A. Hesse Baumschulen, Weener. Received Dec. 18, 1961.

277655. HIBISCUS SYRIACUS L. Malvaceae. **Shrub-althea.**
 'Lady Stanley'.
 277656. PYRACANTHA COCCINEA Roem. Malaceae. **Scarlet firethorn.**
 'Orange Giant'.
 277657. VIBURNUM ERUBESCENS Wall. ex DC. Caprifoliaceae.
 277658. VIBURNUM ICHANGENSE (Hemsl.) Rehder

277655 to 277662—Continued

277659. *VIBURNUM LOBOPHYLLUM* Graebn.
 277660. *VIBURNUM* × *RHYTIDOCARPUM* Lemoine
 277661. *VIBURNUM UTILE* Hemsl. **Service viburnum.**
 277662. *VIBURNUM WRIGHTII* var. *HESSEI* (Koehne) Rehder

277663 to 277665.

From Japan. Seeds presented by the Biological Institute, Ibaraki University, Mito. Received Dec. 18, 1961.

277663. *ACTINODAPHNE LANCIFOLIA* Meisen. Lauraceae.
 277664. *RAPHIOLEPSIS UMBELLATA* (Thunb.) Makino Malaceae.
Yeddo-hawthorn.

'Mertensii'.

277665. *RHODODENDRON DEGRONIANUM* f. *SPONTANEUM* Nakai Ericaceae.

277666 and 277667. PHASEOLUS VULGARIS L. Fabaceae.

From the British West Indies. Seeds presented by the Superintendent of Agriculture, Nassau, Bahamas. Received Dec. 18, 1961.

277666. 'Calico Bean' ('Calico Jacket', 'Coloured Bean'). Beans mottled. Said to be grown around Key West, Florida, where it is called 'K. W. Bean'.

277667. 'White Bean'.

277668 and 277669. DAUCUS CAROTA L. Apiaceae. Carrot.

From the Netherlands. Seeds presented by N. V. Sluis en Groot's, Enkhuizen. Received Dec. 18, 1961.

277668. 'Amsterdam Forcing'.
 277669. 'Amsterdam Vollegronds'.

277670 to 277684. TRITICUM DICOCCUM Schrank Poaceae.

Emmer.

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received Dec. 18, 1961.

277670. No. 2153. 'Escandia de Malvedo'.
 277671. No. 2155. 'Escandia'.
 277672. No. 2448. 'Escana Doble Valvude de Jucar'.
 277673. No. 2471. 'Farrum'.
 277674. No. 2472. 'Farrum'.
 277675. No. 2473. 'Farrum'.
 277676. No. 2474. 'Rufum'.
 277677. No. 2475. 'Rufum'.
 277678. No. 2476. 'Rubriramosum'.
 277679. No. 2477. 'Macratherum'.
 277680. No. 2478. 'Rubriramosum'.
 277681. No. 2479. 'Atratum'.
 277682. No. 2480. 'Melanurum'.
 277683. No. 2482. 'Majus'.
 277684. No. 2487. 'Novicium'.

277685 to 277697.

From Japan. Seeds presented by the National Agricultural Research Institute, Hiratsuka City, Kanagawa-ken. Received Dec. 18, 1961.

277685. RHODODENDRON KOMIYAMAE Makino Ericaceae.

Azalea No. 12. From farmhouse garden at Jurigi.

277686 to 277694. Seeds collected from individual plants behind farmhouse, Jurigi village.

277686. RHODODENDRON sp.

Azalea No. 1.

277687. RHODODENDRON sp.

Azalea No. 2.

277688. RHODODENDRON sp.

Azalea No. 3.

277689. RHODODENDRON sp.

Azalea No. 4.

277690. RHODODENDRON sp.

Azalea No. 5.

277691. RHODODENDRON sp.

Azalea No. 6.

277692. RHODODENDRON sp.

Azalea No. 7.

277693. RHODODENDRON sp.

Azalea No. 8.

277694. RHODODENDRON sp.

Azalea No. 9.

277695. RHODODENDRON sp.

Azalea No. 10. From farmhouse garden near Jurigi village.

277696. RHODODENDRON sp.

Azalea No. 11. From farmhouse garden at Jurigi.

277697. RHODODENDRON sp.

Azalea No. 13. Seeds collected from individual plants behind farmhouse, Jurigi village.

277698 to 277701.

From Brazil. Seeds presented by D. Aytai, Campinas, Estado de Sao Paulo. Received Dec. 18, 1961.

277698. VIGNA SINENSIS (Torner) Savi Fabaceae. Cowpea.

277699 to 277701. ZEA MAYS L. Poaceae. Corn.

Obtained from native Indian tribes geographically isolated for about a century. Seeds fall off the ear when dry; kernels soft.

277699. Kernels red.

277700. Kernels white.

277701. Kernels bluish-violet.

277702 and 277703. PRUNUS PERSICA (L.) Batsch
Amygdalaceae. Peach.

From France. Trees presented by Llugany Jacques & Fils, Elné. Received Dec. 20, 1961.

277702. 'Madeleine Pouvet'. Fruit ripens extremely early, commencing May 15, in Roussillon region, France, and finish about the end of the month.

277703. 'Super Madeleine Pouvet'. Fruit larger than 'Madeleine Pouvet'.

277704. HIBISCUS MICRANTHUS L. f. Malvaceae.

From Japan. Seeds presented by the Botanical Garden, Osaka University, Osaka. Received Dec. 20, 1961.

277705 and 277706. MEDICAGO SATIVA var. GAETULA Urban
Fabaceae.

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Originally from Algeria. Received Dec. 20, 1961.

277705. FAO No. 3249.

277706. FAO No. 3317.

277707. ORYZA SATIVA L. Poaceae. Rice.

From Italy. Seeds presented by the Istituto di Patologia Vegetale dell' Università, Milan. Received Dec. 20, 1961.

'Riso Trionfo'. Line 8-B.

277708. MEDICAGO SATIVA var. GAETULA Urban Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Dec. 20, 1961.

C.P.I. 21958. Originally received from Rome, Italy as FAO No. 3276.

277709. DAUCUS CAROTA L. Apiaceae. Carrot.

From the Netherlands. Seeds presented by N. V. Rikj Zwaan, Rotterdam. Received Dec. 20, 1961.

'Amsterdammer Bak'.

277710 and 277711. DAUCUS CAROTA L. Apiaceae. Carrot.

From the Netherlands. Seeds presented by N. V. Nunhem's Zaden, Haalen. Received Dec. 20, 1961.

277710. 'Amsterdamse Zoete Bak'.

277711. 'Springtime'.

277712 to 277719. RUBUS IDAEUS var. STRIGOSUS Maxim.
Rosaceae. Common red raspberry.

From Great Britain. Plants presented by the Scottish Horticultural Research Institute, Mylnefield, Invergowrie, by Dundee, Scotland. Received Dec. 21, 1961.

277712. 'Malling Enterprise'. 277716. 'Malling Promise'.

277713. 'Malling Landmark'. 277717. 'Norfolk Giant'.

277714. 'Malling Jewel'. 277718. 'Lloyd George'.

277715. 'Malling Exploit'. 277719. 'Burnethorn Seedling'.

277720 to 277724.

From the Neiderlands. Plants purchased from the Old Farm Nurseries, Boskoop. Received Dec. 21, 1961.

277720. *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds Verbenaceae.
 277721. *CARYOPTERIS* *INCANA* (Thunb.) Miquel Common bluebeard.
 277722. *MAGNOLIA* *SIEBOLDII* K. Koch Magnoliaceae. Oyama magnolia.
 277723. *MAGNOLIA* × *SOULANGEANA* var. *LENNI* (VanHouette) Rehder
 277724. *PYRACANTHA* *COCCINEA* var. *LELANDEI* (Duren) Dippel Malaceae.
 Leland firethorn.

'Orange Glow'.

277725 to 277727. VITIS VINIFERA L. Vitaceae. European grape.

From Italy. Cuttings presented by Arturo Ansaloni, Bologna. Received Dec. 27, 1961.

277725. 'Anna Maria'. A, B, C, D and E.
 277726. 'Montuni'. A, B, C, D and E.
 277727. 'Ortrugo'. A, B, C, D and E.

277728 to 277731.

From Japan. Seeds presented by the Kyushu Agricultural Experiment Station, Kyushu. Received Dec. 28, 1961.

- 277728 and 277729. *RHODODENDRON* *JAPONICUM* (Gray) Schneid.
 Ericaceae. Japanese azalea.
 277728. 'Flavum'. From cultivated plant.
 277729. Red-flowered form.
 277730 and 277731. *SYMPLOCOS* *LUCIDA* Sieb. & Zucc. Symplocaceae.
 277730. 'Oomra'.
 277731. 'Oomura'.

277732 and 277733.

From Japan. Seeds presented by the Ofunato Regional Forestry Office, Ofunato. Received Dec. 28, 1961.

277732. *RHODODENDRON* *JAPONICUM* (Gray) Schneid. Ericaceae.
 Japanese azalea.

Collected at Ubaishi Setamae, Sumida-cho, Kesen-gun, Iwate Prefecture.

277733. *CAMELLIA* *JAPONICA* L. Theaceae. Common camellia.

Collected along roadside near Mikako, Iwate Prefecture. This is the northern limit of distribution along the Pacific Ocean side of Japan.

277734. CAMELLIA JAPONICA L. Theaceae. Common camellia.

From Japan. Seeds presented by the Biological Institute, Ibaraki University, Mito. Received Dec. 28, 1961.

Collected along road near Kawauchi Village, Futaba-gun, Fukushima Prefecture.

277735. RHODODENDRON JAPONICUM (Gray) Schneid.

- Ericaceae. Japanese azalea.

From Japan. Seeds presented by the Ministry of Agriculture and Forestry, Tokyo. Received Dec. 28, 1961.

Collected on Hakkoda Mountain, Nagano Prefecture.

277736 to 277740.

From India. Seeds presented by the Indian Agricultural Institute, New Delhi. Received Dec. 28, 1961.

277736. *DOLICHOS BIFLORUS* L. Fabaceae. Twinflower dolichos.
Co. 1.

277737 to 277739. *GLYCINE JAVANICA* L. Fabaceae.

277737. E.C. 7058.

277738. E.C. 16641.

277739. E.W. 1988.

277740. *SEHIMA NERVOSUM* (Rottl.) Stapf Poaceae.

PI-320. Male sterile.

277741. CUCUMIS SATIVUS L. Cucurbitaceae. **Cucumber.**

From the Netherlands. Seeds presented by the Bruinsma Hybrid Seed Company, Maaldwijk. Received Dec. 28, 1961.

'Green Spot Super'. Early greenhouse variety requiring less heat than other varieties; good vigor and high productivity; fruits dark green, spiny, of good length with a straight, moderately long neck. Resistant to scab (*Cladosporium cucumerinum*), leaf spot caused by *Corynespora cassicola* and to bitter fruit.

277742. CITRUS SINENSIS (L.) Osbeck Rutaceae. **Orange.**

From Morocco. Seeds presented by the Ministere de l'Agriculture Directeur de la Recherche, Agronomique et de l'Enseignement, Rabat. Received Dec. 29, 1961.

'Salustiana'.

277743 to 277783.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Dec. 7, 1961. Numbered Dec. 29, 1961.

277743. *ABIES* × *VASCONCELLOSIANA* Franco Pinaceae.

'Amaroce Franco'.

277744. *ACER AMPLUM* Rehder Aceraceae.

277745. *ACER CAMPESTRE* L.

'Schwerinii'.

277746. *ACER CAPPADOCICUM* f. *TRICAUDATUM* (Rehder) Rehder

277747. *ACER CAUDATUM* var. *MULTISERRATUM* (Maxim.) Rehder

277748. *ACER FLABELLATUM* Rehder

277749. *ACER FRANCHETII* Pax

277750. *ACER HENRYI* Pax

277751. *ACER HOOKERI* Miquel

277752. *ACER NEGUNDO* L.

Boxelder.

'Elegans'.

277753. *ACER NEGUNDO* var. *VIOLACEUM* (Kirchn.) Jager

277754. *ACER OSMASTONII* Gamble

277755 and 277756. *ACER PALMATUM* Thunb.

Japanese maple.

277755. 'Crippsii'.

277756. 'Senkaki'.

277743 to 277783—Continued

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277758. *ACER VELUTINUM* var. *VAN-VOLXEMII* (Mast.) Rehder
277759. *ACER WILSONII* Rehder
277760. *AESCULUS CHINENSIS* Bunge. Aesculaceae.
277761. *AESCULUS WILSONII* Rehder
277762. *CAMELLIA OLEIFERA* Abel. Theaceae.
277763. *CAMELLIA SASANQUA* Thunb. *Sasanqua camellia*.
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277764. *CAMELLIA* × *WILLIAMSII* W. W. Smith
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277765. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae.
Lawson falsecypress.
'Pena Park'.
277766. *CUPRESSUS ARIZONICA* Greene. Pinaceae. *Arizona cypress*.
'Nana'.
277767. *EUCRYPHIA LUCIDA* (Labill.) Baill. Eucryphiaceae.
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277768. *EUONYMUS PHELLOMANA* Loes. Celastraceae.
277769. *EUONYMUS* sp.
277770. *ILEX DIPYRENA* Wall. Aquifoliaceae. *Himalaya holly*.
277771. *ILEX GEORGEI* Comber.
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277780. *SALIX GRAHAMII* Borrer
277781. *SALIX REPENS* L.
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277782. *SEQUOIA SEMPERVIRENS* (Lamb.) Endl. Pinaceae.
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*If the species of a genus do not have distinct common names they share the same common name as the genus.