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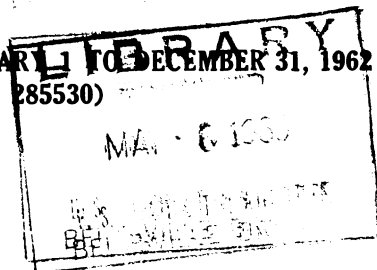
Plant Inventory No. 170

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., March, 1968



PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1962
(NOS. 277784 TO 285530)



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This inventory, No. 170, lists the plant material (Nos. 277784 to 285530) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1962. 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.

HOWARD L. HYLAND,
Botanist.

*Plant Industry Station
Beltsville, Md.*

INVENTORY

277784 to 277786. VIGNA SINENSIS (Torner) Savi Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 3, 1962.

277784. C.P.I. No. 17451. 'Brabham'. Seeds mottled brown.

277785. C.P.I. No. 19900. 'Tape'. Seeds small, brown.

277786. C.P.I. No. 12149. 'Bayo'. Seeds light brown.

277787. CITRUS AURANTIFOLIA (Christm.) Swingle Rutaceae.

Lime.

From India. Seeds presented by the Coordinated Scheme for Citrus Die-Back Disease, Indian Council of Agricultural Research, Gonicoppa, South Coorg, Mysore State. Received Jan. 3, 1962. 'Coorg Lime'.

277788 and 277789.

From British Guinea. Seeds presented by the United States Operations Mission, Georgetown. Received Jan. 3, 1962.

277788. GOSSYPIUM sp. Malvaceae.

Collected from plants in the wild. Fiber white.

277789. RICINUS COMMUNIS L. Euphorbiaceae.

Castorbean.

Collected from plants in the wild. Seeds small.

277790. STEVIA REBAUDIANA Bertoni Asteraceae.

From Paraguay. Seeds presented by Ingeniero Bertoni, Caacupi. Received Jan. 3, 1962.

277791 to 277796.

From Poland. Seeds presented by the University of Connecticut, Storrs. From Ogród Botaniczny Uniwersytetu, we Wrocławiu. Received Jan. 3, 1962.

277791. ALLIUM BEESIANUM W. W. Smith Liliaceae.

277792. ALLIUM FISTULOSUM L.

Welsh onion.

277793. ALLIUM FLAVUM L.

277794. ALLIUM SCHOENOPRASUM L.

Chives.

277795. ALLIUM STENOPETALUM Boiss. & Kotschy ex Regel

277796. DAUCUS CAROTA L. Apiaceae.

Carrot.

277797. ENCHYLAENA TOMENTOSA R. Br. Chenopodiaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 3, 1962.

277798. CARICA PAPAYA L. Caricaceae.

Papaya.

From Tanganyika. Seeds purchased from the Ministry of Agriculture, Arusha. Received Jan. 3, 1962.

277799 to 277801. CITRUS SINENSIS (L.) Osbeck Rutaceae.

Orange.

From Israel. Seeds presented by the National and University Institute of Agriculture, Beit-Dagan. Received Jan. 3, 1962.

Bud sports of the Shamouti orange.

277799 to 277801—Continued

277799. 'Sarah I'. Pink color quite strong in the albedo and section skins, but does not appear in the juice.

277800. 'Sarah II'. Color is most pronounced in cooler winters. Juice is pinkish.

277801. 'Sarah'. Mixed seeds of 'Sarah I' and 'Sarah II'.

277802. PHASEOLUS COCCINEUS L. Fabaceae.**Scarlet runner bean.**

From Turkey. Seeds held in storage at the United States Regional Introduction Station, Pullman, Wash. Numbered Jan. 3, 1962. A dark, variegated seeded line selected from the predominantly white seeded P.I. 176672.

277803 and 277804. MENTHA ARVENSIS var. PIPERASCENS Malinv. ex Bailey Menthaceae. Japanese mint.

From Brazil. Stolons presented by the Instituto de Estado de Sao Paulo, Campinas. Received Nov. 9, 1961. Numbered Jan. 3, 1962.

277803. I.A.C. 701. 'Campinas'. A seedling selection; plant vigorous, highly resistant to rust.

277804. I.A.C. 5250.

277805 to 277821.

From Japan. Stolons presented by the Faculty of Agriculture, Laboratory of Industrial Crops, Hokkaido University, Sapporo, Hokkaido. Received Oct. 25, 1961. Numbered Jan. 3, 1962.

277805. MENTHA LONGIFOLIA (L.) Huds. Menthaceae. **Horsemint.**
"D" an unidentified variety.

277806 to 277821. MENTHA (hybrids).

277806. 1-3.

277807. 1-4.

277808. 1-6.

277809. 1-7.

277810. 1-10.

277811. 1-11.

277812. 1-33.

277813. 3-2.

277814. 3-4. Backcross progeny resistant to rust in Japan.

277815. 3-12. Backcross progeny resistant to rust in Japan.

277816. 4-9.

277817. 4nF₁. Amphiploid of the F₁ hybrid of commercial variety 'Hokushin' (Japanese mint) × *Mentha longifolia*.

277818. 5-2. Backcross progeny resistant to rust in Japan.

277819. 5-3.

277820. BC-1. 4nF₁ × Japanese mint.

277821. F₁. 'Hokushin', a commercial variety of Japanese mint crossed with a variety of *M. longifolia*.

277822 to 277831. ASPARAGUS OFFICINALIS L. Convallariaceae. Garden asparagus.

From countries indicated. Seeds presented by the Department of Horticulture, University of Nebraska, Lincoln. Received November 28, 1961. Numbered January 3, 1962.

277822 to 277831—Continued

From Stratens Forgstation, Spangsbjerg, Esbjerg, Denmark.

277822. 'Dansk Kaempe'.

277823. 'Spangsbjerg Nr 1'.

277824. 'Spangsbjerg Nr 2'.

From Wageningen, the Netherlands.

277825. 'Glory of Brunswick'. Selection Franken 60008.

277826. No. 60009. Allmale. ML × RV.

277827. No. 60012. Allmale. MAB × RV.

From England.

277828. 'Connover Colossal'. From Sutton's, Reading.

277829. 'French Argentevil'. From J. L. Clucus, Ltd.

277830. KBF. From Captain Kidner, Hakenheath.

277831. 'Purple Argentevil'. From Elsom's, Hines.

277832 to 277850.

From the United States. Selections made at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered Jan. 3, 1962.

277832. *BROMUS JAPONICUS* Thunb. Poaceae.

Selection from P.I. 229600. From Iran.

277833 and 277834. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

277833. Selection from P.I. 205192. From Turkey.

277834. Selection from P.I. 251463. From Turkey.

277835 and 277836. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby

277835. Selection from P.I. 205192. From Turkey.

277836. Selection from P.I. 251463. From Turkey.

277837 to 277840. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.

277837. Selection from P.I. 208681. From Algeria.

277838. Selection from P.I. 251122. From Yugoslavia.

277839. Selection from P.I. 251584. From Yugoslavia.

277840. Selection from P.I. 255416. From Yugoslavia.

277841 to 277844. *FESTUCA ELATIOR* L. Meadow fescue.

277841. Selection from P.I. 208681. From Algeria.

277842. Selection from P.I. 251122. From Yugoslavia.

277843. Selection from P.I. 251584. From Yugoslavia.

277844. Selection from P.I. 255416. From Yugoslavia.

277845 to 277847. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.

277845. Selection from P.I. 206377. From Cyprus.

277846. Selection from P.I. 251142. From Yugoslavia.

277847. Selection from P.I. 251473. From Turkey.

277848 and 277849. *LOLIUM PERSICUM* Boiss. & Hohen.

277848. Selection from P.I. 206377. From Cyprus.

277849. Selection from P.I. 251142. From Yugoslavia.

277850. *LOTUS CORNICULATUS* L. Fabaceae.

Birdsfoot trefoil.

Selection from P.I. 161878. From Argentina.

277851 to 277853. PISUM SATIVUM L. Fabaceae.**Pea.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 16, 1962.

Seeds from Dado village, near Jimma.

277851. Col. No. 8089.

277852. Col. No. 8090.

277853. Col. No. 8091.

277854. MEDICAGO SATIVA L. Fabaceae.**Alfalfa.**

From the United States. Selection made at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered January 3, 1962.

Selection from P.I. 210763. From Spain.

277855. ZANTHOXYLUM RHETSA DC. Rutaceae.

From India. Seeds presented by the Forest Research Institute and Colleges, Dehra Dun. Received April 18, 1962.

277856 to 277860. MEDICAGO SATIVA L. Fabaceae.**Alfalfa.**

From the United States. Selections made at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered January 3, 1962.

277856. Selection from P.I. 227851. From Iran.

277857. Selection from P.I. 229534. From Iran.

277858. Selection from P.I. 231042. From India.

277859. Selection from P.I. 231762. From New Hampshire.

277860. Selection from P.I. 234443. From Belgium.

277861. GOSSYPIUM sp. Malvaceae.

From the Sudan. Seeds presented by the Cotton Breeding Section, Ministry of Agriculture, Khartoum North. Received April 19, 1962.

277862 to 277870.

From the United States. Selections made at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered January 3, 1962.

277862. POA PRATENSIS L. Poaceae.

Kentucky bluegrass.

Selection from P.I. 251407. From Iran.

277863. POA sp.

Selection from P.I. 236925. From Canada.

277864. POA sp.

Selection from P.I. 236925. From Canada.

277865 and 277866. TRIFOLIUM AMBIGUUM Bieb. Fabaceae. **Kura clover.**

277865. Selection from P.I. 229624. From Iran.

277866. Selection from P.I. 234941. From Switzerland.

277867 and 277868. TRIFOLIUM HYBRIDUM L.

Alsike clover.

277867. Selection from P.I. 221961. From Afghanistan.

277868. Selection from P.I. 245141. From Switzerland.

277869 and 277870. TRIFOLIUM PRATENSE L.

Red clover.

277869. Selection from P.I. 236613. From France.

277870. Selection from P.I. 245141. From France.

277871 to 277875.

From Mexico. Plants collected from H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received January 4, 1962.

277871. *AGAVE BOVICORNUTA* Gentry Amaryllidaceae.

Col. No. 19662. Agua Nueva, Sierra Tacuichamona, Sinaloa. Nov. 1961.

277872. *AGAVE COLIMANA* Gentry

Col. No. 19661. Fourteen miles southwest of Colima road Y, Colima. Elevation 1,000 feet. Nov. 23, 1961.

277873. *AGAVE INTREPIDA* Grenm.

Col. No. 19581. Local type, Tepoztlan, Morelos. Dec. 1, 1961. Elevation 6,500 feet. Polycarpic, cliff-dwelling rosettes; spikes to 6 feet high, arching, pendulant, flowers greenish yellow.

277874. *AGAVE* sp.

Col. No. 19625. Canyon del Marques, along Uruapan-Apatzingan road, Michoacan. Dec. 10, 1961. Elevation 1,200 feet. Single, green, multileaved rosette; spike to 10 feet high, slender; petals greenish white; filaments white; anthers pale yellow.

277875. *AGAVE* sp.

Col. No. 19563. Fourteen miles southwest of Colima road Y, Colima. Nov. 23, 1961. Elevation 1,000 feet. Small, few-leaved, weakly rooted, irregular, single rosettes with broad-linear, gray, crinkled leaves.

277876. *WERCKLEA LUTEA* Rolfe Malvaceae.

From Costa Rica. Cuttings presented by the Inter-American Institute, Turrialba. Received Feb. 6, 1961. Numbered Jan. 5, 1962.

277877 to 277881. *HORDEUM VULGARE* L. Poaceae.**Common barley.**

From Argentina. Seeds presented by the Instituto de Fitotecnia, Castelar. Received January 5, 1962.

277877. No. 1038. MC20. 60-18697.

277878. No. 1039. Gatersleben Mut. 501. 60-14292.

277879. No. 1040. Gatersleben Mut. 511. 60-14290.

277880. No. 1042. Mut. Gaul. 60-11295.

277881. No. 1043. Malteria Heda. 60-14278.

277882 to 277887. *MEDICAGO SATIVA* var. *GAETULA* Urban Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 5, 1962.

277882. C.P.I. 19374.

277885. C.P.I. 19377.

277883. C.P.I. 19375.

277886. C.P.I. 19378.

277884. C.P.I. 19376.

277887. C.P.I. 19379.

277888 to 277968.

From the Republic of South Africa. Seeds presented by the Division of Crops and Pastures, Pretoria. Received Jan. 5, 1962.

The following code is used: "B"—collected in the republic of South Africa; "U"—collected outside of the Republic of South Africa. The first 2 digits are the year the seed was collected. The last 3 digits are Rietondale, Pretoria numbers.

277888 to 277968—Continued

277888 to 277898. *GLYCINE JAVANICA* L. Fabaceae.

- 277888. B/58/116. Port Elizabeth.
- 277889. U/50/186. Mazoe, S. Rhodesia.
- 277890. U55/31. Chroma strain. N. Rhodesia.
- 277891. U/61/139. Tanganyika.
- 277892. U/61/130. Tanganyika.
- 277893. U/61/141. Tanganyika.
- 277894. U/61/145. Nyasaland, S. Rhodesia.
- 277895. U/61/146. Grasslands selection. S. Rhodesia.
- 277896. U/61/147. Melsetter, S. Rhodesia.
- 277897. U/61/148. Norvals special. S. Rhodesia.
- 277898. U/61/149. S. Rhodesia.

277899 to 277968. *PANICUM MAXIMUM* Jacq. Poaceae.

Guineagrass.

- 277899. B/51/177. Florida.
- 277900. B/52/197. Codrington.
- 277901. B/52/199. Pretoria.
- 277902. B/53/237. Dohne.
- 277903. B/53/240. Dohne.
- 277904. B/53/243. Northam, Transvaal.
- 277905. B/53/246. Lilongwe.
- 277906. B/53/253. Nanyuki.
- 277907. B/53/255. Carolina Elandsfontein.
- 277908. B/53/288. Rietvlei.
- 277909. B/53/289. Pretoria.
- 277910. B/53/335. Nelspruit.
- 277911. B/57/10. Prinshof (Brown top).
- 277912. B/57/160. Roodeplaat.
- 277913. B/57/165. Prinshof.
- 277914. B/57/167. Shingwedzi.
- 277915. B/57/168. Contest.
- 277916. B/57/169. Northam, Transvaal.
- 277917. B/58/13. Rustenburg.
- 277918. B/58/114. Potgietersrust.
- 277919. B/59/29(a). Nelspruit.
- 277920. B/59/108. Basutuland.
- 277921. B/59/162. Ziervogel.
- 277922. B/59/215. Comare Kalahari.
- 277923. B/59/216. Kalahari, Chobe River.
- 277924. B/59/218. Ngamiland.
- 277925. B/59/220. Kazzungula strain.
- 277926. B/59/224. Barberton.
- 277927. B/59/225. Tugela River, Natal.
- 277928. B/59/226. Groot Marico.

277888 to 277968—Continued**277899 to 277968—Continued**

- 277929. B/59/227. Zululand.
- 277930. B/59/228. Schoemanskloof.
- 277931. B/59/229. Zululand.
- 277932. B/59/230. Potgieters Rust.
- 277933. B/59/231. Rustderwinter.
- 277934. B/59/232. Rustderwinter.
- 277935. B/59/234. Bandolierskop.
- 277936. B/59/236. Haenertsburg.
- 277937. B/59/238. Crocodile River.
- 277938. B/59/241. Zululand.
- 277939. B/59/242. Bushman River, Natal.
- 277940. B/59/244. Nelspruit.
- 277941. B/59/245. Nelspruit.
- 277942. B/59/248. Transvaal.
- 277943. B/59/249. Dongola Reserve.
- 277944. B/59/250. Dongola Reserve.
- 277945. B/59/251. Dongola Reserve, Messina.
- 277946. B/59/252. Louistrichardt.
- 277947. B/59/256. Crocodile Poort.
- 277948. B/59/257. Crocodile Poort.
- 277949. B/59/258. Crocodile Poort.
- 277950. B/59/259. Krugerpark Olifantsriver.
- 277951. B/59/260. Olifantsriver.
- 277952. B/59/261. Swaziland.
- 277953. B/59/266. Umkomaas River.
- 277954. B/59/267. Warmbaths.
- 277955. B/59/268. Rietondale.
- 277956. B/59/278. Swaziland.
- 277957. B/59/279. Mara Natal.
- 277958. U/49/19. Australia.
- 277959. U/51/175. Florida.
- 277960. U/51/178. Florida.
- 277961. U/54/15. S. Rhodesia.
- 277962. U/57/176. Florida.
- 277963. U/59/16. Salisbury.
- 277964. U/59/84. Nyasaland.
- 277965. U/59/86. Nakuru.
- 277966. U/59/87. Lilongwe, E. Africa.
- 277967. U/59/88. Nanyuki Park.
- 277968. U/59/89. Zimbabwe ruins.

277969. CITRUS sp. Rutaceae.

From Puerto Rico. Seeds presented by the University of Puerto Rico, Rio Piedras. Received Jan. 8, 1962.

'Chironja'.

277970 to 278112.

From Turkey. Seeds collected by the Faculty of Agriculture, University of Ankara, Ankara. Received Jan. 9, 1962.

277970 to 278062. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.

277970. No. 1. Adiyaman.	278006. No. 37. Gaziantep.
277971. No. 2. Adiyaman.	278007. No. 38. Gaziantep.
277972. No. 3. Adiyaman.	278008. No. 39. Gaziantep-Kilis.
277973. No. 4. Adiyaman.	278009. No. 40. Gaziantep.
277974. No. 5 Adiyaman.	278010. No. 41. Gaziantep-Islahiye
277975. No. 6. Adiyaman.	278011. No. 42. Gaziantep-Nizip.
277976. No. 7. Adiyaman.	278012. No. 43. Gaziantep-Araban.
277977. No. 8. Afyon.	278013. No. 44. Hatay.
277978. No. 9. Afyon.	278014. No. 45. Hatay.
277979. No. 10. Afyon.	278015. No. 46. Hatay.
277980. No. 11. Amasya.	278016. No. 47. Izmir-Bergama.
277981. No. 12. Ankara-Bey pazari.	278017. No. 48. Izmir-Dikili.
277982. No. 13. Antalya.	278018. No. 49. Izmir-Menemen.
277983. No. 14. Antalya.	278019. No. 50. Izmir-Selcuk.
277984. No. 15. Antalya.	278020. No. 51. Izmir-Torbali.
277985. No. 16. Artvin.	278021. No. 52. Kars-Igdir.
277986. No. 17. Aydin-Germencik.	278022. No. 53. Kars-Igdir.
277987. No. 18. Aydin-Germencik.	278023. No. 54. Kars-Igdir.
277988. No. 19. Aydin-Nazilli.	278024. No. 55. Kayseri.
277989. No. 20. Aydin-Germencik.	278025. No. 56. Kirklareli.
277990. No. 21. Aydin-Germencik.	278026. No. 57. Kirklareli.
277991. No. 22. Balikesir.	278027. No. 58. Kirklareli.
277992. No. 23. Balikesir.	278028. No. 59. Kirklareli.
277993. No. 24. Bilecik.	278029. No. 60. Kirklareli.
277994. No. 25. Bilecik-Yenikoy.	278030. No. 61. Kirsehir.
277995. No. 26. Bilecik-Yenikoy.	278031. No. 62. Kirsehir.
277996. No. 27. Bitlis.	278032. No. 63. Manisa.
277997. No. 28. Bingol.	278033. No. 64. Manisa.
277998. No. 29. Bolu-Duzce.	278034. No. 65. Maras.
277999. No. 30. Bolu-Duzce.	278035. No. 66. Mardin.
278000. No. 31. Burdur.	278036. No. 68. Mardin.
278001. No. 32. Bursa.	278037. No. 69. Mardin.
278002. No. 33. Bursa.	278038. No. 70. Mugla-Milas.
278003. No. 34. Bursa.	278039. No. 71. Mugla-Milas.
278004. No. 35. Bursa.	278040. No. 72. Mugla-Bodrum.
278005. No. 36. Canakkale.	278041. No. 73. Mugla-Ula.

277970 to 278112—Continued**277970 to 278062—Continued**

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|---------|-------------------------|---------|-------------------------|
| 278042. | No. 74. Mugla-Milas. | 278053. | No. 85. Tunceli. |
| 278043. | No. 75. Mugla-Koycegiz. | 278054. | No. 86. Tunceli. |
| 278044. | No. 76. Mugla-Marmaris. | 278055. | No. 87. Tunceli. |
| 278045. | No. 77. Mus. | 278056. | No. 88. Sivas. |
| 278046. | No. 78. Nigde. | 278057. | No. 89. Urfa. |
| 278047. | No. 79. Sakarya. | 278058. | No. 90. Usak-Karahanli. |
| 278048. | No. 80. Sakarya. | 278059. | No. 91. Usak-Karahanli. |
| 278049. | No. 81. Sinop. | 278060. | No. 92. Yozgat. |
| 278050. | No. 82. Sivas. | 278061. | No. 93. Yozgat. |
| 278051. | No. 83. Sivas. | 278062. | No. 95. Zoguldak. |
| 278052. | No. 84. Sivas. | | |

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|--------------------------|-----------------------------------|----------------------|--------------------------------|
| 278063 to 278112. | LACTUCA SATIVA L. | Cichoriaceae. | Garden lettuce. |
| 278063. | No. 1. Adiyaman. | 278088. | No. 26. Kars-Igdir. |
| 278064. | No. 2. Adiyaman. | 278089. | No. 27. Kastamonu-
Inebolu. |
| 278065. | No. 3. Afyon-Sandikli. | 278090. | No. 28. Kayseri. |
| 278066. | No. 4. Amasya. | 278091. | No. 29. Kayseri. |
| 278067. | No. 5. Amasya. | 278092. | No. 30. Kirklareli. |
| 278068. | No. 6. Ankara-Bey pazari. | 278093. | No. 31. Maras. |
| 278069. | No. 7. Ankara-Bey pazari. | 278094. | No. 32. Mugla. |
| 278070. | No. 8. Antalya. | 278095. | No. 33. Mugla-Milas. |
| 278071. | No. 9. Artvin. | 278096. | No. 34. Mugla-Fethiye. |
| 278072. | No. 10. Aydin. | 278097. | No. 35. Mugla-Marmaris. |
| 278073. | No. 11. Balikesir-
Karamankoy. | 278098. | No. 36. Mugla-Koycegiz. |
| 278074. | No. 12. Balikesir-Halalca. | 278099. | No. 37. Mugla-Ula. |
| 278075. | No. 13. Bilecik. | 278100. | No. 38. Nigde. |
| 278076. | No. 14. Bilecik-Osmaneli. | 278101. | No. 39. Ordu-Unye. |
| 278077. | No. 15. Burdur. | 278102. | No. 40. Ordu-Unye. |
| 278078. | No. 16. Bursa. | 278103. | No. 41. Ordu. |
| 278079. | No. 17. Bursa. | 278104. | No. 42. Sinop. |
| 278080. | No. 18. Canakkale. | 278105. | No. 43. Sivas. |
| 278081. | No. 19. Gaziantep-Nizip. | 278106. | No. 44. Sivas. |
| 278082. | No. 20. Gaziantep-Kilis. | 278107. | No. 45. Usak-Sivasli. |
| 278083. | No. 21. Hatay. | 278108. | No. 46. Urfa. |
| 278084. | No. 22. Izmir-Bornova. | 278109. | No. 47. Zoguldak-Bartin. |
| 278085. | No. 23. Izmir-Karsiyaka. | 278110. | No. 48. Zoguldak-Bartin. |
| 278086. | No. 24. Izmir-Karsiyaka. | 278111. | No. 67. Mardin. |
| 278087. | No. 25. Kars-Igdir. | 278112. | No. 94. Yozgat. |

278113. IMPERATA BRASILIENSIS Trin. Poaceae.

From British Guiana. Stolons presented by the United States Operations Mission, Georgetown. Received Jan. 9, 1962.

Collected on one of the Bookers sugar estates, about 9 miles east of Georgetown.

278114 to 278155.

From India. Seeds presented by the Rockefeller Foundation, Indian Agricultural Program, New Delhi. Received Jan. 10, 1962.

278114 to 278117. From East Africa.

278114. SORGHUM sp. Poaceae.

'Dobbs'. Pedigree NM 763. Indian Sorghum 2511.

278115. SORGHUM sp.

'Dobbs'. Pedigree C-9. Indian Sorghum 2658.

278116. SORGHUM sp.

'Dobbs'. Pedigree Jangi. Indian Sorghum 3502.

278117. SORGHUM sp.

'Dobbs'. Pedigree Darfuri Watani. Indian Sorghum 3590.

278118 to 278121. From South Africa.

278118. SORGHUM sp.

'Radar'. Pedigree resistant to *Striga* sp., and birds. Indian Sorghum 960.

278119. SORGHUM sp.

'Radar'. Pedigree A.S. 3440. Indian Sorghum 1265.

278120. SORGHUM sp.

'Radar'. Pedigree M.N. 912. Indian Sorghum 2596.

278121. SORGHUM sp.

'Radar'. Pedigree P. 3745. Ex-Sebasa. Indian Sorghum 3172.

278122 to 278155. SORGHUM (hybrids).

Breeding lines developed in India.

278122. F₁. MS × Gund 34 Rabi. MS × IS 1004.

278123. F₁. MS × Type 263. MS × IS 1019.

278124. F₁. MS × Jowar B.P. 53. MS × IS 1055.

278125. F₁. MS × Jowar B.P. 53. MS × IS 1059.

278126. F₁. MS × Sundhia 1049. MS × IS 1060.

278127. F₁. MS × J. I. Ramkhed. MS × IS 1065.

278128. F₁ MS × Indore 3. MS × IS 1066.

278129. F₁. MS × Hirgana 3. MS × IS 1067.

278130. F₁. MS × Mamdadpuri. MS × IS 1070.

278131. F₁. MS × Rati Athani. MS × IS 1073.

278132. F₁. MS × Sakri Mukri. MS × IS 1078.

278133. F₁. MS × Manoli. MS × IS 1079.

278134. F₁. MS × Wai 3-6-2. MS × IS 1081.

278135. F₁. MS × Yenigar-2. MS × IS 1096.

278136. F₁. MS × Karad 2-7-11. MS × IS 1121.

278137. F₁. MS × N.3 Oolapatcha Jonna. MS × IS 1134.

278138. F₁. MS × N.5 Oolapatcha Jonna. MS × 1136.

278139. F₁. MS × N.8 Oolapatcha Jonna. MS × IS 1139.

278140. F₁. MS × N.11 Mungari Patcha Jonna. MS × 1142.

278141. F₁. MS × Satpani. MS × IS 1152.

278114 to 278155—Continued

278122 to 278155—Continued

- 278142. F₁. MS × Zerazera. MS × IS 3572. Africa.
- 278143. F₁. MS × Zerazera. MS × IS 3573. Africa.
- 278144. F₁. MS × Zerazera. MS × IS 3574. Africa.
- 278145. F₂. MS × P.J.7R. MS × IS 1041.
- 278146. F₂. MS × P.J.4R. MS × IS 1042.
- 278147. F₂. MS × Co. 181. MS × IS 1047.
- 278148. F₂. MS × G.3 Jonna. MS × IS 1052.
- 278149. F₂. MS × Jowar Maldani 35-1. MS × IS 1054.
- 278150. F₂. MS × Viramgam. MS × IS 1108.
- 278151. F₂. MS × Baligaon. MS × IS 1113.
- 278152. F₂. MS × Sheosagar. MS × IS 1114.
- 278153. F₂. MS × Aispuri. MS × IS 1151.
- 278154. F₂. MS × Selection 213. MS × IS 2256.
- 278155. F₂. MS × Selection 124-3. MS × IS 2257.

**278156. RHODODENDRON JAPONICUM (Gray) Schneid. Erica-
ceae. Japanese azalea.**

From Japan. Seeds presented by the Tanichi National Forest, Mikomoto-cho, Towadashi, Aomori Ken. Received Jan. 10, 1962.

Collected in Tanichi National Forest.

278157 and 278158.

From Turkey. Seeds presented by the United States Embassy, Ankara. Received Jan. 10, 1962.

278157. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**

Collected at Bursa.

278158. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**

'Topatan'. Collected at Bursa. Melon long, green; flesh white with yellow cast; high quality, weighing 2 to 5 kilos, maturing in about 70 days.

278159. HELIANTHUS ANNUS L. Asteraceae. Sunflower.

From Canada. Seeds presented by the Central Experimental Farm, Ottawa, Ontario. Received Jan. 10, 1962.

'Advance'. Rust-resistant form.

278160 to 278166.

From Angola. Seeds presented by the Estacao de Melhoramento de Plantas, Nova Lisboa. Received Jan. 10, 1962.

278160 and 278161. SESAMUM INDICUM L. Pedaliaceae. **Sesame.**

278160. From the Estacao de Melhoramento de Plantas, Nova Lisboa.

278161. From Niangeloke, Haute Volta.

278162 to 278166. SESAMUM RADIATUM Schumach. & Thonner

278162. 'Mucote'. From Cela.

278163. 'Ute'. From Seles.

278164. 'Wanguila'. From Maquela de Zombo.

278165. From Branco do Bie.

278166. From Quela.

278167 to 278169.

From India. Plants purchased from the Imperial Nursery, Calcutta. Received Jan. 11, 1962.

278167. *LAGERSTROEMIA SPECIOSA* (Muench.) Pers. Lythraceae.
Queen crapemyrtle.

278168. *LAGERSTROEMIA THORELLII* Gagnep.

278169. *LAGERSTROEMIA* sp.

278170. LIMNANTHES DOUGLASII R. Br. *Limnanthaceae.*
Meadowfoam.

From Europe. Seeds purchased from Harry Saier, Dimondale, Michigan. Received Jan. 11, 1962.

Collected summer 1961.

278171. TRIFOLIUM REPENS L. *Fabaceae.* **Whiteclover.**

From Nigeria. Seeds presented by the Federal Department of Agricultural Research, Ibadan. Received Jan. 11, 1962.

278172. OXYTENANTHERA ABYSSINICA (A. Rich.) Munro
Poaceae. **Bamboo.**

From the Sudan. Seeds presented by the Food and Agricultural Organization, United Nations, Khartoum. Received Jan. 11, 1962.

Collected approximately 4°2' N., 30°38' E., near Kagelu, Yei District, Equatoria Province.

278173 to 278175.

From Turkey. Seeds presented by the University of Nebraska Faculty in Turkey, United States Operations Mission, Ankara. Received Jan. 11, 1962.

278173. *CORNUS MAS* L. *Cornaceae.* **Cornelian-cherry.**

'Kizilcik'. Small tree in wild, northwest Turkey. Fruits edible, excellent for jelly and jam.

278174. *CRATAEGUS* sp. *Malaceae.*

'Mus Mula'. Tree in Tortum Lake area, to 25 feet high; leaves 3 inches long, 1.5 inches wide; fruit large, edible.

278175. *PRUNUS MAHALEB* L. *Amygdalaceae.* **Mahaleb cherry.**

A drought-resistant, small tree from Elazig.

278176 to 278179.

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 15, 1962.

278176. *BUNCHOSIA SONORENSIS* Rose *Malpighiaceae.*

Col. No. 19440. Sierra de Alamos, Sonora. Elevation 1,000 feet. Small tree or shrub; leaves green; flowers yellow; fruit bright orange. Ornamental.

278177. *IPOMOEA* sp. *Convolvulaceae.*

Col. No. 19456. Street planting Culiacan, Sinaloa. Very large vine; trunk woody; leaves large, cordate; flowers large, bell shaped, pink.

278178. *RANDIA LAEVIGATA* Standley *Rubiaceae.*

Col. No. 19459. Eighteen miles east of Alamos, Sonora. Tree small, unarmed, spreading; leaves large. Ornamental.

278179. *ZINNIA LINEARIS* Benth. *Asteraceae.*

Col. No. 19503. Along highway to Guadalajara, 23 miles southeast of Tepic. Annual with white and orange flowers; wild.

278180. POLYSTACHYA RIVAE Schweing. Orchidaceae. Orchid.

From Ethiopia. Plants collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 20, 1961. Numbered Jan. 15, 1962.

Col. No. 7681. Epiphyte on limb of tree near small stream, 8°58' N., 37°32' E. Plant densely tufted, to 3 inches across at base; leaves lax.

278181 to 278660.

From New Zealand. Seeds presented by the Crops Research Division, Department of Scientific and Industrial Research, Christchurch. Received Jan. 11, 1962.

278181 to 278637. TRITICUM AESTIVUM L. Poaceae. Common wheat.

Originally from Abyssinia (Ethiopia).

278181. 931. 'Abyssinia 1'.

278182 to 278189. Originally from Austria.

278182. 254. From Ortmana.

278183. 2642. 'Brook 4'.

278184. 2643. 'Brook 5'.

278185. 2791. 'Immendorfer Kolben'.

278186. 2792. 'Dr. Lasser's Hellkorn'.

278187. 2793. 'Dr. Lasser's Kickkopf'.

278188. 2795. 'Brucker Stamm 1'.

278189. 2797. 'Tassilo'.

278190 and 278191. Originally from Belgium.

278190. 2690. 'Miana'.

278191. 2768. 'Precoce de Gembloux P. 139'.

278192 to 278204. Originally from Bulgaria.

278192. 113. 'Tscherwenka No. 2'. (ferr.).

278193. 114. 'Tscherwenka No. 14'. (ferr.).

278194. 115. 'Tscherwenka No. 16'. (ferr.).

278195. 116. 'Radsgradska Tscherwenka'.

278196. 188. 'Varna 2'.

278197. 190. 'Varna 5'.

278198. 193. 'Varna 6'.

278199. 195. 'Varna 7'.

278200. 201. 'Varna 16'.

278201. 208. 'Varna 19'.

278202. 209. 'Varna 20'.

278203. 225. 'Varna 28'.

278204. 247. 'Varna 40'.

278205 to 278209. Originally from Canary Islands.

278205. 788. 'Canary 1'. 278208. 798. 5.

278206. 790. 3. 278209. 800. 6.

278207. 794. 4.

278210 to 278212. Originally from Czechoslovakia.

278210. 184. 'Dioseg No. 2'.

278211. 185. 'Dioseg No. 200'.

278212. 1358. 'Feldsberger Irannen'.

278181 to 278660—Continued**278181 to 278637—Continued**

278213 to 278220. Originally from Egypt.

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|---------------------------------|--------------------------------------|
| 278213. 926. 1. (Sinai). | 278217. 930. 12. (Sinai). |
| 278214. 927. 3. (Sinai). | 278218. 1965. Egyptian wheat. |
| 278215. 928. 4. (Sinai). | 278219. 2640. 'Brook 2'. |
| 278216. 929. 7. (Sinai). | 278220. 2641. 'Brook 3'. |

278221 to 278224. Originally from England.

- 278221.** 1. 'Rivet'.
278222. 633. 'Cambridge Rivet'.
278223. 634. 'Garton's Early Cone'.
278224. 635. 'Percival's Blue Cone'.

278225 to 278231. Originally from France.

- 278225.** 261. 'Thick-headed French'.
278226. 1724. 'Ble de la Paix'.
278227. 2305. 'Marenil'.
278228. 2679. 'Hybride 80'.
278229. 2680. 'Capelle Desprez'.
278230. 2683. 'Desprez Picardie'.
278231. 2684. 'Hybride de la Tour'.

278232 to 278257. Originally from Germany.

- 278232.** 2075. 'Mauerner Begr. Dickopf'. (eryth.).
278233. 2077. 'Buhlendorfer Hellkornig'. (alb.).
278234. 2078. 'Burckners Dickkopf'. (alb.).
278235. 2079. 'Strubes General v. Stocken'. (lutesc.).
278236. 2080. 'Criewener 104'. (lutesc.).
278237. 2085. 'Cimbals Grossh v. Saksen'. (lutesc.).
278238. 2086. 'Hohenheimer Dickkopf'. (lutesc.).
278239. 2087. 'Nordost Samland'. (lutesc.).
278240. 2089. 'Pflugs Balticum'. (lutesc.).
278241. 2091. 'Nordost Oberland'. (lutesc.).
278242. 2092. 'Berckners Continental'. (lutesc.).
278243. 2093. 'Heusers Weisser Sandw.' (lutesc.).
278244. 2094. 'Hornings Dickkopf'. (lutesc.).
278245. 2095. 'Raeckes W. Weizen'. (lutesc.).
278246. 2096. 'Brauner Luneberger Sand'. (milt.).
278247. 2097. 'Ackermanns Trubilo'. (milt.).
278248. 2098. 'Strassenheimer Landweizen'. (milt.).
278249. 2099. 'Ostmarker'. (milt.).
278250. 2100. 'Mauerner Unbegr. Braunw.' (milt.).
278251. 2101. 'Nogtlander Braunweigen 4'. (milt.).
278252. 2102. 'Criewener St. 27'. (milt.).
278253. 2103. 'Heine III'.

278181 to 278660—Continued**278181 to 278637—Continued****278232 to 278257—Continued**

278254. 2104. 'Holzapfels Darwin'.
 278255. 2106. 'Pornb. Graf Tarring'. (milt.).
 278256. 2107. 'Hohenfrower'. (milt.).
 278257. 2109. 'Manhdorfer Sighard'. (milt.).

278258 to 278302. Originally from Greece.

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| 278258. 33. 'Greece 1'. | 278281. 330. 'Salonica No. 1'. |
| 278259. 38. 'Greece 5'. | 278282. 331. 2. |
| 278260. 39. 'Greece 6'. | 278283. 334. 5. |
| 278261. 41. 'Greece 14'. | 278284. 337. 7. |
| 278262. 49. 'Greece 20'. | 278285. 341. 8. |
| 278263. 51. 'Greece 23'. | 278286. 343. 9. |
| 278264. 53. 'Greece 24'. | 278287. 345. 10. |
| 278265. 61. 'Salonica 3'. | 278288. 347. 11. |
| 278266. 62. 'Salonica 4'. | 278289. 348. 12. |
| 278267. 67. 'Salonica 14'. | 278290. 349. 13. |
| 278268. 69. 'Salonica 16'. | 278291. 351. 15. |
| 278269. 71. 'Crete 1'. | 278292. 356. 17. |
| 278270. 77. 'Crete 4'. | 278293. 357. 'Crete No. 2'. |
| 278271. 801. 'Crete 5'. | 278294. 358. 3. |
| 278272. 291. 'Greece No. 2'. | 278295. 359. 7. |
| 278273. 293. 3. | 278296. 363. 9. |
| 278274. 295. 4. | 278297. 364. 11. |
| 278275. 299. 13. | 278298. 365. 12. |
| 278276. 302. 16. | 278299. 366. 13. |
| 278277. 308. 18. | 278300. 368. 14. |
| 278278. 314. 19. | 278301. 370. 15. |
| 278279. 320. 22. | 278302. 692. 'Greek 10'. |
| 278280. 329. 28. | |

278303 to 278311. Originally from Holland (Netherlands).

278303. 2065. 'Mansh. Witte Dilchop III'.
 278304. 2067. 'Robusta'.
 278305. 2068. 'Jacob Cats'.
 278306. 2069. 'Konisringsangel'.
 278307. 2070. 'Algebra'.
 278308. 2071. 'Wilobo'.
 278309. 2072. 'Concurrent'.
 278310. 2660. 'Lovink'.
 278311. 2665. 'Mansholte Witte'.

278312 to 278346. Originally from Hungary.

278312. 166. 'Szekacs No. 16'. (eryth.).
 278313. 167. 'Szekacs No. 164'. (eryth.).
 278314. 168. 'Szekacs No. 139'. (ferr.).
 278315. 169. 'Szekacs No. 267'. (eryth.).

278181 to 278660—Continued**278181 to 278637—Continued****278312 to 278346—Continued**

278316. 170. 'Hungarian wheat'.
 278317. 171. 'Hungary 1'.
 278318. 172. 'Hungary 3'.
 278319. 174. 'Hungary 6'.
 278320. 175. 'Mezohegyeser Banati'.
 278321. 176. 'Fchermegyei' (Landweizen), white.
 278322. 177. 'Fchermegyei' (Landweizen), brown.
 278323. 178. 'Improved Tiszavideki', white.
 278324. 179. 'Improved Tiszavideki', brown.
 278325. 180. 'Hatvau Selection No. 1153'.
 278326. 181. 'Hatvau Selection No. 1119'.
 278327. 182. 'Hatvau Selection No. 1303'.
 278328. 1280. 'Illocskai No. 177'.
 278329. 1281. 'Szekacs No. 1242'.
 278330. 1282. 'Szekacs No. 17'.
 278331. 1283. 'Szekacs No. 19'.
 278332. 1284. 'Szekacs No. 1055'.
 278333. 1285. 'Szekacs No. 1230'.
 278334. 1286. 'Hatvani No. 1140'.
 278335. 1287. 'Mindszenti No. 403'.
 278336. 1288. 'Eszterhazi No. 18'.
 278337. 1289. 'Iyerie No. 195'.
 278338. 1290. 'Iyerie No. 658'.
 278339. 1291. 'Iyerie No. 1004'.
 278340. 1292. 'Iyerie No. 1012'.
 278341. 1294. 'Hatvani No. 1212'.
 278342. 1295. 'Hatvani No. 3490'.
 278343. 1296. 'Hatvani No. 0670'.
 278344. 2129. 'Von Baross No. 178'.
 278345. 2615. 'Hungarian Wheat'.
 278346. 2658. 'Perbetei'.
 278347 to 278369. Originally from Italy.
 278347. 636. 'Biancuccia'.
 278348. 808. 'Italy 1'.
 278349. 853. 'Cairdelenze'. (N.S.W.).
 278350. 855. 'Farro Lunga'.
 278351. 860. 'Pavone C 11101'. (N.S.W.).
 278352. 866. 'Bufala Nera Corta'. (Sicily).
 278353. 867. 'Bufala Nera Lunga'. (Sicily).
 278354. 868. 'Giustalisa'. (Sicily).
 278355. 869. 'Scorsonera'. (Sicily).
 278356. 870. 'Timilia'. (Sicily).

278181 to 278660—Continued**278181 to 278637—Continued****278347 to 278369—Continued**

- 278357. 871. 'Urria'. (Sicily).
- 278358. 1955. 'Italy 6'.
- 278359. 1990. 'Damiano'.
- 278360. 1991. 'Dante'.
- 278361. 1993. 'Fiume'.
- 278362. 1996. 'Vittorio Veneto'.
- 278363. 2049. 'Italian 13'.
- 278364. 2639. 'Brook 1'.
- 278365. 2777. 'Orlandi'.
- 278366. 2779. 'San Michele'.
- 278367. 2829. 'Civitelle'. (N.S.W.).
- 278368. 2830. 'Corella No. 8'.
- 278369. 2834. 'Pavone C. 11104'.

278370 to 278375. Originally from Kenya.

- 278370. 2620. 'Kenya 3', 291 J.I.I.1.
- 278371. 2622. 'Kenya 5', 192.
- 278372. 2624. 'Kenya 7', Simpson's L 3.
- 278373. 2625. 'Kenya 8', NB 230.
- 278374. 2626. 'Kenya 9', Sabanero.
- 278375. 2814. 'Kenya Wheat 131'. (Take-all).

278376 to 278380. Originally from Malta.

- 278376. 94. 'Malta 1'.
- 278377. 95. 'Malta 2'.
- 278378. 96. 'Malta 3'.
- 278379. 97. 'Malta 4'.
- 278380. 857. 'Malta Yellow'. (N.S.W.).

278381. 1407. 'Richelle Tres Hative'. From Mediterranean Africa.**278382 to 278391. Originally from Morocco.**

- 278382. 735. 'Zreah' (Maroc), 020.
- 278383. 737. 'Shei 272'.
- 278384. 858. 'Morocco C 10895'.
- 278385. 859. 'Morocco C 10897'.
- 278386. 904. 'Morocco 58'.
- 278387. 907. 'Morocco 59'.
- 278388. 2327. 'Sel de 151A Bresil 1199'.
- 278389. 2328. 'M 1283'.
- 278390. 2329. 'Versinx Aurore 1285'.
- 278391. 2331. 'Gharflor 1611'.

278392 and 278393. Originally from Palestine (now Israel and Jordan).

- 278292. 1408. 'Palestine 1'.
- 278393. 1409. 'Palestine 3'.

278181 to 278660—Continued**278181 to 278637—Continued**

278394 to 278397. Originally from Poland.

278394. 2110. 'Poland 1 Hors Concours'.

278395. 2111. 'Poland 2'.

278396. 2117. 'Poland 4'.

278397. 2123. 'Poland 5'.

278398 to 278418. Originally from Portugal.

278398. 148. 'Portugal 8'.

278399. 766. 'Portugal 142'. (Ideal Rijo).

278400. 781. 'Portugal 157'. (Yavardo).

278401. 782. 'Portugal 158'. (Yavardo Glauco).

278402. 794. 'Portugal 172'. (Tombinho).

278403. 800. 'Portugal 178'. (Cachudo).

278404. 2450. 'Portugal 118 Barbela'. (Eryth.).

278405. 2451. 'Portugal 119 Barbela Grosso'. (Eryth.).

278406. 2453. 'Portugal 121 Bejense'. (eryth.).

278407. 2458. 'Portugal 126 Trigo de Maio'. (eryth.).

278408. 2464. 'Portugal 132 Sado'. (Eryth.).

278409. 2465. 'Portugal 133 Transmontano'. (Eryth.).

278410. 2471. 'Portugal 139 Gallego Barbado'. (Eryth.).

278411. 2474. 'Portugal 142 Liz'. (eryth.).

278412. 2478. 'Portugal 146 Ruivo' (Precoce). (eryth.).

278413. 2479. 'Portugal 147 Ruivo' (Tardio). (eryth.).

278414. 2490. 'Portugal 150 Viloso Mole' (Host.).

278415. 2491. 'Portugal 159 Toveiro'. (barb.).

278416. 2492. 'Portugal 160 Gentil Branco'. (alb.).

278417. 2494. 'Portugal 162 Argelino Mocho Branco'. (alb.).

278418. 2497. 'Portugal 165 Estacao'. (lutesc.).

278419 to 278439. Originally from Rumania.

278419. 117. 'Roumanian No. 1'. (eryth.).

278420. 118. 'Roumanian Autumn No. 10 b'. (alb.).

278421. 123. 'Roumanian Autumn'. (ferr.).

278422. 124. 'Sandu 22'.

278423. 125. 'Filipescu'.

278424. 126. 'Balan de Figanesti'.

278425. 127. 'Samanta 117'.

278426. 130. 'Rovini'.

278427. 131. 'Secureni'.

278428. 165. 'Roumanian Bearded'.

278429. 1298. 'Balan de Figanesti 148'.

278430. 1299. B2.

278431. 1300. B1.

278432. 1302. 'Lukasievici'.

278181 to 278660—Continued**278181 to 278637—Continued****278419 to 278439—Continued**

- 278433. 1303. 'Laza 4'.
- 278434. 1304. 'Laza 8'.
- 278435. 1305. 'Laza 19'.
- 278436. 1306. 'Samata B.7'.
- 278437. 1307. 'Stephani-Bod D33'.
- 278438. 1308. 'Stephani-Bod D43'.
- 278439. 1309. 'Odvos 37'.

278440 to 278493. Originally from Russia (Union of Soviet Socialist Republics).

- 278440. 9. 'Russia 1, No. 010'.
- 278441. 10. 'Russia 2'.
- 278442. 11. 'Russia 3, No. 79-III'.
- 278443. 12. 'Russia 4, No. 0189'.
- 278444. 13. 'Russia 5, Tschernovska'.
- 278445. 14. 'Russia 6, Sivousska 3'.
- 278446. 16. 'Kubanka'.
- 278447. 132. 'Banatka Jubile-inaja'. (eryth.).
- 278448. 133. 'No. 13/917 Charkow'.
- 278449. 134. No. 15. From Beresotofscha (eryth.).
- 278450. 135. No. 2537/64. From Ivanovka (eryth.).
- 278451. 136. 'Blaue Dame'. From Ivanovka (eryth.).
- 278452. 137. No. 100. From Belaia-Zerkov (ferr.).
- 278453. 138. No. 7. From Beresotofscha (Host.).
- 278454. 140. 'Hors Concours'. From Mironowka.
- 278455. 141. 'Hors Concours'. From Ivanovka.
- 278456. 142. 'Russia 8, Belosiornaia' (alb.).
- 278457. 143. 'Russia 9, Belosiornaia' (alb.).
- 278458. 144. 'Russia 10, Dymchatka' (caes.).
- 278459. 145. 'Russia 11, Zemka' (eryth.).
- 278460. 146. 'Russia 12, Stepniatchka' (eryth.).
- 278461. 149. 'Russia 15, No. 2411' (ferr.).
- 278462. 150. 'Russia 16, No. 2433'.
- 278463. 151. 'Russia 18, Krasnaia Ostistaia' (ferr.).
- 278464. 152. 'Russia 19, T. 9283 AIV' (graec.).
- 278465. 153. 'Russia 20, T. 0289 AV' (graec.).
- 278466. 154. 'Russia 21, No. 0237, Saratov' (Host.).
- 278467. 155. 'Russia 22, No. 0237, Saratov' (Host.).
- 278468. 156. 'Russia 23, No. 0460, Timir' (lutesc.).
- 278469. 157. 'Russia 24, No. 0329, Saratov' (lutesc.).
- 278470. 158. 'Russia 25, Ghirka Krasnaia' (milt.).
- 278471. 159. 'Russia 26, No. 0254, West Sib.' (milt.).
- 278472. 161. 'Russia 28, Belosiornaia' (alb.).

278181 to 278660—Continued**278181 to 278637—Continued****278440 to 278493—Continued**

278473. 162. 'Russia 29, Alfa Stoykaia' (eryth.).
 278474. 164. 'Russia 31, Noe' (lutesc.).
 278475. 187. S. 149.
 278476. 1361. S. 141.
 278477. 2337. 'Ferrugineum 6027'.
 278478. 2338. 'Erythrospermum 6028'.
 278479. 2340. 'Ferrugineum 6031'.
 278480. 2341. 'Erythrospermum 6032'.
 278481. 2342. 'Ferrugineum 6033'.
 278482. 2343. 'Graecum 6034'.
 278483. 2344. 'Graecum 6035'.
 278484. 2345. 'Graecum 6036'.
 278485. 2435. 'Erythrolucox 29678'. Tajik Republic.
 278486. 2437. 'Erythrospermum 29666'.
 278487. 2438. 'Erythrospermum Rigidum/29797'.
 278488. 2439. 'Ferrugineum 296675'.
 278489. 2440. 'Graecum 29686'.
 278490. 2441. 'Graecum 29679'. Tajik Republic.
 278491. 2447. 'Erythrospermum 24674'. Uzbek.
 278492. 2448. 'Erythrospermum 25034'. Uzbek.
 278493. 2449. 'Erythrospermum 7264'. Uzbek.

278494 and 278495. Originally from South Africa.

278494. 1956. 'Rooi Kleinkoren'.
 278495. 1957. 'Birdproof'.

278496 to 278512. Originally from Spain.

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| 278496. 99. 'Ex. Sevilla 18'. | 278505. 126. 'Castellon 2'. |
| 278497. 102. 'Ex. Sevilla 20'. | 278506. 128. 'Valencia 2'. |
| 278498. 106. 'Ex. Sevilla 25'. | 278507. 129. 'Valencia 3'. |
| 278499. 109. 'Ex. Sevilla 26'. | 278508. 131. 'Valencia 4'. |
| 278500. 111. 'Ex. Sevilla 27'. | 278509. 133. 'Valencia 6'. |
| 278501. 122. 'Navarra 74'. | 278510. 134. 'Valencia 10'. |
| 278502. 123. 'Barcelona 5'. | 278511. 861. 'Solina'. |
| 278503. 124. 'Barcelona 6'. | 278512. 864. 'Valencia'. |
| 278504. 125. 'Castellon 1'. | |

278513 to 278530. Originally from Sweden.

278513. 262. 'Diamond'.
 278514. 267. 'Svalof's Riddar'.
 278515. 268. 'Trifolium 14'.
 278516. 270. 'Sun Wheat II'.
 278517. 271. 'Panzer'.
 278518. 272. 'Sonnenweizen'.
 278519. 273. 'Grenadier II'.

278181 to 278660—Continued**278181 to 278637—Continued****278513 to 278530—Continued**

278520. 274. 'Bore Wheat'.
 278521. 277. 'Pudel Wheat'.
 278522. 1346. 'Iron'.
 278523. 1654. 'Svalof's Stahlweizen'.
 278524. 1655. 'Svalof's Sveaweizen II'.
 278525. 1656. 'Svalof's Thuleweizen II'.
 278526. 1657. 'Svalof's Kronenweizen'.
 278527. 1658. 'Svalof's Sonnenweizen III'.
 278528. 1660. 'Weibull's Jarl'.
 278529. 1661. 'Landweizen'.
 278530. 2808. 'Weibull's Ertus'.

278531 to 278553. Originally from Syria.

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| 278531. 932. 'Beyrouth 11'. | 278543. 956. 26. |
| 278532. 933. 'Beyrouth 1'. | 278544. 957. 27. |
| 278533. 936. 'Beyrouth 3'. | 278545. 958. 28. |
| 278534. 941. 'Damaskus 6'. | 278546. 960. 30. |
| 278535. 943. 'Damaskus 7'. | 278547. 965. 32. |
| 278536. 944. 'Damaskus 8'. | 278548. 967. 33. |
| 278537. 945. 'Damaskus 12'. | 278549. 1009. 'Cyprus 1'. |
| 278538. 947. 'Aleppo 1'. | 278550. 1010. 2. |
| 278539. 949. 10. | 278551. 1015. 9. |
| 278540. 950. 21. | 278552. 1016. 15. |
| 278541. 951. 23. | 278553. 2798. 'Tripolitico'. |
| 278542. 953. 25. | |

278554 to 278561. Originally from Tunis (Tunisia).

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| 278554. 910. 'Tunis 1'. | 278558. 917. 'Tunis 10'. |
| 278555. 912. 'Tunis 2'. | 278559. 919. 'Tunis 11'. |
| 278556. 914. 'Tunis 3'. | 278560. 923. 'Tunis 23'. |
| 278557. 915. 'Tunis 9'. | 278561. 924. 'Tunis 24'. |

278562 to 278595. Originally from the United Kingdom.

278562. 279. 'Victor'.
 278563. 280. 'Stand-up White'.
 278564. 282. 'Red Standard'.
 278565. 283. 'Webb's New Standard'.
 278566. 284. 'Joss'.
 278567. 285. 'Master's Squarehead II'.
 278568. 286. 'Master's New Line of Yeoman'.
 278569. 287. 'Master's New White "Ideal"'.
 278570. 1310. 'April Bearded'.
 278571. 1312. 'Bearded Red'.
 278572. 1314. 'Benefactress'.
 278573. 1315. 'Browick'.
 278574. 1317. 'Carter's Million III'.

278181 to 278660—Continued**278181 to 278637—Continued****278562 to 278595—Continued**

278575. 1318. 'Colossus'.
 278576. 1319. 'Coxton Champion'.
 278577. 1321. 'Ipswich Masterpiece'.
 278578. 1322. 'Marshall Foch'.
 278579. 1323. 'Master's A-1'.
 278580. 1325. 'Pantser'.
 278581. 1326. 'Premier'.
 278582. 1327. 'Reactor'.
 278583. 1331. 'Setter'.
 278584. 1332. 'Squarehead' (P.B.I.).
 278585. 1334. 'Master's Squarehead Master II'.
 278586. 1336. 'The Hawk'.
 278587. 1337. 'Trifolium XIV'.
 278588. 1340. 'Webb's White Wonder'.
 278589. 1341. 'White Victoria'.
 278590. 1342. 'Winter Bearded'.
 278591. 1343. 'White Queen'.
 278592. 1345. 'Yeoman's Master'.
 278593. 1653. 'Webb's New Harvester'.
 278594. 2346. W.70E.
 278595. 2405. 'Little Tich'.

278596 to 278637. Originally from Yugoslavia.

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| 278596. 25. 'Dalmatia 4'. | 278617. 46. 'Crotia 3'. |
| 278597. 26. 'Dalmatia 5'. | 278618. 49. 'Crotia 4'. |
| 278598. 28. 'Belgrade 6'. | 278619. 53. 'Crotia 5'. |
| 278599. 29. 'Belgrade 9'. | 278620. 55. 'Crotia 5'. |
| 278600. 31. 'Belgrade 9'. | 278621. 56. 'Crotia 6'. |
| 278601. 1. 'Serajevo 1'. | 278622. 60. 'Crotia 7'. |
| 278602. 4. 'Serajevo 2'. | 278623. 69. 'Crotia 11'. |
| 278603. 6. 'Serajevo 3'. | 278624. 72. 'Crotia 12'. |
| 278604. 9. 'Serajevo 4'. | 278625. 75. 'Crotia 15'. |
| 278605. 11. 'Serajevo 5'. | 278626. 79. 'Crotia 18'. |
| 278606. 17. 'Serajevo 9'. | 278627. 88. 'Belgrade No. 1'. |
| 278607. 24. 'Serajevo 13'. | 278628. 92. 3. |
| 278608. 25. 'Serajevo 14'. | 278629. 94. 4. |
| 278609. 27. 'Serajevo 15'. | 278630. 98. 7. |
| 278610. 28. 'Serajevo 16'. | 278631. 106. 'Macedonian 2' (graec.). |
| 278611. 34. 'Serajevo 17'. | 278632. 108. 7 (graec.). |
| 278612. 36. 'Serajevo 18'. | 278633. 109. 11 (eryth.). |
| 278613. 37. 'Dalmatia 2'. | 278634. 110. 12 (ferr.). |
| 278614. 39. 'Dalmatia 3'. | 278635. 111. 14 (eryth.). |
| 278615. 44. 'Crotia 1'. | 278636. 112. 'Banatka'. |
| 278616. 45. 'Crotia 2'. | 278637. 1364. S. 76. |

278181 to 278660—Continued

- 278638 to 278641.** TRITICUM COMPACTUM Host **Club wheat.**
278638. 2446. 'Fehorri 25031 Kazak'. From Russia (Union of Soviet Socialist Republics).
278639 to 278641. From the United Kingdom.
278639. 2704. 'American Club'.
278640. 2767. E.C.H. 524.
278641. 2768. E.C.H. 1096.
- 278642 to 278645.** TRITICUM DICOCCUM Schrank **Emmer.**
278642. 3. 'Emmer 1'. From Germany.
278643. 740. No. 14322. From Russia (Union of Soviet Socialist Republics).
278644 and 278645. From England.
278644. 822. E.C.H. 969.
278645. 835. E.C.H. 960.
- 278646.** TRITICUM DURUM Desf. **Durum wheat.**
 739. No. 6030. From Russia (Union of Soviet Socialist Republics).
- 278647.** TRITICUM POLONICUM L. **Polish wheat.**
 818. From England.
- 278648.** TRITICUM PYRAMIDALE Percival
 820. From England.
- 278649.** TRITICUM SPELTA L. **Spelt.**
 2697. 'Eplautre d'Hiver 2'. From Belgium.
- 278650.** TRITICUM SPHAEROCOCCUM Percival
 2769. 971. From the United Kingdom.
- 278651.** TRITICUM TURGIDUM L. **Poulard wheat.**
 825. E.C.H. 605. From England.
- 278652.** TRITICUM VAVILOVII (Tuman.) Jakub. ex Zhuk.
 2706. From the United Kingdom.
- 278653 to 278659.** TRITICUM (hybrids).
278653. 738. 'Zreak' × 'Amekkaoui 1658'. From Morocco.
278654. 1999. 'Sarrosa' (*T. durum* × *T. aestivum*). From Russia (Union of Soviet Socialist Republics).
278655. 2000. 'Sarrubra'. (*T. durum* × *T. aestivum*). From Russia (Union of Soviet Socialist Republics).
278656. 2325. 'Florence' × 'Aurore 588'. From Morocco.
278657. 2326. 'Tuzelle Sud Tunisienne' × 'Florence 1179'. From Morocco.
278658. 2330. ('Allies' × 'Federation') × 'Tuzelle 1572'. From Morocco.
278659. 2621. 'Kenya' ('DC.' × 'Ceres 721D'). From Kenya.
- 278660.** TRITICUM sp.
 2708. From the United Kingdom.
- 278661.** AUCUBA JAPONICA var. BOREALIS Miyabe & Kudo **Cornaceae.**
 From Japan. Seeds presented by Tamatsu Eguchi, Matsumae Rimmusho, Minoru Tsurumachi, Hokkaido. Received Jan 15, 1962.
 Collected December 1961 on Hokkaido. Elevation 600 feet.

278662. GOSSYPIUM HIRSUTUM L. Malvaceae. Upland cotton.

From the Republic of Ivory Coast. Seeds presented by the Cotton Research Station, Bouake. Received Jan. 15, 1962.

Selfed seeds of a monosomic plant found in 'Allen 333' at Bouake, 1960.

278663. CAMELLIA HONGKONGENSIS Seem. Theaceae.

From Hong Kong. Seeds presented by the Urban Services Department, Victoria. Received Jan. 15, 1962.

278664 to 278695. PHASEOLUS VULGARIS L. Fabaceae.**Common bean.**

From the United States. Seeds held in storage at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered Jan. 15, 1962.

278664. No. G 11341. Bush to 12 inches high; flowers white; pods 4.5 by 0.5 inch, flat, light green, clusters above and below foliage, midseason to late maturing; seeds medium size, plump, oval, tan with red stripes.

278665. No. G 11342. Pole bean to 9 feet high; flowers whitish purple; pods 4 by 0.37 inch, flat, dark green to purple, clusters above and below foliage, ripening early midseason; seeds small, black, plump, rectangular.

278666. No. G 11343. Pole bean to 9 feet high; flowers whitish purple; pods 4 by 0.37 inch, flat, dark green to purple, clusters above and below foliage, seeds medium size, long, plump, oval, red.

278667. No. G 11344. Pole bean to 9 feet high; flowers whitish purple; pods 4 by 0.37 inch, flat, dark green to purple, clusters above and below foliage; seeds medium size, flat, rectangular, tan.

278668. No. G 11345. Bush to 10 inches high; flowers pink; pods 4.5 by 0.5 inch, flat, light green, maturing midseason to late; seeds large, oblong, buff, many aborted; hilum sunken, brown. Tolerance to root rot, 2.4 on scale of 0 to 9.

278669. No. G 11346. Bush to 12 inches high; flowers purple; pods 6 by 0.37 inch, light green, early maturing; seeds large, black, kidney shaped.

278670. No. G 11347. Bush to 10 inches high; flowers purple; pods 5.5 by 0.5 inch, midseason; seeds large, oblong, plump, black, glossy. Susceptible to virus disease and halo blight.

278671. No. G 11348. Bush to 13 inches high; late maturing; seeds small, flat, rectangular, tan. Tolerance to root rot, rating 2.0 on scale 0 to 9.

278672. No. G 11349. Bush to 9 inches high; pods 5 by 0.5 inch, dark green, maturing from very early to late midseason; seeds long, oval, blue to purple, speckled.

278673. No. G 11350. Bush to 9 inches high; pods 5 by 0.5 inch, dark green; maturing from very early to late midseason; seeds elongate, kidney shaped, dusky tan.

278674. No. G 11351. Bush to 9 inches high; pods 5 by 0.5 inch, dark green, maturing from very early to late midseason; seeds flat, oval, tan, striped.

278675. No. G 11352. Bush to 11 inches high; flowers pink; pods 4.5 by 0.5 inch, flat, light green, maturing late; seeds large, oblong, buff, many aborted; hilum sunken, brown. Susceptible to virus disease and halo blight; root rot tolerance 3.2 on scale 0 to 9.

278676. No. G 11353. Bush to 14 inches high; flowers pink; pods 4.5 by 0.5 inches, light green, maturing midseason to late; seeds large, elongate, plump, purple. Susceptible to virus disease but free from halo blight; root rot tolerance 2.5 on scale 0 to 9.

278677. No. G 11354. Bush to 15 inches high; flowers pink; very late maturing; seeds oval, elongate, tan to light green; resistant to virus diseases and halo blight; root rot susceptibility 3.8 on scale 0 to 9.

278664 to 278695—Continued

- 278678.** No. G 11355. Bush to 12 inches high; flowers pink; very late maturing; seeds large, plump, kidney shape, maroon. Susceptible to virus diseases; root rot susceptibility 3.0 on scale 0 to 9.
- 278679.** No. G 11356. Bush to 11 inches high; flowers pinkish white; pods 4.5 by 0.5 inch, flat, dark green to red, maturing midseason; seeds medium size, plump, oval, tan, striped and brown speckled. Free from virus disease and halo blight.
- 278680.** No. G 11357. Bush to 12 inches high; flowers pink; pods 6 by 0.5 inch, flat, light green, maturing midseason; seeds medium size, elongate, tan to greenish tan. Susceptible to halo blight; tolerance to root rot 2.7 on scale 0 to 9.
- 278681.** No. G 11358. Pole bean to 12 feet high; flowers white; pods 3.5 by 0.37 inch, flat, light green, maturing midseason; seeds small, plump, rectangular, white; seed coat wrinkled; susceptible to halo blight and root rot.
- 278682.** No. G 11359. Pole bean to 12 feet high; flowers white; pods 4 by 0.5 inch, flat, light green, maturing early midseason; seeds white, narrow; seed coat wrinkled. Free from virus disease and halo blight.
- 278683.** No. G 11360. Bush to 10 inches high; flowers white to purple; pods 4 by 0.37 inch, flat, light green, maturing midseason; seeds elongate, medium size, kidney shape, two-tone brown and white. Free from virus diseases; susceptible to halo blight; root rot tolerance 2.3 on scale 0 to 9.
- 278684.** No. G 11361. Bush to 10 inches high; flowers white to purple; pods 4 by 0.37 inch, flat, light green, maturing midseason; seeds medium size, flat, rectangular, grayish fawn to blue. Free from virus disease; susceptible to halo blight; root rot tolerance 2.3 on scale 0 to 9.
- 278685.** No. G 11362. Bush to 10 inches high; pods 5.5 by 0.37 inch, flat, yellow, maturing early; seeds medium size, long oval, plump, greenish tan, glossy, many aborted. Susceptible to halo blight.
- 278686.** No. G 11363. Pole bean to 12 feet high; flowers white; seeds small, plump, oval, white, maturing very late. Free from virus disease and halo blight; tolerance to root rot 1.9 on scale 0 to 9.
- 278687.** No. G 11364. Pole bean to 12 feet high; flowers white; seeds medium size, flat, rectangular, light tan, maturing very late. Free from virus disease and halo blight; tolerance to root rot 1.9 on scale 0 to 9.
- 278688.** No. G 11365. Pole bean to 15 feet high; flowers white to purple; pods 3.5 by 0.37 inch, flat, light green, maturing midseason; seeds medium size, plump, oval, dark purple, many aborted. Susceptible to halo blight; tolerance to root rot 3.4 on scale 0 to 9.
- 278689.** No. G 11366. Pole bean to 12 feet high; flowers white; pods 4.5 by 0.5 inch, flat, light green; maturing midseason; seeds plump, oval, two-tone purple and white. Susceptible to halo blight; tolerance to root rot 3.1 on scale 0 to 9.
- 278690.** No. G 11367. Pole bean to 15 feet high; flowers white to purple; pods 4.5 by 0.5 inch, flat, light green, maturing midseason; seeds medium size, flat, oval, dusky olive tan. Susceptible to halo blight; tolerance to root rot 3.1 on scale 0 to 9.
- 278691.** No. G 11368. Pole bean to 12 feet high; flowers white; pods 4.5 by 0.37 inch, flat, light green, maturing early; seeds medium size, flat, rectangular, white; seed coat wrinkled. Susceptible to halo blight; tolerance to root rot 3.5 on scale 0 to 9.
- 278692.** No. G 11369. Pole bean to 13 feet high; flowers pink; pods 5 by 0.5 inch, flat, light green to red, early maturing; seeds medium size, plump, oval, tan, striped purple, many aborted. Susceptible to halo blight; tolerance to root rot 2.7 on scale 0 to 9.

278664 to 278695—Continued

278693. No. G 11377. Bush to 7 inches high; flowers white; pods 4 by 0.5 inch, flat, light green, maturing midseason; seeds medium size, long, oval, plump, tan, glossy; hilum brown. Susceptible to halo blight; tolerance to root rot 2.7 on scale 0 to 9.

278694. No. G 11378. Bush to 12 inches high; flowers purple; pods 6 by 0.37 inch, light green, maturing early; seeds medium size, elongate, ends rounded, almost cylindrical, dusky greenish brown. Free from halo blight; tolerance to root rot 3.1 on scale 0 to 9.

278695. No. G 11379. Bush to 10 inches high; flowers pink; pods 4.5 by 0.5 inch, flat, light green, maturing late; seeds large, elongate, plump, rounded ends, light tan; hilum brown.

278696 to 278726.

From sources as indicated. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Numbered Jan. 16, 1962.

278696. *AGROSTIS ALBA* L. Poaceae. **Redtop.**

A component of P.I. 221908, *Poa pratensis*, from Afghanistan. Plant rhizomatous, moderate spreader.

278697. *BROMUS CARINATUS* Hook. & Arn. Poaceae. **California brome grass.**

SCS PMC-5857. Seeds presented by De Kalb Agriculture association, De Kalb, Illinois.

278698. *CORONILLA VARIA* L. Fabaceae. **Crownvetch.**

M2-10215. 'Emerald'. Seeds presented by SCS Nursery, Ames, Iowa. Iowa SCS nursery strain. Plant vigorous, hardy, spreading.

278699 to 278705. Seeds presented by the Dominion Arboretum and Botanic Garden, Ottawa, Canada.

278699. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

'Oron'. Plant leafy, late, vigorous, selected for disease resistance and hardiness.

278700 and 278701. *FESTUCA ELATIOR* L. Poaceae. **Meadow fescue.**

278700. 'Mefan'. C.A.N. 5169. Plants long lived, vigorous, hardy, uniform. Selected for disease resistance and hardiness.

278701. 'Ensign'. C.A.N. 5168. Plants of upright habit, uniform, leafy bottom, productive; resistant to leaf rust and leaf spot.

278702 and 278703. *FESTUCA RUBRA* L. **Red fescue.**

278702. 'Duraturf'. C.A.N. 5178. Plants of upright habit, uniform, leafy base, hardy, drought resistant.

278703. 'Refon'. C.A.N. 5179. Plants hardy, vigorous, leafy; selected for hardiness and resistance to drought and disease.

278704. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**

'Norlea'. Plants hardy but susceptible to disease.

278705. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

'Ferax'. C.A.N. 5155. Very high seed producer under northern Alberta conditions. Plants perform reasonably well at Ames.

278706. *PHALARIS ARUNDINACEA* L. Poaceae. **Reed canarygrass.**

Seeds collected in northern Lake Huron district, Ontario, Canada. Plant performance generally good but made little fall recovery.

278696 to 278726—Continued

278707. *SPOROBOLUS PYRAMIDALIS* Beauv. Poaceae.

A component of P.I. 258456, *Agrostis* sp., from St. Helena, South Atlantic Ocean.

278708 to 278726. *ZEA MAYS* L. Poaceae. **Corn.**

278708 to 278721. Seeds presented by E. J. Dollinger, Wooster, Ohio.

278708. 'Blue Clarage'. Aleurone blue. Adapted to central Ohio.

278709. 'Browns 90 Day'. Open-pollinated, from the J. B. Sayre collection.

278710. 'Cash'. Medium maturity variety adapted to central and western Ohio.

278711. 'Cash White'. Also known as 'Sandy Lewis White'. Adapted to the Scioto Valley.

278712. 'Cooks Early Yellow Dent'. Early variety adapted to northeastern Ohio.

278713. 'Eichelburger Clarage'. Open-pollinated, from the J. B. Sayre collection.

278714. 'Fosters White'. Also known as 'Scioto White'. A late white variety adapted to the Scioto Valley.

278715. 'Kantz Flint'. Open-pollinated, from the J. B. Sayre collection.

278716. 'Late Clarage'. Adapted to central and southwestern Ohio.

278717. 'Leaming'. Open-pollinated, from the J. B. Sayre collection.

278718. 'Medina Pride'. An early variety adapted to northeastern Ohio.

278719. 'Reids Yellow Dent'. Late-maturing variety.

278720. 'Woodburn'. A midseason variety.

278721. 'Wooster Clarage'. Early variety of 'Clarage' adapted to northern Ohio.

278722 to 278724. From Iowa. Seeds presented by L. H. Penny.

278722. 'Alph'. Long ear dent, primarily yellow.

278723. 'Iowa Ideal'. White dent.

278724. 'Johnson County White'. White dent.

278725 and 278726. From Missouri. Seeds presented by Dr. M. S. Zuber.

278725. 'Patterson's Small Cob'.

278726. 'Smiley Silage'.

278727 to 278732. *PYRUS COMMUNIS* L. Malaceae.

From India. Budsticks presented by the Agricultural College and Research Institute, Coimbatore. Received Jan. 16, 1962.

From subtropical region with low-chilling requirement.

278727. Tree 1. La Providence.

278728. Tree 2. La Providence.

278729. Tree 1. Samy's Estate.

278730. Tree 2. Samy's Estate.

278731. Tree 1. Sivaganga Estate.

278732. Tree 2. Sivaganga Estate.

278733 to 278739.

From the United States. Plants and cuttings collected in the wild and established at the Agricultural Experiment Station, Jonesboro, Maine, numbered Jan. 16, 1962.

Key to numerical ratings of blueberry fruit characters:

<i>Character</i>	<i>Rating</i>	<i>Explanation</i>	<i>Range of commercial acceptability</i>
Color	1-10	1—shiny black 10—lightest blue	5-10
Crop	0-10	0—no crop 10—full crop	
Firmness	1-10	1—softest 10—firmest	5-10
Flavor	1-10	1—flavor lacking 10—highest flavor	5-10
Scar	1-10	1—largest, wettest 10—smallest, driest	6-10
Season	1-10	1—latest ripening 10—earliest ripening	

278733. *VACCINIUM ANGUSTIFOLIUM* var. *LAEVIFOLIUM* House Vacciniaceae.

Collected July 1960, roadside, Barrens-Schoodic Lake road, five miles from State Route 193. Plant vigorous spreading; stems to eight feet long; fruit borne in short, loose terminal clusters; berries large, color 8-9, firmness 6, flavor 5, scar 9.

278734 to 278738. *VACCINIUM CORYMBOSUM* L. **Highbush blueberry.**

278734. No. 2. Cuttings collected July 1960, roadside meadow, State Route 3, two miles east of Mount Frye. Plant of medium vigor, 6 feet high; crop 2, sparse in top; berries: color 6, flavor 6.

278735. No. 3. Cuttings taken August 1960 from abandoned Agricultural Experiment Station planting of the 1930's at North Sedgwick. Plant vigorous, upright, some top killing; berries small; crop 7, season 7, color 4, firmness 6, flavor 7, scar 7.

278736. No. 4. Cuttings taken August 1960 from abandoned Agricultural Experiment Station planting of the 1930's at North Sedgwick. Plant vigorous, spreading; berries small; crop 6, season 6, color 5, firmness 7, flavor 7, scar 10.

278737. No. 6. Cuttings taken June 1961, right side of trail, crest of juniper ledge, Yoder farm, Montville. Plant 6 feet high, spreading; fruit borne in loose, full clusters; early; slight tip killing; blossom and twig blight evident but no witches broom.

278738. No. 7. Cuttings taken June 1961, left side of trail, edge of field, Yoder Farm, Montville. Plant large, spreading 8 feet high and 10 feet wide; crop borne in top in loose clusters. Blossom blight and witches broom present.

278739. *VACCINIUM MYRTILLOIDES* Michx.

Plant collected August 1960, roadside meadow, State Route 3, 2 miles east of Mount Frye. Plant vigorous, spreading; stems to 15 inches long; fruit borne in small, loose clusters; berries late, small; crop 7, color 10, firmness 5, flavor 5, scar 10.

278740 to 278744. TRITICUM AESTIVUM L. Poaceae.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received January 17, 1962.

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| 278740. 'Taichung 2'. | 278743. 'Taichung 31'. |
| 278741. 'Taichung 23'. | 278744. 'Taichung 32'. |
| 278742. 'Taichung 29'. | |

278745 to 278747.

From Spain. Seeds presented by Jardin Botanico de Madrid. Received January 17, 1962.

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| 278745. HORDEUM BULBOSUM L. Poaceae. | Bulbous barley. |
| 278746. HORDEUM SECALINUM Schreb. | |
| 278747. HORDEUM VULGARE L. | |

278748. GOSSYPIUM sp. Malvaceae.

From British Guiana. Seeds presented by the United States Operations Mission, Georgetown. Received January 17, 1962.

Collected from plants in the wild. Plants 14 feet high; stems 4 inches in diameter; leaves red; blossoms yellow; boll has 3 locks; fiber white.

278749 and 278750.

From Mexico. Bulbs collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received January 17, 1962.

278749. MANFREDA sp. Amaryllidaceae.

No. 19610. Three to four miles northeast of Tejupilco. Dec. 7, 1961. Elevation 6,000 feet. Plants small, few-leaved rosettes; some of the leaves spotted, broad, pubescent.

278750. MANFREDA sp.

No. 19611. Three to four miles northeast of Tejupilco. Dec. 7, 1961. Elevation 6,000 feet. Small, narrow-leaved rosettes with leaves on one side below peduncle.

278751 to 278757. HIBISCUS SYRIACUS L. Malvaceae.**Shrub-althea.**

From France. Plants purchased from Pepinieres Charles Detriche, Angers (Main-St. Loire). Received January 19, 1962.

- | | |
|-------------------------------|------------------------------|
| 278751. 'Amplissima'. | 278755. 'Rubra Grandiflora'. |
| 278752. 'Boule de Feu'. | 278756. 'Rubra Plena'. |
| 278753. 'Monstruosus Simple'. | 278757. 'Snowdrift'. |
| 278754. 'Roseus Plenus'. | |

278758 to 278764. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From the Federation of Rhodesia and Nyasaland. Seeds held in storage at the North Carolina State College, Raleigh. Numbered January 19, 1962.

Seeds received from Nyasaland, May 1960.

278758. 'ARS. Spanish'. Plant bunch type, to 35.25 cm. high, medium size; branches 14, sequential; leaflets 273, 61.4 by 27.2 mm., 5th between lower pair; matures in 103 days; shelling 66.4 percent; testa red; kernels 3 per pod, 71 per oz.; oil content 48.9 percent. Very susceptible to *Cercospora*.

278758 to 278764—Continued

- 278759.** 'Chalimban'. Plant runner type, to 30 cm. high, large; branches 33, alternate; leaflets 1382, 56.1 by 33.5 mm., 5th between upper pair; matures in 136 days; shelling 65.4 percent; testa pink; kernels 3 per pod, 35 per oz.; oil content 48.9 percent. Moderately susceptible to *Cercospora*.
- 278760.** 'Chimbuwila'. Plant runner type, to 31.75 cm. high, large; branches 37, alternate; leaflets 801, 52.8 by 27.0 mm., 5th between upper pair; matures in 137 days; shelling 69.7 percent; testa pink; kernels 2 to 3 per pod, 53 per oz.; oil content 48.0 percent. Slightly susceptible to *Cercospora*.
- 278761.** 'Dixie Runner'. Plant runner type, to 27.75 cm. high, medium size; branches 39, alternate; leaflets 1353, 43.9 by 28.6 mm., 5th between upper pair; matures in 135 days; shelling 67.1 percent; testa pink; kernels 2 per pod, 62 per oz.; oil content 49.6 percent. Moderately susceptible to *Cercospora*.
- 278762.** 'Early Runner'. Plant runner type, to 20.75 cm. high, small; branches 31, alternate; leaflets 594, 44.3 by 24.1 mm., 5th between upper of lower pair; matures in 121 days; shelling 70.5 percent; testa pink; kernels 2 per pod, 63 per oz.; oil content 48.1 percent. Very susceptible to *Cercospora*.
- 278763.** 'Gambia'. Plant bunch type, to 38.25 cm. high, medium size; branches 15, sequential; leaflets 390, 65.7 by 34.2 mm., 5th between lower pair; matures in 110 days; shelling 67.0 percent; testa brown; kernels 2 per pod, 59 per oz.; oil content 48.4 percent. Very susceptible to *Cercospora*.
- 278764.** 'Mwitunde'. Plant bunch type, to 38.5 cm. high, large spreading; branches 33, alternate; leaflets 786, 54.7 by 28.5 mm., 5th between upper pair; matures in 136 days; shelling 69.1 percent; testa pink; kernels 3 per pod, 60 per oz.; oil content 48.8 percent. Slightly susceptible to *Cercospora*.

278765 to 278780.

From Canada. Seeds presented by the Central Experimental Farm, Ottawa, Ontario. Received January 22, 1962.

278765. AGROPYRON CRISTATUM (L.) Gaertn. Poaceae.

Crested wheatgrass.

'Summit'. Selection from a west Siberian experimental station, Omsk, U.S.S.R. strain. A high-yielding tetraploid form similar to 'Fairway' in pasture performance.

278766 and 278767. BRASSICA NAPUS L. Brassicaceae.

Rape.

278766. 'Arlo'. From Svalof, Sweden. Cannot be distinguished from commercial 'Polish'. Has low erucic acid content.

278767. 'Golden'. Single plant selection made in Saskatchewan. Superior in oil yield and iodine number.

278768. DACTYLIS GLOMERATA L. Poaceae.

Orchardgrass.

'Chinook'. Lethbridge Research Station selection from a local collection. Very hardy; yield average.

278769. FESTUCA ELATIOR L. Poaceae.

Meadow fescue.

'Ensign'. Combination of several desirable selfed lines outstanding in forage and seed yields.

278770. FESTUCA RUBRA L.

Red fescue.

'Duraturf'. A mass selection from Swedish material. Creeping; a good sod former.

278765 to 278780—Continued

278771. *GLYCINE MAX* (L.) Merrill Fabaceae. **Soybean.**

'Harman'. From the Royal Botanic Garden, Kew, seed collection, probably via Harbin, Manchuria. Plant to 38 inches high; leaves prominently veined; seeds yellow with black hilum.

278772. *HELIANTHUS ANNUUS* L. Asteraceae. **Sunflower.**

'Advance'. Stem strong; head large; seeds black with white stripe. Resistant to sunflower moth.

278773. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**

'Norlea'. Selection from 15,000 plants representing 100 introductions. Extremely winter hardy and high seed yielder.

278774. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

'Viking'. Selected at Cornell from European material. Very winter hardy. More uniform, erect, and taller than 'Empire'.

278775. *MELILOTUS OFFICINALIS* (L.) Lam. Fabaceae. **Yellow sweetclover.**

'Erector'. From Colorado where it was grown as 'Mammoth Yellow' via the Dominican Experimental Farm, Brandon. Developed by massing and selecting plants with branches having a pronounced acute angle to the stem. Stems fine; high ratio of leaves to stem.

278776. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

'Clipper'. Selected from a cross, 'Beauty' × 'Burbank', made at the Central Experimental Farm, Ottawa. Seeds white, ends round. Resistant to mosaic.

278777 to 278779. *PISUM SATIVUM* L. Fabaceae. **Pea.**

278777. 'Arthur'. Cross between 'Mummy' × 'Multiplier'. Seed wrinkled, 1,000 = 230 grams; used in soup.

278778. 'Chancellor'. From an earlier variety of the same name. Seed smooth, yellow, 1,000 = 134 grams; used in soup.

278779. 'Creamette'. Cross between ('Chancellor' × 'Early Raymond') × 'Stirling'. Seeds smooth, yellow.

278780. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

'Lasalle'. Equal parts of seeds of 'Dollard' and Ottawa varieties. Double cut type with some resistance to *Sclerotinia* root rot, northern anthracnose, and mildew.

278781 to 278785. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

From Pakistan. Seeds presented by the Baker Castor Oil Company, Los Angeles, Calif. Received January 22, 1962.

All stems were with bloom; capsules were green, spiny.

278781. Plant No. 1, 4.5 feet high; stem small, green; 1st flower at 11th node.

278782. Plant No. 2, 5.5 feet high; stem small, green; 1st flower at 11th node.

278783. Plant No. 3, 4.5 feet high; stem very small, green; 1st flower at 11th node.

278784. Plant No. 4, 6.5 feet high; stem medium, red; 1st flower at 11th node.

278785. Plant No. 5, 6.5 feet high; stem medium, red; 1st flower at 12th node.

278786 to 278839. TRIFOLIUM HYBRIDUM L. Fabaceae.**Alsike clover.**

From the United States. Seeds collected by the Colorado State University and the Crops Research Division, U.S. Department of Agriculture.

Numbered January 22, 1962.

Collected in states indicated.

- 278786.** No. 1. Deyo Jeffer's Ranch, Banner, Wyo. Elevation 3,800 feet. Meadow area. Infected with powdery mildew and virus.
- 278787.** No. 2. Masters Ranch, Ranchester, Wyo. Elevation 3,800 feet. Meadow area. Infected with powdery mildew and virus.
- 278788.** No. 3. Roadside, 55 miles south of Bozeman, along Gallatin River, Mont. Elevation 6,000 feet.
- 278789.** No. 4. Whitney Brothers Ranch, Twin Bridges, Mont. Elevation 4,800 feet. Wet meadow. Infected with sooty blotch.
- 278790.** No. 5. Five Z Ranch, 20 miles east of Jackson, Mont. Elevation 7,000 feet. Relatively dry valley, adjacent to wet meadow. Infected with powdery mildew.
- 278791.** No. 6. Adjacent to wet meadow, 0.5 mile south of Jackson, Mont. Elevation 6,474 feet. Disease free.
- 278792.** No. 7. Eight miles south of Wisdom, Mont. Elevation 6,300 feet. Wet meadow. Disease free.
- 278793.** No. 8. Wet meadow. Fishtrap, Mont. Elevation 6,000 feet.
- 278794.** No. 9. Top of pass between Fishtrap and Anaconda, Mont. Elevation 7,200 feet. Site rugged; plants short, rosettes. Infected with powdery mildew.
- 278795.** No. 10. Wet meadow. Near Finn, 10 miles north of Avon, Mont. Elevation 4,500 feet. Infected with sooty blotch and powdery mildew.
- 278796.** No. 11. One mile south of Helmville, Mont. Elevation 4,000 feet. Wet meadow. Infected with sooty blotch.
- 278797.** No. 12. Along Blackfoot River two miles above junction of Montana 20 and Secondary 271. Wet meadow. Elevation 4,000 feet. Disease free.
- 278798.** No. 13. Two miles north of Potomac, and at Potomac, Mont. Elevation 4,000 feet. Dry meadow. Infected with sooty blotch.
- 278799.** No. 14. Lakefork to Cascade, Idaho. Elevation 5,000 feet. Infected with mildew and sooty blotch.
- 278800.** No. 15. Star Valley, 2.5 miles south of Smoot. Elevation 6,600 feet. Infected with sooty blotch.
- 278801.** No. 16. One mile west of Tetonia, Idaho. Elevation 6,500 feet. Wet meadow. Infected with sooty blotch.
- 278802.** No. 17. One mile west of Wilson, Wyo. Elevation 6,200 feet. Dry meadow. Infected with sooty blotch.
- 278803.** No. 18. Wet meadow, 2.5 miles southwest of Jackson, Wyo. Elevation 6,200 feet. Infected with sooty blotch.
- 278804.** No. 19. One mile south of Bondurant, Wyo. Elevation 6,600 feet. Wet meadow. Infected with sooty blotch.
- 278805.** No. 20. Wet meadow, 0.5 mile north of Daniels, adjacent to Green River, Wyo. Elevation 7,200 feet. Disease free.
- 278806.** No. 21. Meadows between Cora and Pinedale, Wyo. Elevation 7,200 feet. Wet meadow. Disease free.
- 278807.** No. 22. Near Merna, about 16 miles from junction of Highways 187 and 189, Wyo. Elevation 7,400 feet. Wet meadow. Disease free.

278786 to 278839—Continued

278808. No. 23. Between Merna and Daniels, Wyo. Elevation 7,300 feet. Wet meadows. Disease free.
278809. No. 24. Grable Ranch, east of Boulder, Wyo. Elevation 7,100 feet. Wet meadow. Infected with powdery mildew.
278810. No. 25. Olson Ranch, 0.5 mile west of Boulder, Wyo. Elevation 7,100 feet. Wet meadow. Disease free.
278811. No. 26. Wet meadow, 0.5 mile west of Milner, Colo. Elevation 6,300 feet. Infected with sooty blotch.
278812. No. 27. Along Elk River, Colo. Elevation 7,000 feet. Wet meadows. Infected with sooty blotch.
278813. No. 28. Four miles south of Steamboat Springs, Colo. Elevation 6,700 feet. Infected with sooty blotch.
278814. No. 29. Wet meadows, 0.5 mile north of Yampa, Colo. Elevation 7,800 feet. Infected with sooty blotch.
278815. No. 30. Three miles east of summit, Gore Pass. Elevation 8,250 feet. Wet meadow. Infected with sooty blotch.
278816. No. 31. Fifteen miles south of Muddy Pass, Colo. Elevation 7,800 feet. Wet meadow. Disease free.
278817. No. 32. Ten miles northeast of Muddy Pass, Colo. Elevation 8,500 feet. Wet meadow. Disease free.
278818. No. 33. Five miles west of Hebron, Colo. Elevation 8,400 feet. Wet meadow. Infected with mildew and sooty blotch.
278819. No. 34. Carlstrom Ranch west of Walden, Colo. Elevation 8,300 feet. Wet meadow.
278820. No. 35. Near Tarryall, Colo. Elevation 8,250 feet. Wet meadow. Infected with sooty blotch.
278821. No. 36. Means Ranch, base of Monarch Pass and 8 miles below Sargents, Colo. Elevation 8,250 feet. Wet meadow. Infected with sooty blotch.
278822. No. 37. Adams Ranch, edge of Gunnison, along Tomichi Creek, Colo. Elevation 7,700 feet. Wet meadow. Infected with sooty blotch.
278823. No. 38. Dave Howard Ranch near Powderhorn, Colo. Elevation 8,500 feet. Dry meadow. Disease free.
278824. No. 39. One and 10 miles north of Lake City, Colo. Elevation 8,600 feet. Dry meadow. Infected with sooty blotch.
278825. No. 40. William Jutten Ranch, southeast of Montrose, Colo. Elevation 6,000 feet. Infected with sooty blotch.
278826. No. 41. Bruce Phillips Ranch, Ridgeway, Colo. Elevation 7,000 feet. Meadow. Infected with sooty blotch.
278827. No. 42. Harry McClure Ranch, near Dallas Divide, Colo. Elevation 7,300 feet. Wet meadow. Infected with mildew and sooty blotch.
278828. No. 43. Wet meadow. 0.25 mile west of Telluride, Colo. Elevation 8,800 feet. Disease free.
278829. No. 44. Russell Bonds Ranch, 8 miles northwest of Durango. Elevation 7,500 feet. Hillside. Infected with sooty blotch.
278830. No. 45. Daley Hott Ranch northwest of Pagosa Springs, Colo. Elevation 7,300 feet. Dry meadow. Infected with sooty blotch.
278831. No. 46. Sisson Ranch southwest of Pagosa Springs, Blanco Basin, Blanco Basin River, Colo. Elevation 7,500 feet. Wet meadow. Infected with sooty blotch.
278832. No. 47. Crowley Ranch south of Chromo, Colorado-New Mexico line. Elevation 7,500 feet. Infected with sooty blotch.

278786 to 278839—Continued

278833. No. 48. Along Trout Creek 0.5 miles above Baxterville, Colo. Elevation 8,000 feet. Infected with sooty blotch.
278834. No. 49. Along Rio Grande, six miles west of and one mile north of Del Norte, Colo. Elevation 7,900 feet. Dry meadow.
278835. No. 50. Near Villa Grove, Colo. Elevation 7,800 feet. Wet meadow. Disease free.
278836. No. 51. Two miles south of Nathrop, Colo. Elevation 7,700 feet. Wet meadow. Infected with sooty blotch.
278837. No. 52. Thirteen miles south of Fairplay, Colo. Elevation 9,500 feet. Wet meadow. Disease free.
278838. No. 53. Byers Ranch, South Park. Fairplay, Colo. Elevation 10,000 feet. Wet meadow. Disease free.
278839. No. 54. One mile west of Westcliff, Colo. Elevation 7,900 feet. Wet meadow. Disease free.

278840 to 278845.

From Australia. Plants purchased from Hazlewood Nurseries, Epping, New South Wales. Received January 23, 1962.

278840. HIBISCUS sp. Malvaceae.
'Auerole'.
278841. HIBISCUS sp.
'George Harwood'.
278842. HIBISCUS sp.
'Gloria'.
278843. HIBISCUS sp.
'Madeline Champion'.
278844. LAGERSTROEMIA sp. Lythraceae.
'Pink'.
278845. VIBURNUM ODORATISSIMUM Ker-Gawl. Caprifoliaceae.
Sweet viburnum.

278846 to 278851. FRAGARIA CHILOENSIS var. ANANASSA Bailey Rosaceae.

From France. Seeds presented by the Station d'Amelioration des Plantes Maraicheres, Domaine Saint-Maurice, Montfavet. Received Jan. 23, 1962.

Everbearing. Selfed. They form few if any stolons. $2n=56$ chromosomes.

278846. 'Gabriel d'Arbonville'. 278849. 'Madam Chaverot'.
278847. 'Geant Framboise'. 278850. 'Record'.
278848. 'Inepuisable'. 278851. 'Reine des Neiges'.

278852. CITRUS sp. Rutaceae.

From Spain. Seeds presented by C. Escriva, Valencia. Received Jan. 23, 1962.

278853 to 278857.

From the Netherlands. Plants purchased from the Royal Noerheim Nurseries, Dedemsvaart. Received Jan. 24, 1962.

278853. VIBURNUM DAVIDII Franch. Caprifoliaceae.
'Femina'.

278853 to 278857—Continued

278854 and 278855. *VIBURNUM PLICATUM* Thunb. **Japanese snowball.**

278854. 'Rowallane'.

278855. 'St. Keverne'.

278856. *VIBURNUM PLICATUM* f. *MARIESII* (Veitch) Rehd.

278857. *VIBURNUM* × *CHENAULTII* Chen.

278858 to 278861. *TRITICUM AESTIVUM* L. **Poaceae.**

Common wheat.

From Rhodesia. Seeds presented by the Federal Ministry of Agriculture, Salisbury. Received Jan. 24, 1962.

278858. 'Kafue' I 942.

278860. 'Marodzi' I 944.

278859. 'Limpopo' I 943.

278861. 'Mazoe' I 945.

278862. *PSOPHOCARPUS TETRAGONOLOBUS* (L.) DC. **Fabaceae.**

Goabean.

From Ceylon. Seeds presented by the Botanist's Research Station, Katugastota. Received Jan. 24, 1962.

Plants generally used as forage; roots tuberous, used as food in Burma; pods large, four angled, eaten like beans in Ceylon.

278863 to 279004.

From India. Seeds presented by the Rockefeller Foundation, New Delhi. Received Jan. 24, 1962.

278863. *PENNISETUM SCHIMPERI* Steud. ex A. Rich. **Poaceae.**

No. S-108. I.P. No. 254. Ethiopia.

278864 to 278968. *PENNISETUM SPICATUM* (L.) Willd.

Pearl millet.

278864 to 278870. Originally from Uganda.

278864. No. S-1. B-2 millets 'A.' I.P. No. 115.

278865. No. S-2. B-3 millets 'B.' No. 116.

278866. No. S-3. B-4 millets 'C.' I.P. No. 117.

278867. No. S-4. B-5 millets 'D.' I.P. No. 118.

278868. No. S-5. B-6 millets 'E.' I.P. No. 119.

278869. No. S-6. B-7 millets 'F.' I.P. No. 120.

278870. No. S-7. B-8 millets 'G.' I.P. No. 121.

278871 to 278896. Originally from Tanganyika via Uganda.

278871. No. S-8. B-9 Magashi. I.P. No. 122.

278872. No. S-9. B-11 Wuyan Gajima. I.P. No. 123.

278873. No. S-10. B-12 Awned millet. I.P. No. 124.

278874. No. S-11. B-13 Sukuma. I.P. No. 125.

278875. No. S-12. B-14 M. IS. I.P. No. 126.

278876. No. S-13. B-15 M. 2S. I.P. No. 127.

278877. No. S-14. B-16 M. 3S. I.P. No. 128.

278878. No. S-15. B-17 M. 4S. I.P. No. 129.

278879. No. S-16. B-18 M. 5S. I.P. No. 130.

278880. No. S-17. B-19 M. 6S. I.P. No. 131.

278881. No. S-18. B-20 M. 7S. I.P. No. 132.

278882. No. S-19. B-21 M. 8S. I.P. No. 133.

278863 to 279004—Continued**278871 to 278896—Continued**

278883. No. S-20. B-22 M. 9S. I.P. No. 134.
 278884. No. S-21. B-23 M.10S. I.P. No. 135.
 278885. No. S-22. B-24 M.11S. I.P. No. 136.
 278886. No. S-23. B-25 M.12S. I.P. No. 137.
 278887. No. S-24. B-26 M.13S. I.P. No. 138.
 278888. No. S-25. B-27 M.14S. I.P. No. 139.
 278889. No. S-26. B-28 M.15S. I.P. No. 140.
 278890. No. S-27. B-29 M.16S. I.P. No. 141.
 278891. No. S-28. B-38 M.16S. I.P. No. 150.
 278892. No. S-29. B-39 Tau. I.P. No. 151. Northern Rhodesia.
 278893. No. S-30. B-40 Tjolutjo. I.P. No. 152. Northern Rhodesia.
 278894. No. S-31. B-41 Managel. I.P. No. 153. Northern Rhodesia.
 278895. No. S-32. B-42 Korajan yellow. I.P. No. 154. Northern Rhodesia.
 278896. No. S-33. B-44 Cumber, Njoro. I.P. No. 155.
- 278897 to 278908.** Originally from Kenya via Uganda.
278897. No. S-35. B-47 Kitni millet sample 1. I.P. No. 158.
 278898. No. S-36. B-48 Kitni millet sample 2. I.P. No. 159.
 278899. No. S-37. B-49 Kitni millet sample 3. I.P. No. 160.
 278900. No. S-38. B-50 Mawele Kikomba sample 1. I.P. No. 161.
 278901. No. S-39. B-51 Mawele Kikomba sample 2. I.P. No. 162.
 278902. No. S-40. B-52 Mawele Kikomba sample 3. I.P. No. 163.
 278903. No. S-41. B-53 Mawele Kanithia sample 1. I.P. No. 164.
 278904. No. S-42. B-54 Mawele Kanithia sample 2. I.P. No. 165.
 278905. No. S-43. B-64 Bulrush millet, Magolomando, Nyasaland. I.P. No. 171.
 278906. No. S-44. B-65 Bulrush millet, short term Chikuanea. I.P. No. 172.
 278907. No. S-45. B-66 Bulrush millet, Visnza Koto Kota. I.P. No. 173.
 278908. No. S-46. B-67 Bulrush millet, Gowa Area, Nehan. I.P. No. 174.
- 278909 to 278922.** Originally from Nyasaland via Uganda.
278909. No. S-47. B-68 Bulrush millet, Mkwindlegena. I.P. No. 175.
 278910. No. S-48. B-69 Bulrush millet, Nsipe Valley, Nehan. I.P. No. 176.
 278911. No. S-49. B-70 Bulrush millet, Nitonge. I.P. No. 177.
 278912. No. S-50. B-73 Bulrush millet, Lundu 'B'. I.P. No. 179.
 278913. No. S-51. B-75 Bulrush millet, Luwonde. I.P. No. 181.
 278914. No. S-52. B-76 Bulrush millet, India 'Port Herland'. I.P. No. 183.
 278915. No. S-53. B-78 Bulrush millet, Chimpanemba 'Port Herland'. I.P. No. 184.

278863 to 279004—Continued**278909 to 278922—Continued**

278916. No. S-54. B-80 Bulrush millet, Kandu area, Liuuulezi, Nehan. I.P. No. 186.
278917. No. S-55. B-81 Bulrush millet, Mplamba 'Port Herland'. I.P. No. 187.
278918. No. S-56. B-82 Bulrush millet, Tshangu, Lilongwe. I.P. No. 188.
278919. No. S-57. B-83 Bulrush millet, Kasiya, I.P. No. 189.
278920. No. S-58. B-84 Bulrush millet, Mlanje 'A'. I.P. No. 190.
278921. No. S-59. B-85 Bulrush millet, Mlanje 'C'. I.P. No. 191.
278922. No. S-60. B-86 Bulrush millet, Mlanje, Kasumgu. I.P. No. 192.
- 278923 to 278934. Originally from Kenya via Uganda.
278923. No. S-61. B-87 Mawele Kalama, Machakor. I.P. No. 193.
278924. No. S-62. B-88 Machakor Mawele. I.P. No. 194.
278925. No. S-63. B-89 Machakor grown in Loc. 12, Kangomdin. I.P. No. 195.
278926. No. S-64. B-90 Abyssian hairy millet Loc. 11. I.P. No. 196.
278927. No. S-65. B-91 Kiharu Div. F/Hall. I.P. No. 197.
278928. No. S-66. B-96 millet, Mezu. I.P. No. 198.
278929. No. S-67. B-97 millet, Embu. I.P. No. 199.
278930. No. S-68. B-98 Unil PC6 Selection Bomaby. I.P. No. 200.
278931. No. S-69. B-99 Unil PC14 Selection Bomaby. I.P. No. 201.
278932. No. S-70. B-100 Unil PC18 Selection Bomaby. I.P. No. 202.
278933. No. S-71. B-101 Unil PC24 Selection Bomaby. I.P. No. 203.
278934. No. S-72. B-106 commercial Bahala. I.P. No. 205.
278935. No. S-73. B-128 birdproof, from Haylock. I.P. No. 219.
278936. No. S-74. B-129 'Hedge Hog', from Nyasaland. I.P. No. 220.
278937. No. S-75. B-131 long headed millet. I.P. No. 221.
278938. No. S-76. B-132 Tjlotjo millet. I.P. No. 222.
278939. No. S-77. B-1 awned millet. I.P. No. 223.
278940. No. S-101. MWEE, from Kasumgumi. I.P. No. 247.
278941. No. S-102. MWEE, from Kola, I.P. No. 248.
278942. No. S-103. Rhodesian commercial, Nyouti local. I.P. No. 249.
278943. No. S-104. Tjlotjo, bearded Nyouti. I.P. No. 250.
278944. No. S-105. Kunkhon-Khartoum. I.P. No. 251.
278945. No. S-107. I.P. No. 253.
278946. No. S-110. Babola DL/59/1550. I.P. No. 256.
278947. No. S-111. Originally from Katherine, Northern Territory Australia, FAO Seed Accession No. 8480, S150. I.P. No. 257.
278948. No. S-112. FAO Seed Accession No. 8489, S150. I.P. No. 258.
278949. No. S-114. 1-58 early millet. I.P. No. 260.
278950. No. S-115. 8/59 birdproof. I.P. No. 261.
278951. No. S-116. 556 Kordfan yellow. I.P. No. 262.

278863 to 279004—Continued

278952. No. S-117. 7/59 Kasama Local Selection. I.P. No. 263.
 278953. No. S-118. 12/56 Tjolutjo. I.P. No. 264.
 278954. No. S-119. 2/58 Kabanga. I.P. No. 265.
 278955. No. S-120. K. yellow E.C. R/205A. I.P. No. 266.
 278956. No. S-121. K. black E.C. R/205B. I.P. No. 267.
 278957. No. S-122. Maigashi E.C. R/344. I.P. No. 268.
 278958. No. S-123. Managil E.C. R/982. I.P. No. 269.
 278959. No. S-133. 6. I.P. No. 580.
 278960. No. S-134. 35-7B. I.P. No. 581.
 278961. No. S-135. 35-8. I.P. No. 582.
 278962. No. S-136. 35-10. I.P. No. 583.
 278963. No. S-137. 35-49. I.P. No. 584.
 278964. No. S-138. 46-9. I.P. No. 585.
 278965. No. S-139. 49-1. I.P. No. 586.
 278966. No. S-140. 49-2. I.P. No. 587.
 278967. No. S-141. PC 19. I.P. No. 588.
 278968. No. S-142. PC 28. I.P. No. 589.
278969 to 279001. PENNISETUM TYPHOIDES (Burm.) Stapf & Hubbard.
 278969. No. S-78. Soroti. Ear short; grain large; awns short. I.P. No. 224.
 278970. No. S-79. Ear and grain medium size. I.P. No. 225.
 278971. No. S-80. Soroti. Ear medium size; seed large. I.P. No. 226.
 278972. No. S-81. Soroti. Plant and ear small. I.P. No. 227.
 278973. No. S-82. Soroti. Ear small; grain medium size; glumes dark grey. I.P. No. 228.
 278974. No. S-83. Soroti. Ear medium size; grain large. I.P. No. 229.
 278975. No. S-84. Soroti. Ear and grain medium size. I.P. No. 230.
 278976. No. S-85. Soroti. Ear and grain medium size; awns short. I.P. No. 231.
 278977. No. S-86. Soroti. Seed large; awns short. I.P. No. 232.
 278978. No. S-87. Soroti. Ear large; seed buff. I.P. No. 233.
 278979. No. S-88. Soroti. Ear small lump; grains bold. I.P. No. 234.
 278980. No. S-89. Soroti. Seeds large. I.P. No. 235.
 278981. No. S-90. Soroti. Ear and grain long. I.P. No. 236.
 278982. No. S-91. Soroti. Ear small. I.P. No. 237.
 278983. No. S-92. Soroti. Ear and grain medium size. I.P. No. 238.
 278984. No. S-93. Soroti. Plant semidwarf; ear medium size; seeds large. I.P. No. 239.
 278985. No. S-94. Soroti. Grain large; awn short. I.P. No. 240.
 278986. No. S-95. Soroti. Panicle loose; seed large. I.P. No. 241.
 278987. No. S-96. Soroti. Ear and grain large. I.P. No. 242.
 278988. No. S-97. Soroti. Heads small; glumes dark grey. I.P. No. 243.
 278989. No. S-98. Soroti. Ear thick, medium length; grain large. I.P. No. 244.

278863 to 279004—Continued**278969 to 279001—Continued**

278990. No. S-99. Soroti. Ear and seed small. I.P. No. 245.
 278991. No. S-100. Soroti. Seed large. I.P. No. 246.
 278992. No. S-106. Md. 48, Ex-Kanozaria. I.P. No. 252.
 278993. No. S-124. No. 1, Selection Masangu. I.P. No. 270.
 278994. No. S-125. No. 2, Variete Elite Feshi. I.P. No. 271.
 278995. No. S-126. No. 3, Population Synthetique Blanche. I.P. No. 272.
 278996. No. S-127. No. 4, Population Synthetique Forragore. I.P. No. 273.
 278997. No. S-128. No. 5, Reserve Genetique. I.P. No. 274.
 278998. No. S-129. No. 6, Variete 5096/1. I.P. No. 275.
 278999. No. S-130. No. 7, Variete Masangu. I.P. No. 276.
 279000. No. S-131. No. 8, Lignee Epuree MP 1/2/1. I.P. No. 227.
 279001. No. S-132. No. 9, Lignee Epuree S6 No. 375/1/1. I.P. No. 278.
279002. PENNISETUM VILLOSUM R. Br. **Feathertop.**
 No. S-109. I.P. No. 255.
279003. PENNISETUM sp.
 No. S-34. B-45. I.P. No. 156.
279004. PENNISETUM sp.
 No. S-113. Suda No. S. G. 507. Wild. I.P. No. 259.

279005 to 279008.

From Japan. Seeds presented by the National Horticultural Experiment Station, Hiratsuka, Kanagawaken. Received January 25, 1962.

Seeds collected in Takakuma Experimental Forest, Kagoshima University, Osumi Province. Elevation 500 meters.

279005. CAMELLIA JAPONICA L. Theaceae. **Common camellia.**
 279006. ILEX CRENATA Thunb. Aquifoliaceae. **Japanese holly.**
 279007. RHODODENDRON SATAENSE Nakai Ericaceae.
 279008. VACCINIUM BRACTEATUM Thunb. Vacciniaceae. **Oriental blueberry.**
279009. ALOPECURUS PRATENSIS L. Poaceae. **Meadow foxtail.**

From Czechoslovakia. Seeds presented by the Botanicka Zahrada University Komenskeho, Bratislava. Received Jan. 25, 1962.

No. 634.

279010 to 279013. TRIFOLIUM SUBTERRANEUM L. Fabaceae.
Subterranean clover.

From Australia. Seeds purchased from F. H. Brunning Proprietary Limited, Melbourne. Received Jan. 25, 1962.

279010. 'Bacchus Marsh'. Plants early flowering; seeds dull, very dark.
 279011. 'Clare'. Plants early flowering; seeds glossy, very dark.
 279012. 'Mt. Barker'. Plants midseason flowering; seeds dull, very dark.
 279013. 'Yarloop'. Plants early flowering; seeds dull, light tan.

279014 to 279038. ZEA MAYS L. Poaceae. Corn.

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received Jan. 25, 1962.

279014. No. 1. 'Perla Blanca', Saltodor Levantino race. From Segorbe (Castellon).
 279015. No. 35. 'Daxa de la Bela'. Daxa race. From Vergel (Alicante).
 279016. No. 45. Extremeno race. From Medellin (Badajoz).
 279017. No. 67. 'Babacho Blanco'. Hembrilla Levantino race. From Jerica (Castellon).
 279018. No. 83. 'Zaragozano'. Hembrilla race. From Calatayud (Zaragoza).
 279019. No. 88. 'Vinoso Rastrojero'. Hembrilla Rastrojero race. From Zaragoza.
 279020. No. 98. 'Blanco Carrurro'. Basto Sur race. From Benalup de Sidonia (Cadiz).
 279021. No. 103. 'Orotava 8'. Canario Hembrilla race. From La Orotava (Tenerife).
 279022. No. 107. 'Enano'. Canario Enano race. From Lanzarote.
 279023. No. 123. 'Rastrojero'. Vasco Enano Precoz race. From Pantevedra.
 279024. No. 124. Gallego race. From Parada del Sil (Orense).
 279025. No. 135. 'Rubio'. Asturiano race. From Freas de Eiras (Orense).
 279026. No. 184. 'Naranja'. Hembrilla Norte race. From Castaneda (Santander).
 279027. No. 200. Vasco race. From Azpeitia (Guipuzcoa).
 279028. No. 236. Norte Gordo race. From Sumbilla (Navarra).
 279029. No. 238. 'Amonquilina'. Hembrilla Levantino Precoz race. From Valencia.
 279030. No. 240. 'Panizo Amarillo'. Panizo Levantino race. From Valde-ganga (Albacete).
 279031. No. 257. Andaluz Precoz race. From Larchar (Granada).
 279032. No. 318. 'Fino'. Fino race. From Jerez de la Frontera (Cadiz).
 279033. No. 335. 'Morado Andaluz'. Sur Secano race. From Ecija (Sevilla).
 279034. No. 368. 'Millo de Regadio'. Canario Hembrilla Enano race. From La Corte Antigua (Fuenteventura).
 279035. No. 269. 'Millo de Secano'. Canario Fino race. From Asomada de Tetir, Puerto del Rosario (Fuenteventura).
 279036. No. 370. 'Marruecos'. Canario race. From Teror (Gran Canaria).
 279037. No. 379. 'Pejo de Cuna'. Norte Precoz race. From Lage (La Coruna).
 279038. No. 506. 'Queixalet'. Queixalet race. From Valencia.

279039. TELFAIRIA PEDATA (J.E. Smith) Hook. Cucurbitaceae.

From Rhodesia. Seeds presented by the United States Embassy, Salisbury. Received January 26, 1962.

279040 and 279041. VITIS VINIFERA L. Vitaceae.**European grape.**

From France. Budsticks presented by the Institut des Vins de Consommation Courante, Angers. Received January 29, 1962.

279040. 'Seibel 8355 Noir'.
 279041. 'Seibel 11701 Rose'.

279042. LITHOCARPUS HENRYI (Seemen) Rehd. & Wils. Fagaceae.

From Georgia. Tree growing at the United States Plant Introduction Station, Savannah. Received January 29, 1962.

279043. AVENA SATIVA L. Poaceae. **Common oats.**

From Great Britain. Seeds presented by the Cereal Breeding Department, Welsh Plant Breeding Station, near Aberystwyth, Wales. Received January 29, 1962.

'Manrod'. S 235. Spring type.

279044 to 279050. CYDONIA OBLONGA Mill. Malaceae. **Quince.**

From France. Rooted cuttings presented by the Station de Recherches de Viticulture, Angers. Received January 30, 1962.

279044. C. 21-L4.

279048. C. 98-4.

279045. C. 29-L1.

279049. C. 101.

279046. C. 85-1.

279050. C. 109-2.

279047. C. 96-8.

279051 to 279054. CARTHAMUS TINCTORIUS L. Asteraceae.

Safflower.

From India. Seeds presented by the Agricultural Research Station, Parbhani. Received January 30, 1962.

279051. Indian No. 246; U. California No. 61-20; iodine value 140; oil content 33.8 percent.

279052. Indian No. 456; U. California No. 61-21; iodine value 143; oil content 35.3 percent.

279053. Indian No. 535; U. California No. 61-18; iodine value 140; oil content 33.0 percent.

279054. Indian No. 537; U. California No. 61-19; iodine value 140; oil content 32.9 percent.

279055. PIERIS FLORIBUNDA (Pursh) Benth. & Hook. f. Ericaceae.

From Great Britain. Cuttings presented by the Sunningdale Nurseries, Windlesham, Surrey, England. Received January 30, 1962.

279056 and 279057. PYRACANTHA (hybrids). Malaceae.

From the Netherlands. Plants purchased from Vuyk Van Nes Nurseries, Boskoop. Received January 30, 1962.

279056. 'Golden Charmer'. *P. coccinea* × *P. crenulata*.

279057. 'Orange Charmer'. *P. coccinea* × *P. crenulata*.

279058 to 279070. VITIS VINIFERA L. Vitaceae. **European grape.**

From Italy. Budsticks presented by the Istituto di Patologia Vegetale Università, Milan. Received February 1, 1962.

279058. 'Belandiere' × 'Riparia-420'.

279059. 'Chasselas' × 'Berlandieri-41B'.

279060. 'Cortese'.

279061. 'Croattina'.

279062. 'Malvasia'.

279063. 'Moscato'.

279064. 'Pinot Noir'.

279058 to 279070—Continued

279065. 'Riesling Renano'.
 279066. 'Riesling Italico'.
 279067. 'Rupestris du Lot'.
 279068. 'Trebiano'.
 279069. 'Ughetta'.
 279070. 'Uva Rara'.

279071 and 279072. SACCHARUM (hybrids). Poaceae.**Sugarcane.**

From Peru. Cuttings presented by the United States Embassy, Lima. Received February 1, 1962.

279071. LA-511, grown at Laredo.
 279072. LA-52-604, grown at Laredo.

279073 and 279074. CORCHORUS CAPSULARIS L. Tiliaceae. Jute.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei. Received February 2, 1962.

279073. 'Huwei Green Bark 7'.
 279074. 'Shuishang Green Bark'.

279075 to 279080. CARTHAMUS TINCTORIUS L. Asteraceae.**Safflower.**

From Greece. Seeds collected and presented by Kenny McCorkle, University of California, Davis. Received February 2, 1962.

279075. No. 1. Kavalla road, 31 miles east of Salonica. Sept. 1961. Plants small, with three heads per plant; flowers yellow.
 279076. No. 2. South of Lake Iolvi, between Salonica and Kavalla. Sept. 1961. Plants yellowish brown with long stickers, to 24 inches high; flowers yellow.
 279077. No. 3. North of Athens, three miles from Philothei. Oct. 1961. Plants to 30 inches high; flowers yellow.
 279078. No. 4. Northern suburbs of Athens. Nov. 1961. Plants to 15 inches high; heads large; flowers yellow.
 279079. No. 5. Larissa road, 13 miles north of Lamia. Sept. 1961. Plant grey, to 18 inches high; flowers purple.
 279080. No. 6. Near Lake Iolvi, between Salonica and Kavalla. Sept. 1961. Plant large, about 18 inches high with long thorns; flowers purple.

279081. GLYCINE MAX (L.) Merrill Fabaceae. Soybean.

From South Africa. Seeds presented by the R. W. Gunson Seeds Limited, London, England. Received February 2, 1962.

'Masterpiece'. Developed in South Africa. High yielding for both hay and seed; non-shattering, pods high; for mechanical harvesting.

279082 to 279116.

From Tanganyika. Seeds presented by the Southern Regional Research Centre, Nachingwea. Received February 2, 1962.

279082 to 279115. GLYCINE MAX (L.) Merrill Fabaceae. Soybean.

	<i>Nachingwea No.</i>	<i>Designation</i>	<i>Source</i>
279082.	I-1-50	'Hernon 237'.	S. Rhodesia.
279083.	I-2-50	MIS28EB 3109.	Indonesia.

279082 to 279116—Continued**279082 to 279115—Continued**

	<i>Nachtingwea No.</i>	<i>Designation</i>	<i>Source</i>
279084.	I-3-50.	'Benares'.	Nigeria.
279085.	1-4-50.	'Malaya'.	Nigeria.
279086.	I-2-52.	CNS.	U.S.A.
279087.	I-3-52.	R184.	Unknown.
279088.	I-4-52.	'Light Speckled'.	Unknown.
279089.	I-5-52.	'Glycine Ruggett'.	Indonesia.
279090.	I-6-52.	S14.	Congo or W. Africa.
279091.	I-7-52.	S3.	Congo or W. Africa.
279092.	I-1-57.	'Toro'.	Uganda.
279093.	I-5-57.	'Soya 16'.	Philippines.
279094.	I-6-57.	H29.	Uganda.
279095.	I-7-57.	'Soya 29'.	Philippines.
279096.	I-8-57.	'Venezuela'.	Venezuela.
279097.	I-1-58.	'Yellow P'.	Ceylon.
279098.	I-11-58.	'Soya Noin'.	French Guinea.
279099.	I-24-58.	C1.	Malaya.
279100.	I-25-58.	C2.	Malaya.
279101.	I-33-58.	C21.	Malaya.
279102.	I-34-58.	C28.	Malaya.
279103.	I-36-58.	D5.	Malaya.
279104.	I-37-58.	D7.	Malaya.
279105.	I-38-58.	E1.	Malaya.
279106.	I-39-58.	E3.	Malaya.
279107.	I-40-58.	H2.	Malaya.
279109.	1-42-58.	L1.	Malaya.
279108.	I-41-58.	M1.	Malaya.
279110.	I-43-58.	O3.	Malaya.
279111.	I-44-58.	P2.	Malaya.
279112.	I-45-58.	P3.	Malaya.
279113.	I-46-58.	P4.	Malaya.
279114.	I-47-58.	R4.	Malaya.
279115.	I-48-58.	R6.	Malaya.

279116. GLYCINE JAVANICA L.

Grown as ground cover in sisal plantation in Tanga Province.

279117 and 279118. LILIUM NEPALENSE D. Don Liliaceae. Lily.

From India. Seeds and bulbs presented by the United States Embassy, New Delhi. Received February 2, 1962.

279117. Nepal.

279118. Nepal.

279119 to 279174. ORYZA SATIVA L. Poaceae.**Rice.**

From the United States. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received February 5, 1962.

279119. 'Ban-tien-tze'.	279147. 'Mean-don-tsi'.
279120. 'Bir-co'.	279148. 'Mean-down'.
279121. 'Bir-co-chin-yu'.	279149. 'Niao-yao'.
279122. 'Bir-co-yuan-li'.	279150. 'Nung Yu 1830'.
279123. 'Bir-gou-tze'.	279151. 'Shun-gan'.
279124. 'Chu-tze'.	279152. 'Siam'.
279125. 'Chia-nung Yu 439'.	279153. 'Taichung Pai-co'.
279126. 'Chin-gou-tsan'.	279154. 'Taichung Woo-gen 2'.
279127. 'Chuan-lu'.	279155. 'Taipei 301'.
279128. 'Chung-lin-chun'.	279156. 'Tainan (Upland) 1'.
279129. 'Dan-kwang-hwa-loo'.	279157. 'Tainan (Upland) 2'.
279130. 'Dee-geo-mean-don'.	279158. 'Tainan Ta-bir'.
279131. 'Dee-geo-woo-ten'.	279159. 'Taipei Liu-tou-tze'.
279132. 'Guze'.	279160. 'Tainung 38'.
279133. 'Hsinchu 4'.	279161. 'Taitung (Upland) 160'.
279134. 'Hsinchu 51'.	279162. 'Taitung (Upland) 286'.
279135. 'Hsinchu 52'.	279163. 'Taitung (Upland) 314'.
279136. 'Hsinchu 54'.	279164. 'Taitung (Upland) 328'.
279137. 'Hsinchu 55'.	279165. 'Taitung (Upland) 332'.
279138. 'Hwa-loo'.	279166. 'Taitung Woo-li'.
279139. 'I-kung-pao'.	279167. 'Taitung Woo-tsan'.
279140. 'Kao-geo Liu-chow'.	279168. 'Tien-lie'.
279141. 'Kaohsiung Ta-li-chin-yu'.	279169. 'Tsai-yuan-thon'.
279142. 'Kaohsiung 18'.	279170. 'TWA 2-2'.
279143. 'Kwai-tsan'.	279171. 'Woo-co-chin-yu'.
279144. 'Lin-sun-chin-tsan'.	279172. 'Woo-gen'.
279145. 'Liu-chow'.	279173. 'Woo-li'.
279146. 'Man-tze'.	279174. 'Ya-lun'.

279175. PENNISETUM (hybrid). Poaceae.

From China. Cuttings presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received February 6, 1962.

(*Pennisetum purpureum* × *P. typhoides*).

279176. URGINEA MARITIMA (L.) Baker Liliaceae. Sea-onion.

From the United States. Seeds presented by the Boyce Thompson Southwestern Arboretum, Superior, Ariz. Received February 6, 1962.

279177 to 279179.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received February 6, 1962.

279177. CORCHORUS ORINOCENSIS HBK. Tiliaceae.

Col. No. 19438. In thorn forest; clay soil, 4 miles east of Navajoa, road to Alamos, Sonora. Plant wild summer annual; flowers yellow.

279177 to 279179—Continued

279178. *CROTALARIA INCANA* L. Fabaceae.

Col. No. 19590. Roadside, short tree forest. Twelve miles east of Culiacan, Sinaloa. Tree small, in wild; pods black, along branches.

279179. *CROTALARIA LONGIROSTRATA* Hook. & Arn.

Col. No. 19449. Short tree forest, Sanalona, Sinaloa. Wild, summer annual to 4 feet high; flowers yellow.

279180. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae.
Leadtree.

From India. Seeds collected by Jack R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 6, 1962.

Col. No. 1419. From the Agronomy Division, Indian Agricultural Research Institute, Dharwar.

279181 and 279182.

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Bureau of Plant Industry, Manila. Received Feb. 6, 1962.

279181. *CORCHORUS CAPSULARIS* L. Tiliaceae. **Jute.**

Selection No. 4. Var. Hal No. 4. Stalk purple.

279182. *CORCHORUS OLITORIUS* L. **Jute.**

Selection No. 72. Var. F 2-5 (R). Stalk red.

279183 and 279184.

From India. Seeds presented by the Sugarcane Breeding Institute, Coimbatore. Received Feb. 6, 1962.

279183. *NARENKA PORPHYROCOMA* (Hance) Bor Poaceae.

Selfed seeds.

279184. *SCLEROSTACHYA FUSCA* (Roxb.) A. Camus Poaceae.

279185. *ENCHYLAENA TOMENTOSA* R. Br. Chenopodiaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Feb. 6, 1962.

No. V. 196. Collected at Merbein, Victoria.

279186 and 279187. *TRITICUM AESTIVUM* L. Poaceae.
Common wheat.

From Australia. Seeds presented by Faculty of Agriculture, University of Sydney, Sydney. Received Feb. 6, 1962.

279186. 'Aotea 2462'. Abd 61, 966.

279187. 'Arawa 2461'. Abd 61, 965.

279188 and 279189. *CAMELLIA JAPONICA* L. Theaceae.
Common camellia.

From Japan. Seeds presented by the Iwaizumi Forestry Office, Iwaizumi, Iwate Prefecture. Received Feb. 6, 1962.

279188. No. 1.

279189. No. 2.

279190 to 279207. ZEA MAYS L. Poaceae. Corn.

From Colombia. Seeds presented by the Rockefeller Foundation, Medellin, to the United States Vegetable Breeding Laboratory, Charleston, S.C. Numbered Feb. 6, 1962.

P.I. No. followed by Foundation No., and source.

279190.	BOV. 305. Bolivia.	279199.	ECU. 434. Ecuador.
279191.	BOV. 311. Bolivia.	279200.	ECU. 465. Ecuador.
279192.	BOV. 360. Bolivia.	279201.	ECU. 578. Ecuador.
279193.	BOV. 466. Bolivia.	279202.	ECU. 598. Ecuador.
279194.	BOV. 783. Bolivia.	279203.	ECU. 697. Ecuador.
279195.	BOV. 865. Bolivia.	279204.	PER. 387. Peru.
279196.	BOV. 1112. Bolivia.	279205.	PER. 1017. Peru.
279197.	CHI. 454. Chile.	279206.	PER. 1040. Peru.
279198.	ECU. 387. Ecuador.	279207.	Sweet corn, improved 'Medellin' M 61 B.

279208. RUBUS IDAEUS var. STRIGOSUS Maxim. Rosaceae. Common red raspberry.

From Great Britain. Plants presented by the East Malling Research Station, East Malling, Kent, England. Received Feb. 6, 1962.

'Baumforth Seedling A'.

279209 to 279218.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, Hampshire, England. Received Feb. 7, 1962.

279209.	CARYOPTERIS × CLANDONENSIS A. Simmonds	Verbenaceae.
279210.	CARYOPTERIS INCANA (Thunb.) Miquel.	Common bluebeard.
279211.	CARYOPTERIS sp.	
	'Heavenly Blue'.	
279212.	HOHERIA sp. Malvaceae.	
	'Glory of Amlwch'.	
279213.	PIERIS FLORIBUNDA (Pursh) Benth. & Hook. f.	Ericaceae.
	'Grandiflora'.	
279214.	VIBURNUM ERUBESCENS var. GRACILIPES Rehder	Caprifoliaceae.
279215.	VIBURNUM GRANDIFLORUM Wall.	
279216.	VIBURNUM × HILLERI Stearn	
	'Winton'.	
279217.	VIBURNUM HUPEHENSE Rehder	Hupeh viburnum.
279218.	VIBURNUM (hybrid).	
	'Park Farm Hybrid'.	

279219 to 279228.

From the Philippines. Seeds presented by the Department of Agricultural and Natural Resources, Manila. Received Feb. 7, 1962.

279219.	CITRUS RETICULATA Blanco	Rutaceae.	Mandarin orange.
279219.	'Ladu'.	279223.	'Szin-cal No. 9'.
279220.	'Sunwui Kom'.	279224.	'Szinikom'.
279221.	'Szinbat No. 2'.	279225.	'Szwui Kom'.
279222.	'Szinbat No. 16'.	279226.	'Tizon'.

279219 to 279228—Continued

279227. CITRUS (hybrid).

Received as *C. microcarpa*, calamondin.

279228. CITRUS (hybrid).

'Ladu-batangas No. 9'.

279229 and 279230. VITIS VINIFERA L. Vitaceae.**European grape.**

From Portugal. Cuttings presented by the United States Embassy, Lisbon. Received Feb. 8, 1962.

279229. 'Serical' (Received as Cercial-1217).

279230. 'Terrantes' (Received as Verrantez-1223).

279231 and 279232.

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 8, 1962.

279231. PHYSALIS NICANDROIDES Schlecht. Solanaceae. **Groundcherry.**

Col. No. 19521. Roadside Jalisco, Nayarit. Plant annual, in wild to 1.5 meters high; stem single; crown broad, spreading to 2 meters; heavy bearer.

279232. PHYSALIS sp.

Col. No. 19546. Southern city limits of Guadalajara, highway to Jalisco. Plant annual, in wild; flowers pale lavender; seeds prolific, interminately, older capsules dehisce.

279233 to 279239. COFFEA ARABICA L. Rubiaceae.**Arabian coffee.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 8, 1962.

279233. Col. No. 7817. Seven km. northeast of Jimma, Addis Ababa road, Kaffa Province. December 1961.

279234. Col. No. 7836. Fifteen km. north of Bonga, Jimma road, Kaffa Province. December 1961.

279235. Col. No. 7846. In rain forest across Dentcha River from Sudan Interior Mission Station, Bonga, Kaffa Province. December 1961. Shrub to 4.5 meters high; stems of some specimens 100 mm. in diameter at ground level.

279236. Col. No. 7850. Forest near Siemens Coffee Mill, 10 km. west of the Sudan Interior Mission, Bonga, Kaffa Province. December 1961.

279237. Col. No. 8001. Seven km. northwest of Tippi airstrip, Illubabor Province. January 1962.

279238. Col. No. 8013. Beside trail, between Tippi and the Baco River, Illubabor Province. Elevation 1,200 meters. January 1962. Tree in wild, 4.5 meters high.

279239. Col. No. 8097. Southeast of Walkitte, Shoa Province. January 1962. Fruit 16 mm. long by 15 mm. wide, rounded or slightly flattened, blunt on the ends.

279240 to 279317.

From Great Britain. Tubers presented by the Department of Botany, University of Birmingham, Birmingham, England. Received February 8, 1962.

279240 to 279247. SOLANUM BRACHISTOTRICHUM (Bitter) Rydb. Solanaceae.

279240. No. 1234. R 278-2.

279241. No. 1234. H 278-3.

279240 to 279317—Continued**279240 to 279247—Continued**

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| 279242. No. 1234. H 278-4. | 279245. No. 1317. H 283-1. |
| 279243. No. 1234. H 278-5. | 279246. No. 1471. H 284-1. |
| 279244. No. 1287. H 281-1. | 279247. No. 1471. H 284-4. |

279248 to 279261. SOLANUM BULBOCASTANUM Dun.

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| 279248. No. 1565. H 213-1. | 279255. No. 1717. H 232-5. |
| 279249. No. 1565. H 213-2. | 279256. No. 1922. H 237-1. |
| 279250. No. 1617. H 230-1. | 279257. No. 1938. H 238-1. |
| 279251. No. 1617. H 230-2. | 279258. No. 1938. H 238-2. |
| 279252. No. 1617. H 230-3. | 279259. No. 1938. H 238-3. |
| 279253. No. 1717. H 232-2. | 279260. No. 1938. H 238-5. |
| 279254. No. 1717. H 232-4. | 279261. No. 1943. H 239-4. |

279262 to 279266. SOLANUM BULBOCASTANUM var. DOLICHOPHYLLUM Bitt.

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| 279262. No. 1628. H 240-3. | 279265. No. 1637. H 242-1. |
| 279263. No. 1632. H 241-2. | 279266. No. 1637. H 242-4. |
| 279264. No. 1632. H 241-3. | |

279267 to 279271. SOLANUM CARDIOPHYLLUM ssp. LANCEOLATUM Bitt.

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| 279267. No. 1640. H 259-1. | 279270. No. 1729. H 260-2. |
| 279268. No. 1640. H 259-2. | 279271. No. 1729. H 260-3. |
| 279269. No. 1729. H 260-1. | |

279272 to 279277. SOLANUM EHRENBERGII Rydb.

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| 279272. No. 1458. H 265-2. | 279275. No. 1462. H 267-2. |
| 279273. No. 1458. H 265-4. | 279276. No. 1462. H 267-3. |
| 279274. No. 1462. H 267-1. | 279277. No. 1462. H 267-4. |

279278 and 279279. SOLANUM JAMESII Torr.

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| 279278. No. 1152. H 286-1. |
| 279279. No. 1517. H 293-3. |

279280 to 279284. SOLANUM POLYTRICHON Rydb.

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| 279280. No. 1465. H 387-1. | 279283. No. 1465. H 387-5. |
| 279281. No. 1465. H 387-3. | 279284. No. 1465. H 387-7. |
| 279282. No. 1465. H 387-4. | |

279285 to 279292. SOLANUM TUBEROSUM L.**Potato.**

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| 279285. No. 1303. H 412. | 279289. No. 1858. H 422. |
| 279286. No. 1550. H 416. | 279290. No. 1860. H 423. |
| 279287. No. 1670. H 419. | 279291. No. 1861. H 424. |
| 279288. No. 1787. H 420. | 279292. No. 1874. H 425. |

279293 to 279296. SOLANUM VALLIS-MEXICAE Juz.

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| 279293. No. 1672. H 406-1. | 279295. No. 1672. H 406-3. |
| 279294. No. 1672. H 406-2. | 279296. No. 1672. H 406-4. |

279297 to 279301. SOLANUM VERRUCOSUM Schlecht.

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| 279297. No. 1375. H 336-1. | 279300. No. 1545. H 344-5. |
| 279298. No. 1375. H 336/1. | 279301. No. 1545. H 344-6. |
| 279299. No. 1375. H 336/2. | |

279240 to 279317—Continued

279302. SOLANUM sp.

No. 1714. H 315/4. May be a new species.

279303. SOLANUM sp.

No. 1443. H 272/1. May be *S. ehrenbergii*.

279304. SOLANUM sp.

No. 1443. H 272/2. May be *S. ehrenbergii*.

279305. SOLANUM sp.

No. 1443. H 272/3. May be *S. ehrenbergii*.

279306. SOLANUM sp.

No. 1473. H 378-1. May be *S. papita*.

279307. SOLANUM sp.

No. 1473. H 378-2. May be *S. papita*.

279308. SOLANUM sp.

No. 1468. H 390-2. May be *S. polytrichon*.

279309. SOLANUM sp.

No. 1468. H 390-3. May be *S. polytrichon*.

279310. SOLANUM sp.

No. 1468. H 390-4. May be *S. polytrichon*.

279311. SOLANUM sp.

No. 1468. H 390-5. May be *S. polytrichon*.

279312. SOLANUM sp.

No. 1580. H 404-3. May be *S. stoloniferum*.

279313. SOLANUM sp.

No. 1677. H 408-1. May be *S. vallis-mexicae*.

279314. SOLANUM sp.

No. 1677. H 408-3. May be *S. vallis-mexicae*.

279315. SOLANUM sp.

No. 1345. H 348-2. May be *S. verrucosum*.

279316. SOLANUM sp.

No. 1350. H 349-2. May be *S. verrucosum*.

279317. SOLANUM sp.

No. 1350. H 349-3. May be *S. verrucosum*.

279318 and 279319.

From the Sudan. Seeds presented by the Cotton Breeding Station, Shambat. Khartoum. Received Feb. 12, 1962.

279318. GOSSYPIOIDES BREVILANATUM Hoch. Malvaceae.

279319. THESPESIA DANIS Oliver Malvaceae.

279320 to 279341.

From France. Scions presented by the Station de Recherches de Viticulture, Angers. Received Feb. 13, 1962.

279320 to 279326. MALUS SYLVESTRIS Mill. Malaceae.

279320. 'Allen's Everlasting' × 1275.

279321. 'D'Arcy Spice' × 1304.

279320 to 279341—Continued**279320 to 279326—Continued**

279322. 'Margil' × 1330.
 279323. 'Pitmaston Pineapple' × 692.
 279324. 'Reinette d'Orleans' × 1345.
 279325. 'Reine des Reinettes' × 82.
 279326. 'Reine des Reinettes' × 1700.

279327 to 279341. PYRUS COMMUNIS L. Malaceae.

279327. 'Baronne Leroy' P. 969.
 279328. 'Bergamotte Tardive de Ganzel' P. 979.
 279329. 'Beurre Henri Courcelle' P. 1190.
 279330. 'Beurre Perrault' P. 138.
 279331. 'Butirra Precoce Morettini' P. 850.
 279332. 'Butirra Roma Pirovano' P. 1274.
 279333. 'Des Urbanistes' P. 716.
 279334. 'Epargne' P. 209.
 279335. 'Esperen's Herrepaere' P. 876.
 279336. 'Itala Pirovano' P. 1263.
 279337. 'Passe Crassane Sanguine' P. 1459.
 279338. 'Precoce de Trevoux' P. 124.
 279339. 'President Drouard' P. 97.
 279340. 'Wilder' P. 116.
 279341. 'Williams Precoce Morettini' P. 1360.

279342 to 279345. CARTHAMUS TINCTORIUS L. Asteraceae.**Safflower.**

From Japan. Seeds presented by the Yamagata University, Tsuruoka. Received Feb. 13, 1962.

279342. Yamagata Sel. 1. 279344. Yamagata Sel. 3.
 279343. Yamagata Sel. 2. 279345. Yamagata Sel. 4.

279346. CRAMBE HISPANICA L. Brassicaceae.

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 13, 1962.

Col. No. 7979. Among cultivated coffee, Jimma Agricultural Farm, Kaffa Prov.

279347 to 279350. VITIS VINIFERA L. Vitaceae. European grape.

From Italy. Cuttings presented by the Istituto di Frutticoltura e di Eletrogenetica, Rome. Received Feb. 13, 1962.

279347. 'Corniola di Milazzo' (Gallura Zeni).
 279348. 'Dalmasso VI'.
 279349. 'Moscato Del Adda'.
 279350. 'Olivetta Nera Pulliat'.

279351. FRAGARIA ORIENTALIS A. Los. Rosaceae.

From Great Britain. Seeds presented by the John Innes Institute, Bayfordbury, Hertford, England. Received Feb. 14, 1962.

279352 to 279356. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Japan. Tubers presented by the Shimamatsu Potato Breeding Laboratory, Hokkaido National Agricultural Experiment Station, Eniwa, Hokkaido. Received Feb. 15, 1962.

Haploid ($2n=24$).

279352. 'Hochprozentige', JSH-6.

279353. 'Merkur', JSH-10.

279354. 'Norin No. 1', JSH-1.

279355. 'Rural New Yorker No. 2', JSH-11.

279356. 'Tuno', JSH-12.

279357 to 279363. HORDEUM VULGARE L. Poaceae.

From Great Britain. Seeds presented by the Plant Breeding Institute Trumpington, Cambridge, England. Received Feb. 15, 1962.

279357. HB. 196/10/5.

279361. 'Proctor'.

279358. HB. 281/6/5/9.

279362. 'Swallow'.

279359. 'Maythorpe'.

279363. 'Union'.

279360. 'Plumage Archer'.

279364. MEDICAGO HEMICYCLA Grossh. Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Feb. 15, 1962.

C.P.I. 23872.

279365. ZIZYPHUS MAURITIANA Lam. Rhamnaceae.

Indian jujube.

From Burma. Seeds presented by the United States Embassy, Rangoon. Received from Mandalay Feb. 15, 1962.

279366 to 279373.

From the United States. Selections made from previous accessions at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Feb. 16, 1962.

279366. CUCUMIS MELO var. FLEXUOSUS (L.) Naud. Cucurbitaceae.

Snake melon.

Selection from P.I. 175111, from India. Plants medium vigor and maturity; fruits seven to 18 inches long, 3 to 5 inches diameter, oblong, yellow, ribbed, not netted; flesh cream colored, poor quality. Resistant to mosaic, downy mildew, macrosporium.

279367. CUCUMIS MELO var. RETICULATUS Naud.

Netted melon.

Selection from P.I. 179676, from India. Plants very vigorous, early maturing; fruits to 7 by 7 inches, round or nearly so, yellow ribbed, netted; flesh orange, fair quality. Resistant to downy mildew, susceptible to macrosporium leafspot and powdery mildew, very susceptible to mosaic and bacterial wilt.

279368 to 279372. LYCOPERSICON ESCULENTUM var. CERASIFORME (Dun.) A. Gray Solanaceae.

Tomato.

279368. Selection from P.I. 195325, from Guatemala. Plants very vigorous, semi-erect to erect; fruits late maturing, globose, 0.75 to 1.25 by 0.75 to 1.5 inches, two-lobed; flesh red. Susceptible to fusarium wilt, stemphylium, early blight and mosaic; resistant to anthracnose.

279366 to 279373—Continued**279368 to 279372—Continued**

279369. Selection from P.I. 109113, from Turkey. Plants vigorous; fruits 10 per cluster, early maturing, globose, one inch in diameter, two-loculed. Susceptible to fusarium wilt, early blight and stemphylium; resistant to anthracnose and mosaic.

279370. Selection from P.I. 140415, from Iran. Plants vigorous, semi-erect; fruits 3 to 6 per cluster, midseason, 1.5 inches globe, three-loculed; flesh red. Susceptible to fusarium wilt, early blight, stemphylium and mosaic; resistant to anthracnose.

279371. Selection from P.I. 185685, from Guatemala. Plants vigorous, semi-erect; fruit midseason, 1 per cluster, globe 1.5 inch diameter, two-loculed; flesh red. Susceptible to fusarium wilt, early blight, stemphylium and mosaic. Resistant to anthracnose.

279372. Selection from P.I. 195323, from Guatemala. Plants very vigorous, semi-erect; fruits 5 to 7 per cluster, early 0.75 inch globe, three to four-loculed; flesh red. Susceptible to fusarium wilt, early blight, stemphylium and mosaic; resistant to anthracnose.

279373. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill. Currant tomato.

Selection from P.I. 195325, from Guatemala. Plants vigorous, semi-erect; fruits 2 to 6 per cluster, late maturing 0.75 globe, two-loculed; flesh red. Susceptible to early blight and mosaic; resistant to fusarium wilt, stemphylium and anthracnose.

279374. POPULUS (hybrid). Salicaceae.

From Italy. Cuttings presented by the Unione Fiammiferi Spa-Rutignano, Pisano. Received Feb. 19, 1962.

Clone I 488.

279375. ORYZA SATIVA L. Poaceae.**Rice.**

From France. Seeds presented by the Station de Selection de Plantes de Grande Culture, Coulommiers. Received Feb. 19, 1962.

'Carola'.

279376 to 279382.

From Great Britain. Plants purchased from the Richmond Nurseries, Windlesham, Surrey, England. Received Feb. 19, 1962.

279376. MAGNOLIA GRANDIFLORA f. LANCEOLATA (Ait.) Rehder Magnoliaceae.

Received as *M. grandiflora exoniensis*.

279377. MAGNOLIA MOLLICOMATA W. W. Sm.

279378. MAGNOLIA SIEBOLDII K. Koch

Oyama magnolia.

279379. MAGNOLIA WILSONII (Finet & Gagn.) Rehder

Wilson magnolia.

279380. PYRACANTHA CRENULATA var. ROGERSIANA A. B. Jackson Malaceae.

279381. VIBURNUM MACROCEPHALUM Fortune Caprifoliaceae.

Chinese viburnum.

279382. VIBURNUM sp.

'Anne Russell'.

279383. VITIS VINIFERA L. Vitaceae.**European grape.**

From Italy. Cuttings presented by the Instituto di Frutticoltura e di Eletrogenetica, Rome. Received Feb. 20, 1962.

'Manzoni 3-25' (Augusta).

279384 to 279389.

From Great Britain. Plants purchased from R. C. Notcutt, Limited, Woodbridge, Suffolk, England. Received Feb. 21, 1962.

279384. *MAGNOLIA WILSONII* (Finet & Gagn.) Rehder Magnoliaceae.
Wilson magnolia.

279385. *PIERIS FORRESTII* Harrow ex W. W. Smith Ericaceae.

279386 and 279387. *VIBURNUM* × *BODNANTENSE* Aberconway Caprifoliaceae.

279386. No data.

279387. 'Deben'.

279388. *VIBURNUM OPULUS* L. European cranberry bush.
'Notcutt'.

279389. *VIBURNUM TINUS* L. Laurustinus.
'Clyde Castle'.

279390. JARILLA CHOCOLA Standley Caricaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 21, 1962. Col. No. 19351. San Bernardo, Sonora. Summer 1961.

279391 and 279392.

From Italy. Cuttings and scions presented by Arturo Ansaloni, Bologna. Received Feb. 23, 1962.

279391. *VITIS VINIFERA* L. Vitaceae. European grape.
'Formosa' (Pirovano 245).

279392. *ULMUS PUMILA* L. Ulmaceae. Chinese elm.
'Siber-Ansalon'.

279393 to 279401.

From Great Britain. Plants purchased from George Jackman & Son, Woking, Surrey, England. Received Feb. 27, 1962.

279393. *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds Verbenaceae.
'Kew Blue'.

279394. *CLEMATIS ARMANDI* Franch. Ranunculaceae. Armand clematis.
'Snowdrift'.

279395. *CLEMATIS TEXENSIS* Buckl.
'Countess of Onslow'.

279396. *HIBISCUS* sp. Malvaceae.
'Mauve Queen'.

279397. *HIBISCUS* sp.

279398. *HIBISCUS* sp.

279399. *HOHERIA GLABRATA* Sprague & Summerhayes Malvaceae.

279400. *VIBURNUM* × *BODNANTENSE* Aberconway Caprifoliaceae.
'Dawn'.

279401. *VIBURNUM PLICATUM* Thunb. Japanese snowball.
'Lanarth'.

279402 and 279403. PIERIS JAPONICA (Thunb.) G. Don Ericaceae.

From Canada. Plants presented by Alpenglow Gardens, North Surrey, British Columbia. Received Feb. 28, 1962.

279402. 'Pygmaea'.

279403. 'Yakushimarum'.

279404. MANGIFERA INDICA L. Anacardiaceae. Mango.

From the Federation of Rhodesia and Nyasaland. Seeds presented by the Consulate General, Salisbury. Received March 1, 1962.

279405 to 279409. RHODODENDRON (hybrids). Ericaceae.**Azalea.**

From the United States. Plants developed by J. L. Creech, tested, and distributed from the United States Plant Introduction Station, Glenn Dale, Md. Numbered March 5, 1962.

279405. 'Bayou'. Plant spreading; leaves narrow-elliptic, slightly hairy, dark green; flowers 2.5 inches diameter, single, with occasional petaloid stamens, white, with occasional flakes and stripes.

279406. 'Green Mist'. Plant upright, spreading; leaves glossy, narrow-elliptic, glabrous; flowers 2.5 inches diameter, semidouble, white, with greenish blotch, texture heavy.

279407. 'Petite'. Plant broad, spreading; leaves narrow-elliptic, glabrous, dark green, medium size; flower 3 inches diameter, single, mallow purple; petals roundish, margins wavy, overlapping.

279408. 'Pink Ice'. Plant broad, spreading; leaves large, obovate, dull green, glabrous; flowers three inches diameter, double, mallow purple, occasional purple flakes; margins smooth; texture crisp.

279409. 'Whitehouse'. Plant broad, spreading; leaves large, obovate, dull green, slightly hairy; flowers 3.75 inches diameter, single, white; petals roundish, overlapping, margins somewhat wavy.

279410 to 279446. ZEA MAYS L. Poaceae. Corn.

From Chile. Seeds presented by the Departamento Investigacion Agricola, Santiago. Received March 3, 1962.

Originally from Estacion Experimental, "La Platina", Santiago.

279410. Z 9. Minnesota. Peralillo.

279411. Z 14. De Rulo. Pumanque.

279412. Z 29. Ligero. Mincha.

279413. Z 38. Anasquino. Putaendo.

279414. Z 45. Maizon. Putaendo.

279415. Z 60. Bulle. Pichidegua.

279516. Z 67. Amarillo. Sta. Cruz.

279417. Z 68. Amarillo. Chepica.

279418. Z 70. Amarillo. Pichidegua.

279419. Z 72. Minnesota. Peumo.

279420. Z 90. Amarillo Grande. Quilpue.

279421. Z 102. Choclero. Colina.

279422. Z 152. Chinoco.

279423. Z 153. Camelia.

279424. Z 195. Hibrido. San Carlos.

279425. Z 208. Parral.

279410 to 279446—Continued

279426. Z 223. Minnesota. Villa Alegre, Linares.
 279427. Z 226. Amarillo Grande. Talca.
 279428. Z 241. Minnesota. Buin.
 279429. Z 254. Polvora Amarillo. La Florida, Colombia.
 279430. Z 257. Camelia. El Monte.
 279431. Z 260. Minnesota. El Marco.
 279432. Z 272. Minnesota. Melipilla.
 279433. Z 274. Choclero. Melipilla.
 279434. Z 284. De Rulo. Alhue.
 279435. Z 291. Alhue.
 279436. Z 294. Alhue.
 279437. Z 298. Amarillo. Alhue.
 279438. Z 300. Erisota. Alhue.
 279439. Z 301. Sgrio. Alhue.
 279440. Z 305. Camelia. Alhue.
 279441. Z 322. Choclero. Penaflor.
 279442. Z 327. Minnesota. Penaflor.
 279443. Aculeano. Hospital.
 279444. 4193. Hibrido comercial, Santiago.
 279445. Hibrifen Stgo. No. 2, Santiago.
 279446. Hibrifen Chillan No. 2, Santiago.

279447. MALUS SYLVESTRIS Mill. Malaceae.

From France. Scions presented by the Station de Recherches d'Arboriculture et d'Oenologie, Belle-Beille, Angers. Received Mar. 2, 1962.

'Ingrid Marie'.

279448. POPULUS DELTOIDES Marsh. Salicaceae.

Southern cottonwood.

From Belgium. Cuttings presented by the Institut of Populiculture, Grammont. Received Mar. 6, 1962.

279449 to 279454.

From Great Britain. Seeds presented by Gartons Limited, Warrington, England. Received Mar. 7, 1962.

279449 and 279450. AVENA SATIVA L. Poaceae. **Common oats.**

279449. 'Max'.

279450. 'Supreme'. Seeds dark brown.

279451 to 279454. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**

279451. 'Atle'. **279453. 'Koga II'.**

279452. 'Jufy I'. **279454. 'Ritchie'.**

279455 to 279469.

From Japan. Seeds presented by the Japanese Seed Grower's Cooperatives, Tokyo. Received Mar. 7, 1962.

279455 to 279462. CITRULLUS LANATUS (Thunb.) Mansf. **Curcubitaceae.**
Watermelon.

Seeds small, dark.

279455. 'Shinmiyako', Strain I.

279455 to 279469—Continued**279455 to 279462—Continued**

279456. 'Shinmiyako', Strain II.

279457. 'Shinmiyako', Strain III.

279458. 'Shinyamoto', Strain II.

279459. 'Shinyamoto', Strain III.

279460. 'Yamato-cream', Strain I.

279461. 'Yamato-cream', Strain II.

279462. 'Yamato-cream', Strain III.

279463 to 279469. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.279463. 'Chojitsu-ochiai'. F₁ Hybrid.

279464. 'Kaga Aonaga-fushinari'.

279465. 'Natsu-fushinari'.

279466. 'Ochiai-fushinari', Strain I.

279467. 'Ochiai-fushinari', Strain II.

279468. 'Ochiai-fushinari', Improved Strain II.

279469. 'Sagami-hanjiro'.

279470. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Mar. 8, 1962.

No. 5119. 'Gruntovaja Gribovskaja'. From Moscow region.

279471 to 279473.

From Iran. Seeds presented by the United States Embassy, Tehran. Received Mar. 8, 1962.

279471 and 279472. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

279471. 'Kharbuze Variety 1'.

279472. 'Kharbuze Variety 2'.

279473. PISTACIA VERA L. Anacardiaceae. Pistachio.**279474. CAPSICUM sp. Solanaceae.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Mar. 8, 1962.

Creeping perennial chili I.C. 8783.

279475. PHASEOLUS MUNGO L. Fabaceae. Urd.

From the Republic of the Congo. Seeds presented by the United States Embassy, Leopoldville. Received Mar. 8, 1962.

Originally from Angola.

279476 to 279478. CAJANUS CAJAN (L.) Millsp. Fabaceae.**Pigeonpea.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Mar. 8, 1962.

279476. E.B. 38.

279477. N.P. 69.

279478. N.P. (W. R.) 15.

279479 to 279481. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Israel. Seeds presented by the Ministry of Agriculture, Rehovoth. Received Mar. 8, 1962.

279479. 'Senegal 48-7'.

279480. 'Senegal 48-21'.

279481. 'Senegal 48-44'.

279482 to 279486.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Mar. 8, 1962.

279482. CERATOTHECA TRILOBA E. Mey. ex Bernh. Pedaliaceae.

279483. ROGERIA LONGIFLORA J. Gay Pedaliaceae.

Leistner & Joynt 2807. Plant erect annual growing in coarse red sand between rocks, 9 miles northeast of Kakamas, Cape Province. Elevation 2,500 feet.

279484. ASPARAGUS LARICINUS Burchell Convallariaceae.

B. de Winter 7679. From Ventersdorp District, Transvaal.

279485. ASPARAGUS PLUMOSUS Baker **Fern asparagus.**

B. de Winter 7680. From Pretoria garden.

279486. ASPARAGUS VIRGATUS Baker

A. A. Mauve 4119. From Middelburg District, Transvaal.

279487 to 279490.

From Ethiopia. Plants collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 23, 1962. Numbered Mar. 8, 1962.

279487 and 279488. ARUNDINARIA ALPINA Schum. Poaceae. **Bamboo.**

279487. Col. No. 7658. North-facing valleys, on outer slopes of volcano, above Lake Uanci, 25 km. south of Ambo, Shoa Province. Elevation 3,200 meters. Dec. 1961.

279488. Col. No. 7750. In a dense woodland, Badda Buna forest, 10 km. north of Jimma, Kaffa Province. Elevation 1,800 meters. Annual rainfall 190 cm. Dec. 1961.

279489. DELPHINIUM WELBYI Hemsl. Ranunculaceae.

Col. No. 7539. Brushy slopes, Entotto mountain, behind Addis Ababa, Shoa Province. Elevation 2,500 meters. Feb. 1962. Perennial from a branched, flattened, slender rhizome; flowers deep blue, fragrant.

279490. LOBELIA GIBBEROA Hemsl. Campanulaceae.

Col. No. 8161. Shaded, north-facing slopes, in fringing forest below Seventh Day Adventist Mission, Wallega Province. Elevation 1,890 meters. Herb to 6 meters high, with milky juice throughout; inflorescence to 3 meters high; flowers greenish; stamens bluish.

279491 to 279497. JUGLANS REGIA L. Juglandaceae.

Persian walnut.

From Yugoslavia. Scions presented by United States Agency for International Development, Belgrade. Received Mar. 9, 1962.

279491. No. 6.

279495. No. 87.

279492. No. 13.

279496. No. 94.

279493. No. 22.

279497. Home (Djurdjevic).

279494. No. 74.

279498 to 279512.

From France. Cuttings presented by the Viticoles et d'Arboriculture Fruitiere, Pont-de-la-Maye (Gironde). Received Mar. 9, 1962.

279498 to 279504. *VITIS VINIFERA* L. Vitaceae.

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| 279498. 'Cabernet Sauvagin'. CL 1563. | 279502. 'Olivette Noire'. |
| 279499. 'Chardonnay'. | 279503. 'Savagnin Musque'. |
| 279500. 'Gewurtz Traminer'. CL 1634. | 279504. 'Semillon'. CL 1520. |
| 279501. 'Muscat de l'Adda'. | |

279505 to 279512. *VITIS* (hybrids). Vitaceae.

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| 279505. 'Bertille-Seyve 2758'. | 279509. 'Oberlin 604'. |
| 279506. 'Bertille-Seyve 4825'. | 279510. 'Seibel 11701'. |
| 279507. 'Cauderc 71-20'. | 279511. 'Seibel 14655'. |
| 279508. 'Gaillard-Girard 157'. | 279512. 'Seibel 14676'. |

279513 to 279521.

From Great Britain. Plants purchased from Toynbee's Nursery Garnham, Bagnor Regis, Sussex, England. Received March 12, 1962.

279513. *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds Verbenaceae.

279514. *CARYOPTERIS INCANA* (Thunb.) Miquel. **Common bluebeard.**

279515. *CARYOPTERIS TANGUTICA* Maxim. **Bluebeard.**

279516. *CARYOPTERIS* sp.

'Ferndown'.

279517. *CARYOPTERIS* sp.

'Kew Blue'.

279518. *PYRACANTHA ATALANTIOIDES* (Hance) Stapf. Malaceae.

279519. *PYRACANTHA* sp.

'Knaphill Lemon'.

279520. *PYRACANTHA* sp.

'Wateri'.

279521. *VIBURNUM* × *BODNANTENSE* Aberconway. Caprifoliaceae.

'Dawn'.

279522 to 279524. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From India. Clumps presented by the Sugar Cane Breeding Institute, Coimbatore. Received March 12, 1962.

279522. SES 361.

279523. SES 369.

279524. SES 372.

279525. *BOUTELOUA CURTIPENDULA* (Michx.) Torr. Poaceae. **Sideoats grama.**

From Argentina. Seeds presented by the Ministry of Agriculture, Buenos Aires. Received Mar. 12, 1962.

Deip No. 21,267. Originally from Montevideo, Uruguay.

279526 to 279534. SORGHUM BICOLOR (L.) Moench Poaceae. Sorghum.

From the Republic of South Africa. Seeds presented by the Agricultural Technical Services, Pretoria. Received Mar. 12, 1962.

279526. PS. 142. 'Bechuanaland'. 279531. PS. 217. 'Hegari 499'.
 279527. PS. 210. 'II Vinco A'. 279532. PS. 218. 'Herman Hattingh'.
 279528. PS. 212. 'Barnard Red'. 279533. PS. 219. 'Short Swazi'.
 279529. PS. 213. 'Birdproof'. 279534. PS. 359. 'Ramakothla'.
 279530. PS. 214. 'Birdproof 338-A'.

279535 to 279563. SESAMUM INDICUM L. Pedaliaceae. Sesame.

From Mexico. Seeds presented by the United States Embassy, Mexico City. From the National Institute of Agricultural Research, Mexican Ministry of Agriculture. Received Mar. 12, 1962.

<i>P.I. No.</i>	<i>Variety</i>	<i>Phenotype-grain color</i>
279535.	Instituto No. 1.	2FL-BS.
279536.	Instituto No. 3.	2FL-BS.
279537.	Instituto No. 8.	2FL-BS.
279538.	Instituto No. 9.	4SC-BS.
279539.	Instituto No. 10-3.	2FC-R.
279540.	Instituto No. 14.	343FC-BS.
279541.	Instituto No. 15.	2FL-BS.
279542.	Instituto No. 25.	4SC-BS.
279543.	Instituto No. 102.	2FC-C.
279544.	Instituto No. 104.	2FC-BS.
279545.	Instituto No. 105.	2FC-BS.
279546.	Instituto No. 108.	2FL-AP.
279547.	Instituto C4.	4SC-BS.
279548.	Instituto C14.	343FC-BS.
279549.	Instituto Cla-1-2-3.	343-FL-BS.
279550.	'Dulce'.	2FC-BS.
279551.	Regional Charro de Veracruz.	2FC-BS.
279552.	Regional Coahuilote.	2FC-BS.
279553.	Regional Criollo de Veracruz.	2SC-BS.
279554.	'Guerrero'.	2FC-BS.
279555.	Regional Canasto.	2FC-BS.
279556.	Regional Pachequeno.	2FC-BS.
279557.	Regional Sinaloa No. 1.	2FC-BS.
279558.	Regional Sinaloa No. 2.	2FC-BS.
279559.	Criollo Seleccion. 8 Carreras.	4SC-BS.
279560.	Regional Soyate de Sinaloa.	2FC-BS.
279561.	'Tehautepec I'.	2SC-(CyB).
279562.	'Tehautepec II'.	2SC-(CyB).
279563.	'Tehautepec III'.	2FC-BS.

279564. CYAMOPSIS SERRATA Schinz Fabaceae.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Mar. 12, 1962.

B. de Winter 7678. From Kimberley, Cape Province.

279565 to 279568.

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Numbered Mar. 12, 1962.

279565 to 279567. LYCOPERSICON ESCULENTUM Mill. Solanaceae.

Tomato.

279565. 'Caro Red'. From Purdue University. Carries genes B and mo_B^+ in BB and $mo_B^+ mo_B^+ mo_B^+$ combination.

279566. P. A. Young SV 616C. From Tomato Disease Laboratory, Jacksonville, Texas. Carries gene Lc. It is a special selection of San Marzano, carrying strong resistance to heat sterility.

279567. 'Pearl Harbor'. Originally from Ferry-Morse Seed Co. Carries wilt gene Sw_1^A , homozygous.

279568. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill. Solanaceae.

Currant tomato.

P. A. Young SR 1234E. From Tomato Disease Laboratory, Jacksonville, Texas. Carries gene Lc. Improved selection with early season resistance to *Sclerotinia rolfsii*.

279569. MEDICAGO SATIVA L. Fabaceae.

Alfalfa.

From Spain. Seeds presented by the Ministry of Agriculture, Madrid. Received Mar. 12, 1962.

'Aragon'.

279570 to 279579.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei. Received Mar. 12, 1962.

279570. ASTRAGALUS SINICUS L. Fabaceae.

Chinese milkvetch.

F11.

279571. CROTALARIA LANCEOLATA E. Mey. Fabaceae.

E20.

279572. CROTALARIA USARAMOENSIS Baker f.

E19.

279573. DESMODIUM OVALIFOLIUM Guill. & Perr. Fabaceae.

C34.

279574. DOLICHOS BIFLORUS L. Fabaceae.

Twinflower dolichos.

E88.

279575. GLYCINE KOIDZUMII Ohwi Fabaceae.

E53.

279576. INDIGOFERA TINCTORIA L. Fabaceae.

True indigo.

C85.

279577 and 279578. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae.

Leadtrees.

279577. C32.

279578. C82.

279579. PHASEOLUS CALCARATUS Roxb. Fabaceae.

Rice bean.

E12.

279580 to 279592.

From Japan. Cuttings presented by National Horticultural Experiment Station, Okitsu, Shizuoka. Received Mar. 12, 1962.

- 279580.** DIOSPYROS L. Diospyraceae. **Kaki persimmon.**
'Suruga'. ('Hanagoshō' × 'Okugoshō').

Tree vigorous, slightly spreading, productive. Bears no staminate flowers. Fruit large, roundish-oblate, resembling 'Hanagoshō'; skin brilliant, orange-red; flesh light orange with a very few small tannin specks; sweet, texture fine. Fruits begin ripening middle of November; will hang without softening until late November; can be stored until late December.

- 279581 to 279592.** VITIS VINIFERA L. Vitaceae. **European grape.**

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|-----------------------------------|-----------------------------------|
| 279581. 'Bailey Alicante'. | 279587. 'Muscat Bailey B'. |
| 279582. 'Black Queen'. | 279588. 'Neo-Muscat'. |
| 279583. 'Koshu'. | 279589. 'Red Millennium'. |
| 279584. 'Koshu Sanjaku'. | 279590. 'Rose Queen'. |
| 279585. 'Kyoho'. | 279591. 'Semillon'. |
| 279586. 'Muscat Bailey A'. | 279592. 'Taka Sago'. |

279593 to 279599.

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Manila. Received Mar. 12, 1962.

- 279593.** CANAVALIA ENSIFORMIS (L.) DC. Fabaceae. **Jackbean.**

Collected at La Granja, La Carlota, Negros Occidental. Grown as a cover crop, for green manure, and for hay; seeds are used as a protein supplement in poultry feed.

- 279594.** CENTROSEMA PUBESCENS Benth. Fabaceae.

Collected at La Granja, La Carlota, Negros Occidental. Grown as a pasture crop and for hay.

- 279595.** CALOPOGONIUM MUCUNOIDES Desv. Fabaceae.

Collected at La Carlota Stock Farm, Negros Occidental. Grown as cover crop, for green manure, and in soil erosion control. Has limited pasture use.

- 279596.** CENCHRUS CILIARIS L. Poaceae. **Buffelgrass.**

From the College of Agriculture, University of the Philippines. Pasture grass.

- 279597.** PENNISETUM ORIENTALE L. C. Rich. Poaceae.

From the College of Agriculture, University of the Philippines. Grown as pasture grass, for silage, silage and hay.

- 279598.** PENNISETUM SETOSUM (Swartz) L. C. Rich.

From the Economic Garden. Grown for silage and silage.

- 279599.** STYLOSANTHES SUNDAICA Taub. Fabaceae.

From the Grassland Farm, San Miguel, Bulacan. Grown as pasture and for hay.

279600 to 279605.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Mar. 12, 1962.

- 279600.** PHASEOLUS LATHYROIDES L. Fabaceae.

E22.

- 279601.** SESBANIA SESBAN (L.) Merr. Fabaceae.

E8.

279600 to 279605—Continued

- 279602.** STIZOLOBIUM ATERRINUM Piper & Tracy Fabaceae. **Velvetbean.**
E80.
- 279603.** STYLOSANTHES GUYANENSIS (Aubl.) Swartz Fabaceae.
C29.
- 279604.** TRIGONELLA FOENUM-GRÆCUM L. Fabaceae. **Fenugreek.**
E90.
- 279605.** VIGNA REPENS Baker Fabaceae.
E48.

279606 to 279611. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Greece. Seeds presented by the Hellenic Agricultural Research Institute, Larissa. Received Mar. 13, 1962.

- 279606.** M-4727. 'Flamande'.
279607. M-4728. 'd'Harmignies'.
279608. M-4730. 'du Poitu'.
279609. M-4732. 'de Kayseri'.
279610. M-4735. 'd'Autriche'.
279611. M-7437. Local, Iamia, varieties.

279612 and 279613. AVENA SATIVA L. Poaceae. Common oats.

From Great Britain. Seeds presented by the Welsh Plant Breeding Station, near Aberystwyth, Wales. Received Mar. 13, 1962.

- 279612.** S. 227. 'Pennant'. Winter type.
279613. S. 236. 'Maelor'. Spring type.

279614 to 279628. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From the Republic of Upper Volta. Seeds presented by the Institut de Recherches Pour les Huiles et Oleagineux, Niangoloko. Received Mar. 13, 1962.

Plants semi-erect, or 2-seeded with a pink seed coat; maturing in 140 to 150 days. Rosette-resistant selections.

- 279614.** No. 1031. Average pod yield per plant 35.2 grams; shells 71.7 percent; seeds weigh 25.2 grams; beak weak or absent; dorsal waist medium.
- 279615.** No. 1033. Average pod yield per plant 26.8 grams; shells 65.7 percent; seeds weigh 17.6 grams; beak strong; waist pronounced.
- 279616.** No. 1034. Average pod yield per plant 29.6 grams; shells 72.0 percent; seeds weigh 21.3 grams; beak weak or absent; dorsal waist medium.
- 279617.** No. 1036. Average pod yield per plant 37.3 grams; shells 71.0 percent; seeds weigh 26.4 grams; beak weak or absent; dorsal waist medium.
- 279618.** No. 1037. Average pod yield per plant 28.9 grams; shells 72.0 percent; seeds weigh 20.8 grams; beak medium; dorsal waist medium.
- 278619.** No. 1040. Average pod yield per plant 29.7 grams; shells 70.2 percent; seeds weigh 20.8 grams; beak medium; dorsal waist medium.
- 279620.** No. 1041. Average pod yield per plant 38.6 grams; shells 69.3 percent; seeds weigh 26.7 grams; beak medium; dorsal waist weak.
- 279621.** No. 1042. Average pod yield per plant 36.9 grams; shells 72.7 percent; seeds weigh 26.8 grams; beak medium; dorsal waist weak.
- 279622.** No. 1046. Average pod yield per plant 28.0 grams; shells 70.6 percent; seeds weigh 19.7 grams; beak medium; dorsal waist medium.

279614 to 279628—Continued

- 279623.** No. 1047. Average pod yield per plant 32.1 grams; shells 72.0 percent; seeds weigh 23.1 grams; beak weak or absent; dorsal waist medium.
- 279624.** No. 1050. Average pod yield per plant 34.4 grams; shells 65.5 percent; seeds weigh 22.5 grams; beak weak or absent; dorsal waist medium.
- 279625.** No. 1052. Average pod yield per plant 26.6 grams; shells 65.9 percent; seeds weigh 17.5 grams; beak strong; dorsal waist medium or weak.
- 279626.** No. 1171. Average pod yield per plant 31.7 grams; shells 70.1 percent; seeds weigh 22.2 grams; beak weak or absent; dorsal waist medium.
- 279627.** No. 1172. Average pod yield per plant 36.9 grams; shells 71.8 percent; seeds weigh 26.4 grams; beak medium; dorsal waist weak.
- 279628.** No. 1173. Average pod yield per plant 32.2 grams; shells 71.6 percent; seeds weigh 23.0 grams; beak medium; dorsal waist medium.

279629 to 279640.

From Ireland. Plants purchased from Slieve Donard Nursery Company, New Castle, County Down. Received Mar. 13, 1962.

- 279629.** LEUCOTHOE sp. Ericaceae.
Received as *L. rollinsonii*.
- 279630.** MAGNOLIA WILSONII (Finet & Gagn.) Rehder Magnoliaceae.
Wilson magnolia.
- 279631.** MAGNOLIA sp.
Received as *M. ferruginea*.
- 279632.** MAGNOLIA sp.
Received as *M. undulata*.
- 279633.** PIERIS FORRESTII Harrowex W. W. Smith Ericaceae.
No. 2751-27401.
- 279634 and 279635.** VIBURNUM CARLESII Hemsl. Caprifoliaceae.
Fragrant viburnum.
- 279634.** 'Aurora'.
- 279635.** 'Charis'.
- 279636.** VIBURNUM FRAGRANS Bunge
'Roseum'.
- 279637.** VIBURNUM GRANDIFLORUM Wall.
- 279638.** VIBURNUM HUPEHENSE Rehder Hupeh viburnum.
- 279639.** VIBURNUM PLICATUM Thunb. Japanese snowball.
'Grandiflorum'.
- 279640.** VIBURNUM PLICATUM f. TOMENTOSUM (Thunb.) Rehder
'Rowallana'.

279641 and 279642.

From Germany. Seeds presented by the Botanischer Garten und Museum, Berlin. Received Mar. 13, 1962.

- 279641.** AGROPYRON JUNCEUM (L.) Beauv. Poaceae.
No. 8.
- 279642.** AGROPYRON SIBIRICUM (Willd.) Beauv. Siberian wheatgrass.
No. 8.

279643 to 279646. MALUS SYLVESTRIS Mill. Malaceae.

From the Netherlands. Scions presented by the Instituut voor de Verdeling van Tuinbouwgewassen, Wageningen. Received Mar. 13, 1962.

279643. 'Cox's Orange Pippin' × 'Golden Delicious'. Z7-4 5011-7.

279644. 'Cox's Orange Pippin' × 'Golden Delicious'. Z7-1 5011-18.

279645. 'Golden Delicious' × 'Ingrid Marie'.

279646. 'James Grieve' × 'Irish Peach'.

279647. BROMUS INERMIS Leyss. Poaceae. Bromegrass.

From Canada. Seeds presented by the Department of Agriculture Research Station, Saskatoon, Saskatchewan. Received Mar. 14, 1962.

Strain S-5054. Selection from the reduced creeping type and more restricted in the degree of creeping than 'Parkland' and higher in forage and seed production.

279648. GLYCINE MAX (L.) Merrill Fabaceae. Soybean.

From Canada. Seeds presented by the Department of Agriculture Experiment Station, Harrow, Ontario. Received Mar. 14, 1962.

'Hardome'. A backcross of ('Mandarin' × 'Harrow') × 'Mandarin'. Plant upright, white pubescent; flowers purple; pods light brown; seeds ovoid, medium to large; hilum gray.

279649 and 279650. LESQUERELLA FENDLERI Wats. Brassicaceae.

From the United States. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Mar. 15, 1962.

279649. Gentry No. 19244. A. 14581. Collected in Texas.

279650. Barclay No. 998. A. 14877. Collected in New Mexico.

279651 and 279652. DIGITARIA DECUMBENS Stent Poaceae.

From China. Cuttings presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Mar. 14, 1962.

279651. Strain A-24.

279652. 'Nelspruit' Strain A-82.

279653 to 279655. JUGLANS REGIA L. Juglandaceae.**Persian walnut.**

From Hungary. Trees presented by the United States Legation, Budapest. Received Mar. 15, 1962.

279653. Type E-1.

279654. Type T-10.

279655. Type T56.

279656. OXYTENANTHERA ABYSSINICA (A. Rich.) Munro Poaceae. Bamboo.

From Ethiopia. Seeds collected and presented by W. W. Fager, Bureau of Reclamation, Water Resources Department, Blue Nile Basin Studies, Addis Ababa. Received Mar. 15, 1962.

Beles River Basin, 75 miles southeast of Lake Tana, Gojjam Province.

279657. DIGITARIA PENTZII Stent Poaceae.

From the British West Indies. Seeds presented by the Imperial College of Tropical Agriculture, Trinidad. Received in 1959. Numbered Mar. 15, 1962.

SR 908. Originally from Pretoria.

**279658 to 279671. PENNISETUM SPICATUM (L.) Willd. Poaceae.
Pearl millet.**

From India. Seeds presented by The Rockefeller Foundation, New Delhi.
Received Mar. 15, 1962.

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| 279658. I.P. No. 49. R.S.J. | 279665. I.P. No. 60. Cumbu Co.3. |
| 279659. I.P. No. 51. Baroda 5. | 279666. I.P. No. 62. Bajra L.2. |
| 279660. I.P. No. 52. A.1/3. | 279667. I.P. No. 65. A.F. 3. |
| 279661. I.P. No. 53. S.530. | 279668. I.P. No. 72. S 14. |
| 279662. I.P. No. 55. T/55. | 279669. I.P. No. 73. S.28-15-2. |
| 279663. I.P. No. 57. Cumbu X.3. | 279670. I.P. No. 74. Jajapuri. |
| 279664. I.P. No. 58. Cumbu Co.1. | 279671. I.P. No. 81. E.C. 11793. |

Early Millet Ghana 1.

279672 to 279674.

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Mar. 15, 1962.

279672. *NYMPHAEA CAERULEA* Sav. Nymphaeaceae.

Col. No. 8069. Twenty-nine km. northeast of Jimma, Addis Ababa road, Kaffa Province. Elevation 1,720 meters. Aquatic in wild in a series of spring-fed pools 60 cm. deep; flowers mauve to blue, fragrant.

279673. *PLATYCERIUM ANGOLENSE* Welw. Polypodiaceae. **Fern.**

Col. No. 7995. Epiphyte on *Coffea arabica* and on trunks of large forest trees, seven km. northwest of Tippi airstrip. Elevation 1,320 meters. Clump in wild; sterile fronds erect, to 45 cm. long; fertile fronds pendulous 45 cm. long, rugose, light green.

279674. *DIAPHANANTHE FRAGRANTISSIMA* (Reichb. f.) Schlect. Orchidaceae. **Orchid.**

Col. No. 7904. Epiphyte on trees over a tributary of the Gojeb River, about 60 km. southwest of Jimma, on Bonga Road, Kaffa Province. Elevation 1,120 meters. Plants form large overhanging mats. Clump.

279675 and 279676.

From Mexico. Plants collected and presented by Morrill B. Donnal, Fortin de las Flores, Vera Cruz. Received Nov. 13, 1961. Numbered Mar. 15, 1962.

279675. *POLYPODIUM ASTROLEPIS* Liebm. Polypodiaceae. **Fern.**

Collected from a masonry wall. Elevation 2,700 feet.

279676. *POLYPODIUM FURFURACEUM* Schlect. & Cham. **Fern.**

Collected from a tile roof. Elevation 2,700 feet.

279677 to 279680.

From Lebanon. Cuttings presented by the American University, Beirut. Received Mar. 15, 1962.

279677. *PRUNUS* sp. Amygdalaceae.

'Apricot Ajami'.

- 279678 to 279680. *VITIS VINIFERA* L. Vitaceae. **European grape.**

279678. 'Beitamouni'.

279679. 'Oubeidy'.

279680. 'Tefeifhi'.

279681. MILTONIA sp. Orchidaceae.

From Germany. Plant purchased from H. Wichmann, Celle. Received Mar. 15, 1962. Received as *Miltonia celle* var. *feuerwerk*.

279682. HIBISCUS SYRIACUS L. Malvaceae. Shrub-althea.

From Great Britain. Plants purchased from J. Cheal and Sons, Crawley, Sussex, England. Received Mar. 19, 1962.

'Spectabilis Plena'.

279683 to 279685.

From Great Britain. Seeds presented by the University of Cambridge, Cambridge, England. Received Mar. 19, 1962.

279683. LACTUCA MURALIS (L.) Fresen. Cichoriaceae.

279684. LACTUCA PERENNIS L.

279685. LACTUCA VIROSA L.

279686 and 279687.

From Mauritius. Seeds presented by the Department of Agriculture, Reduit. Received Mar. 19, 1962.

279686. CROTALARIA RETUSA L. Fabaceae.

279687. ZIZYPHUS MAURITIANA Lam. Rhamnaceae. Indian jujube.

279688. BRASSICA NAPUS var. NAPOBRASSICA (L.) Reichb. Brassicaceae. Rutabaga.

From Canada. Seeds presented by the Department of Agriculture Research Station, Nappan, Nova Scotia. Received Mar. 19, 1962.

'Ditmars Swede'.

279689 to 279727.

From countries indicated. Seeds held in storage at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Mar. 19, 1962.

279689 and 279690. CALENDULA OFFICINALIS L. Asteraceae. Pot-marigold.

Seeds presented by Thompson & Morgan, England.

279689. NU 40509.

279690. NU 40513.

From Mexico.

279691. CASSIA ALATA L. Caesalpiniaceae. Ringworm cassia.

Col. No. 19622. Collected by H. S. Gentry, about 25 miles south of Uruapan, along road to Michoacan, December 1961 (NU 42466).

279692. CASSIA LEPTADENIA Greenm.

Col. No. 137. Collected by Juan Arguelles. Chorijoa, San Bernardo, Rio Mayo watershed, Sonora, Sept. 1961 (NU 42012).

279693. CASSIA LEPTOCARPA Benth.

Col. No. 19632. Collected by H. S. Gentry, between Magdalena and Ocotillo, Nayarit, December 12, 1962 (NU 42470).

279694. CASSIA OCCIDENTALIS L.

Col. No. 19552. Collected by H. S. Gentry, above Rio San Pedro, Jalisco, Nov. 1961 (NU 42447).

279695. CROTALARIA LONGIROSTRATA Hook. & Arn. Fabaceae.

Col. No. 19449. Collected by H. S. Gentry, Sanalona, Sinaloa, Nov. 1961 (NU 42409).

279689 to 279727—Continued

279696. *CROTALARIA* sp.

Col. No. 19494. Collected by H. S. Gentry, 18 miles south of Tepic, along road to Compostela, Nayarit, Nov. 1961 (NU 42421).

279697. *EUPHORBIA PARRYI* Engelm. Euphorbiaceae.

Col. No. 18105. Collected by H. S. Gentry, in sand hills 37 miles south of Juarez, Chihuahua, Nov. 1959 (NU 40355).

279698. *IPOMOEA PARASITICA* Don Convolvulaceae.

Col. No. 17651. Collected by H. S. Gentry, Sejaqui, Rio Mayo, Sonora, Nov. 1958 (CD 36395).

279699. *POLANISIA VISCOSA* DC. Capparidaceae.

Col. No. 17636. Collected by H. S. Gentry, Cerros del Fuerte, Sinaloa, Nov. 1958 (CD 36401).

279700. *SCHKUHRIA WRIGHTII* Gray Asteraceae.

Col. No. 18957. Collected by H. S. Gentry, Parral, Chihuahua, Oct. 1959 (NU 40357).

279701. *SESBANIA* sp. Fabaceae.

Col. No. 19586. Collected by H. S. Gentry, near Alpuyecá, Morelos, Dec. 1961 (NU 42458).

279702. *ZALUZANIA DISCOIDEA* Gray Asteraceae.

Col. No. 18088. Collected by H. S. Gentry, Rio San Juan basin, Chihuahua, Oct. 1959 (NU 40249).

From Turkey.

279703. *ANCHUSA HYBRIDA* Ten. Boraginaceae.

Karamanoglu, 22, bottom of Gubuk valley, Ankara, May 1960 (NU TU 41141).

279704. *BRIZA SPICATA* Sibth. & Sm. Poaceae.

Karamanoglu, 103, Bala, Baynam Forest, July 1960 (NU TU 41185).

279705. *CICHORIUM INTYBUS* L. Cichoriaceae. **Chicory.**

Tosum-Karamanoglu, 227, Ankara, July 1960 (NU TU 41250).

279706. *SIDERITIS MONTANA* L. Menthaceae.

Ekren-Sezen, 73, Ankara, May 1960 (NU TU 41168).

From the United States.

279707. *BIFORA AMERICANA* Benth. & Hook. f. ex S. Wats. Apiaceae.

Col. No. 785. Collected by A. S. Barclay and R. E. Perdue, junction of U.S. Highway No. 183 and Texas Highway No. 29, Williamson Co., June 1960 (NU 40924).

279708. *AMBLYOLEPIS SETIGERA* DC. Asteraceae.

Col. No. 708. Collected by A. S. Barclay, Uvalde, Texas, April 1960 (NU 40815).

279709. *CASSIA BONARIENSIS* Colla Caesalpinaceae.

Collected by F. A. Quinones, New Mexico State University, University Park (NU 42214).

279710. *COMANDRA PALLIDA* DC. Santalaceae.

Col. No. 828. Collected by A. S. Barclay and R. E. Perdue, Palo Duro Canyon, Randall Co., Texas, June 1960 (NU 40954).

279711. *DAUCUS PUSILLUS* Michx. Apiaceae.

Col. No. 736. Collected by A. S. Barclay and R. E. Perdue, Fulshear. Ft. Bend Co., Texas, May 1960 (NU 40878).

279689 to 279727—Continued

279712. *DRACOPIS AMPLEXICAULIS* (Vahl) Cass. Apiaceae.

Col. No. 758a. Collected by A. S. Barclay and R. E. Perdue, near Victoria, Victoria Co., Texas, June 1960 (NU 40898).

279713. *HELICHRYSUM BRACTEATUM* Andr. Asteraceae.

Collected by Q. Jones, Beltsville, Md., July 1960 (NU 40836).

279714. *HIBISCUS SYRIACUS* L. Malvaceae. **Shrub-althea.**

Collected by Q. Jones, Beltsville, Md., Sept. 1960 (NU 40985).

279715. *IPOMOEA* sp. Convolvulaceae.

Col. No. 18428. Collected by H. S. Gentry, near Mercedes, Hidalgo County, Texas, March 1960 (NU 40798).

279716. *LAPPULA REDOWSKII* Greene Boraginaceae.

Col. No. 824. Collected by A. S. Barclay and R. E. Perdue, Palo Duro Canyon, Randall County, Texas, June 1960 (NU 40950).

279717 and 279718. *LUNARIA ANNUA* L. Brassicaceae.

279717. Purchased from Harry Saier, Dimondale, Mich., 1960 (NU 40468).

279718. Purchased from Herbst Bros., N.Y., 1958 (CD 32936).

279719. *MARSHALLIA CAESPITOSA* Nutt. ex DC. Asteraceae.

Col. No. 740. Collected by A. S. Barclay and R. E. Perdue, between Houston and Galveston, Texas, May 1960 (NU 40882).

279720. *MERCURIALIS ANNUA* L. Euphorbiaceae.

CD 27203. Feb. 1958.

279721. *PENSTEMON SPECTABILIS* Thunb. Scrophulariaceae.

Collected by H. S. Gentry, Anza, Calif., Sept. 1959 (CD 40174).

279722. *SALVIA TEXANA* (Sheele) Torr. Menthaceae.

Collected by A. S. Barclay and R. E. Perdue, near Austin, Travis Co., Texas, June 1960 (NU 40914).

279723. *SELENIA GRANDIS* Martin Brassicaceae.

Col. No. 706. Collected by A. S. Barclay, Crystal City, Dimmit Co., Texas, April 1960 (NU 40813).

279724. *THALICTRUM DIPTEROCARPUM* Franch. Ranunculaceae.

Yunnan meadowrue.

Purchased from Herbst Bros., N.Y. (NU 40631).

279725. *THALICTRUM POLYCARPUM* Watts.

Col. No. 16697. Collected by H. S. Gentry. 5 miles south of Temecula, road to Pala, Calif., June 1957 (CD 19129).

279726. *VALERIANA OFFICINALIS* L. Valerianaceae.

Collected by Q. Jones, Beltsville, Md., May 1959 (CD 40022).

279727. *VERONICA SPICATA* L. Scrophulariaceae. **Spike speedwell.**

Collected by Q. Jones, Beltsville, Md., July 1959 (CD 40135).

279728. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

From Canada. Seeds presented by the Horticultural Experiment Station, Vineland, Ontario. Received Mar. 19, 1962.

'Early Harkness'. Seed from commercial source.

279729 to 279736.

From Canada. Seeds presented by the Horticultural Experiment Station, Vineland, Ontario, the place of origin of all varieties listed. Received Mar. 19, 1962.

279729. ASPARAGUS OFFICINALIS L. Convallariaceae. **Garden asparagus.**

'Viking'. Original stock 'Mary Washington', which it most closely resembles. Plant vigorous, heavy yielder, large; spears slightly paler green than 'Mary Washington'; considerable resistance to rust; general adaptation.

279730. CAPSICUM FRUTESCENS L. Solanaceae. **Redpepper.**

'Vinedale'. 'Harris Early Giant' × 'Sunnybrook'. Most nearly resembles 'Harris Early Giant'. Plant relatively small, early, productive; fruit good size; walls thick. Adapted to short seasons in north.

279731. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**
'V-548'.

279732 to 279736. LYCOPERSICON (hybrids).

279732. 'V-121'. 'Potentate' × *L. pimpinellifolium*. Most nearly resembles 'Potentate'. Resistant to races 1, 2, 3, 4, 5 and 8 of *Cladosporium fulvum*. Adapted to greenhouse forcing.

279733. 'Vagabond'. F 12 (F8 'Vetomold' × V-121) × F2 of BC2 ('Vetomold' × *L. hirsutum*). Most nearly resembles ('Vetomold'). Greenhouse variety. Resistant to races 1 to 9 inclusive of *Cladosporium fulvum*.

279734. 'Vetomold'. 'Potentate' × *L. pimpinellifolium*. Immune to races 1, 2, 3, 4 and 9 of *Cladosporium fulvum*. Adapted to greenhouse forcing.

279735. 'Vinequeen'. Parentage complex, involving 'John Baer', *L. hirsutum*, 'Vetomold', V-121 and 'Stirling Castle'. Similar to 'Vagabond'. Three to five uniform, scarlet, fruits per pound. Resistant to all known of *Cladosporium fulvum*. Greenhouse forcing variety.

279736. 'Vulcan'. V-473 × 'Vetomold'. Most nearly resembles 'Vetomold'. Resistant to Races 1, 2, 5, 7 and 9 of *Cladosporium fulvum*. Greenhouse forcing variety.

279737 to 279742.

From Canada. Seeds presented by the Dominion Experiment Station, Morden, Manitoba. Received Mar. 20, 1962.

279737. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae. **Cabbage.**
'Morden Midget'.

279738. CAPSICUM FRUTESCENS L. Solanaceae. **Redpepper.**
'Morgold'. Fruit deep green, becoming golden yellow when ripe, 4-celled, pointed; size: polar 3.75 cm., equator 1.65 cm.; wall medium to thick.

279739. CUCUMIS SATIVUS L. Cucurbitaceae. **Cucumber.**
'Morden early'.

279740. HELIANTHUS ANNUUS L. Asteraceae. **Sunflower.**
'Admiral'.

279741. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**
'Meteor'. Plant determinate; fruit oval, bright red, smooth, 4-loculed, separating easily from peduncle; seeds many.

279742. PISUM SATIVUM L. Fabaceae. **Pea.**
'Tiny Tim'.

279743 to 279751.

From Japan. Seeds presented by the Tohoka Forest Tree Improvement Station, Tskisswa, Morioka. Received Mar. 20, 1962.

279743. *BETULA PLATYPHYLLA* Sukatchev Betulaceae.

Sinjyo, Aomori.

279744. *BETULA PLATYPHYLLA* var. *JAPONICA* (Miq.) Hara

Yasihidai, Iwate. Elevation 400 meters. Received as *B. japonica*.

279745 to 279748. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae.

Common cryptomeria.

279745. No. 1. Ajigasawa, Aomori.

279747. No. 3. Silosawa, Akita.

279746. No. 2. Owani, Aomori.

279748. No. 4. Tono, Iwate.

279749. *LARIX LEPTOLEPIS* (Sieb. & Zucc.) Gordon Pinaceae.

Japanese larch.

Nagano.

279750. *PINUS DENSIFLORA* Sieb & Zucc. Pinaceae. **Japanese red pine.**

Hayasaka, Iwate.

279751. *PINUS ×ORAIENSIS* Sieb. & Zucc.

Korean pine.

Kemuriyama, Iwate.

279752 to 279801.

From countries indicated. Seeds held at the United States Department of Agriculture Branch Experiment Station, Parma, Idaho. Numbered Mar. 20, 1962.

279752. *ASTRODAUCUS ORIENTALIS* Drude Apiaceae.

No. 38. Botanic Garden, Copenhagen, Denmark.

279753 and 279754. *CAUCALIS DAUCOIDES* Linn. Apiaceae.

279753. No. 46. Institut de Botanique, Liege, Belgium.

279754. No. 50. Jardin Botanique, Rouen, France.

279755. *CAUCALIS LAPPULA* Grande

No. 39. Botanic Garden, Copenhagen, Denmark.

279756. *CAUCALIS LATIFOLIA* L.

No. 43. Botanic Garden, Uppsala, Sweden.

279757. *CAUCALIS LEPTOPHYLLA* L.

No. 40. Botanic Garden, Copenhagen, Denmark.

279758 to 279760. *DAUCUS AUREUS* Desf. Apiaceae.

279758. No. 15. Department of Botany, Hebrew University, Jerusalem, Israel.

279759. No. 20. Jardin Botanico, Madrid, Spain.

279760. No. 31. Botanic Garden, Copenhagen, Denmark.

279761 and 279762. *DAUCUS BOCCONI* Guss.

279761. No. 3. Magyar Tudományos Akademia, Vacratot, Hungary.

279762. No. 32. Botanic Garden, Copenhagen, Denmark.

279763. *DAUCUS BROTERI* Tenore

No. 16. Department of Botany, Hebrew University, Jerusalem, Israel.

279764. *DAUCUS CAPILLIFOLIUS* Gilli

No. 18. Sandy soil, Gebel, near Jefren, Tripoli.

279752 to 279801—Continued

- 279765 to 279774.** *DAUCUS CAROTA* L. Carrot.
279765. No. 12. Royal Botanic Garden, Kew, England,
 279766. No. 13. Botanical Garden, Lund, Sweden.
 279767. No. 14. Botanical Garden, Lund, Sweden.
 279768. No. 21. Jardin Botánico, Madrid, Spain.
 279769. No. 27. Hortus Botanicus, Coimbra, Portugal.
 279770. No. 33. Botanic Garden, Copenhagen, Denmark.
 279771. No. 34. 'Libanifolia'. Botanic Garden, Copenhagen, Denmark.
 279772. No. 45. Institut de Botanique, University de Liege, Belgium.
 279773. No. 48. Jardin Botanique, Rouen, France.
 279774. No. 51. State Botanical Garden, Brussels, Belgium.
- 279775.** *DAUCUS CAROTA* subsp. *GUMMIFER* Lam.
 No. 4. Magyar Tudományos Akademia, Vacratot, Hungary.
- 279776 and 279777.** *DAUCUS CAROTA* var. *BOISSIERI* Schweinf.
279776. No. 1. 'Balady'. College of Agriculture, Kahera University, Giza, Egypt.
 Root purple; annual flowering.
 279777. No. 2 Orman Botanic Garden, Giza, Orman, Egypt.
- 279778 to 279780.** *DAUCUS CRINITUS* Desf.
279778. No. 6. National Agricultural Station, Sacavem, Portugal.
 279779. No. 8. Hortus Botanicus, Coimbra, Portugal.
 279780. No. 28. Hortus Botanicus, Coimbra, Portugal.
- 279781.** *DAUCUS DURIEUA* Lange
 No. 29. Hortus Botanicus, Coimbra, Portugal.
- 279782 to 279784.** *DAUCUS GINGIDIUM* L.
279782. No. 5. Magyar Tudományos Akademia, Vacratot, Hungary.
 279783. No. 7. National Agricultural Station, Sacavem, Portugal.
 279784. No. 35. Botanic Garden, Copenhagen, Denmark.
- 279785.** *DAUCUS GUMMIFER* Lam.
 No. 49. Jardin Botanique, Rouen, France.
- 279786** *DAUCUS MARITIMUS* Lam.
 No. 22. Jardin Botánico, Madrid, Spain.
- 279787 to 279789.** *DAUCUS MAXIMUS* Desf.
279787. No. 17. Department of Botany, Hebrew University, Jerusalem, Israel.
 279788. No. 19. Museum of Natural History, Vienna, Austria.
 279789. No. 36. Botanic Garden, Copenhagen, Denmark.
- 279790 to 279793.** *DAUCUS MURICATUS* L.
279790. No. 11. Service Botanique et Agronomique de Tunisie, Tunisia.
 279791. No. 30. Hortus Botanicus, Coimbra, Portugal.
 279792. No. 37. Botanic Garden, Copenhagen, Denmark.
 279793. No. 42. Botanic Garden, Uppsala, Sweden.

279752 to 279801—Continued

- 279794.** DAUCUS POLYGAMUS GOVAN.
No. 23. Jardin Botanico, Madrid, Spain.
- 279795.** DAUCUS PULCHERRIMUS Koch ex DC.
No. 24. Jardin Botanico, Madrid, Spain.
- 279796.** DAUCUS PUMILUS Ball
No. 9. Hortus Botanicus, Coimbra, Portugal.
- 279797.** DAUCUS PUSILLUS Michx.
No. 25. Jardin Botanico, Madrid, Spain.
- 279798.** DAUCUS SETULOSUS Guss. ex DC.
No. 26. Jardin Botanico, Madrid, Spain.
- 279799 to 279801.** ORLAYA GRANDIFLORA Hoffm. Apiaceae.
- 279799.** No. 41. Botanic Garden, Copenhagen, Denmark.
- 279800.** No. 44. Botanic Garden, Uppsala, Sweden.
- 279801.** No. 47. Institut de Botanique, Liege, Belgium.

279802 to 279821.

From Canada. Seeds presented by the Central Experimental Farm, Ottawa, Ontario. Received March 21, 1962.

- 279802.** AGROPYRON CRISTATUM (L.) Gaertn. Poaceae. **Crested wheatgrass.**
'Fairway'. Stems and leaves remain green after seeds mature; head to 4 inches long, fanlike; seeds have short slender awns; root system very extensive.
- 279803.** ASPARAGUS OFFICINALIS L. Convallariaceae. **Garden asparagus.**
'Eden'. An early 'Martha Washington', not producing as heavy first 2 weeks of harvest. Shows resistance to rust under field epidemic at Ottawa.
- 279804 and 279805.** BRASSICA NAPUS var. NAPOBRASSICA (L.) Reichb. Brassicaceae. **Rutabaga.**
279804. 'Acadia'. Bred from commercial strain of 'Bangholm', by the Division of Forage Plants, Central Experiment Farm, Ottawa. Plants large; leaves erect, glaucous, green variations; shoulder rough with some cracks, purple; flesh yellow.
279805. 'Laurentian'. Bred by Agronomy Department, Macdonald College from a strain of 'Bangholm 8112 MC'. Skin purple; flesh uniform.
- 279806.** BRASSICA OLERACEA var. CAPITATA L. **Cabbage.**
'Canadian Acre'. Head ball shaped, averaging 800 grams, very firm with wrapper leaves closely adherent and fully covering head.
- 279807.** CUCUMIS SATIVUS L. Cucurbitaceae. **Cucumber.**
'Delcrow'. Fruit dark green with pale green striping at blossom end; 5.2 by 19 cm.; flesh white with trace of green extending inward from skin. For home and greenhouse growing.
- 279808.** DACTYLIS GLOMERATA L. Poaceae. **Orchardgrass.**
'Hercules'. Mass selected from Manchurian material. Plants leafy, upright, growing luxuriantly in the spring and maturing 1 week later than commercial orchardgrasses.
- 279809.** GLYCINE MAX (L.) Merrill Fabaceae. **Soybean.**
'Blackeye'. Color 62/3 (yellowish green) with black hilum; edible; for home garden, freezing and canning; in areas with moderately long summer.

279802 to 279821—Continued

279810 to 279817. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

279810. 'Carleton'. Plant indeterminate; fruit nearly globular, four-celled; flesh pale red; seeds many. Adapted to staking.

279811. 'Early Lethbridge'. (L-3700 Sel. III). Originated at Experimental Farm, Lethbridge, Alberta. 'Farthest North' × 'Polar Circle'. Most nearly resembles 'Early Chatham'. Very early; fruit good size, red; flesh firm, excellent for processing. Adapted to western Canada.

279812. 'Earlinorth'. Originated at Experimental Farm, Lethbridge, Alberta. 'Farthest North' × 'Polar Circle'. Leaves bright green, potato-like; fruit rough or fasciated, sets under cool conditions. Adapted to north.

279813. 'Ferguson'. Originated at Central Experiment Farm, Ottawa. 'Bounty' × 'Early Rutgers', fixed selection. Plant determinate, good cover, heavy yielder; fruit uniform, good size and color for canning, moderately resistant to cracking. Adapted to Ontario.

279814. 'Harrow'. Originated at Agricultural Experiment Farm, Harrow, Ontario. S25-7-2(S.C.) × 'Red Cloud'. Similar to 'Red Cloud'. Plant determinate; fruit uniform ripening, resistant to cracking. Wide adaptation.

279815. 'Manitoba'. Originated at Experiment Farm, Morden, Manitoba. ('Bounty' × 'Marglobe') × 'Redskin'. Early; fruits smooth. Adapted to southern Canada.

279816. 'Morden Yellow'. Originated at Experiment Farm, Morden, Manitoba. 'Bestal' × 'Round Smooth'. Fruit orange yellow. Adapted to short season gardens.

279817. 'Scotia'. Originated at Dominion Experiment Farm, Kentville, Nova Scotia. 'Meteor' × 'Quebec No. 5'. Plant determinate, productive, very early; fruit green shouldered, medium size. Adapted to short season, cool areas.

279818. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

'Pacer'. Plan bush type, snap and baking type; pods yellow, green tipped when young; seeds white, kidney shaped.

279819 and 279820. *PISUM SATIVUM* L. Fabaceae. **Pea.**

279819. 'Alton'. Pods 6.5 by 1.5 cm., granular or moderately wrinkled; seeds 4 to 6 per pod, green to cream and gray green, semi-flat, wrinkled, 25.1 grams per 100 seeds.

279820. 'Selkirk'. Pods 6.35 by 1.3 by 1.1 cm., spinach green, slightly wrinkled; seeds 6 per pod, cream to olive green, square, 16.2 grams per 100 seeds.

279821. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

'Altaswede'. Perennial, single cut type; stems 10 percent hairy, 90 percent smooth; leaves elongate, pale green, hairy both sides; flowers oval, white to red with pink predominating; seeds small, 60 percent yellow, remainder purple to yellow-purple.

279822. *ROSA* (hybrid). Rosaceae.

From Australia. Cuttings presented by the Department of Agriculture and Stocks, Brisbane. Received Feb. 13, 1962. Numbered June 12, 1962.

R. tausendschon × *R. multiflora*.

279823 to 279827. *PISUM SATIVUM* L. Fabaceae. **Pea.**

From Germany. Seeds presented by the Max-Planck Institut of Plant Breeding, Koln-Vogelsang. Received Mar. 21, 1962.

279823. 'Edelperle'. 'Luttichau' × 'Riebesel'.

279823 to 279827—Continued

279824. 'Foli'. No. 1.
 279825. 'Foli' No. 2.
 279826. 'Heralda'.
 279827. 'Mansholt's Pluk'.

279828 to 279836.

From Ethiopia. Plants collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Mar. 21, 1962.

279828. APIUM NODIFLORUM Reich. f. Apiaceae.

Col. No. 7520. Very wet, shaded slopes along branch of Acachi River, about 3 km. northeast of main road to Acachi, Shoa Province. Elevation 2,100 meters. Plant a lithe paludal from creeping rhizome, rather succulent, tastes like celery.

279829. DRACAENA STEUDNERI Schwfth. ex Engl. Liliaceae.

Col. No. 7982. Moist woods, along edge of fields and in deep ravines, 7 km. northwest of Jimma, on road to Agaro, Kaffa Province. Elevation 1,750 meters. Tree to 12 meters high; bole straight at base, then profusely branched; branches strict to ascending; leaves clustered mostly just below the inflorescence; inflorescence 1 meter long, much branched; flowers terminal on new apical shoots.

279830. DRYNARIA VOLKENSII Hieron. Polypodiaceae. Fern.

Col. No. 7679. Epiphyte, on limbs of tree by stream 34 km. west of Ambo, Shoa Province. Elevation 2,490 meters. Plant wild, rhizomatous; fronds dimorphic; the sterile pinnatifid, ascending, clasping; the fertile ones erect.

279831. GALINIERA COFFEOIDES Del. Rubiaceae.

Col. No. 7839. Component of shrub layers in rainforest with *Coffea arabica*, across Dentcha River from Sudan Interior Mission, Bonga, Kaffa Province. Elevation 1,700 meters. Evergreen tree to 8 meters high, densely branched; bark smooth, gray.

279832. HAEMANTHUS MULTIFLORUS Martyn Amaryllidaceae.

Col. No. 8022. Rocky bank along south side of Baco River, where Tippi-Mesan Tefari trail crosses, Illubabor Province. Elevation 1,010 meters. Bulbous plant in wild; stem sheaths red mottled; leaves to 0.5 meter high; flowers scarlet.

279833. KALANCHOE PETITIANA A. Rich. Crassulaceae.

Col. No. 7715. Clearing at edge of *Juniperus procera* forest, Managasha National Park, Shoa Province. Succulent perennial in wild to 1.5 meters high, tufted from base; flowers variable in color from white to deep pink.

279834. COLEUS ASSURGENS Bak. Menthaceae.

Col. No. 7569. Moist, shaded bank by stream, Entotto Mountain, Shoa Province. Elevation 2,500 meters. Tufted perennial to 60 cm. high, spreading; stems and leaves succulent; flowers bright blue.

279835. (Undetermined.) Araceae.

Col. No. 7470. Base of lava boulders much overgrown by shrubs, west side of Acachi River near top of valley, 17 km. south of Addis Ababa, Shoa Province. Elevation 2,070 meters. Plant tuberous rooted; tubers 65 to 75 mm. across, 12 to 18 mm. thick, white and succulent; inflorescence (fruiting stalk) partially underground; fruit scarlet.

279828 to 279836—Continued

279836. (Undetermined.) Orchidaceae.

(No Col. No.) Rain forest along Baco River where Tippi-Mesan Tefari trails cross, Illubabor Province. Elevation 1,010 meters. Plant terrestrial; leaves brownish green; flower spike to 35 cm. long, 13 mm. across; flowers brownish with yellow throat.

279837 to 279841.

From Great Britain. Seeds presented by Hillier & Sons, Winchester, England. Received Mar. 22, 1962.

279837. *ASTER ALPINUS* L. Asteraceae.

'Roseus'.

279838. *CRAMBE CORDIFOLIA* Stev. Brassicaceae.

279839. *DIANTHUS NOEANUS* Boiss. Silenaceae.

279840. *HOSTA GLAUCA* (Miq.) Stearn Liliaceae. Cushion plantainlily.

279841. *IRIS DOUGLASIANA* Herb. Iridaceae.

279842 to 279845.

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Mar. 22, 1962.

279842. *JARILLA CHOCOLA* Standley Caricaceae.

Col. No. 19351. Short tree forest canyon, Sierra La Chuna near San Bernardo, Sonora. Perennial herb in wild; roots tuberous.

279843. *PHYSALIS PUBESCENS* L. Solanaceae.

Arguelles No. 131. 'Tomotillo Grande' from Chorihoa, Sonora.

279844. *TAXODIUM MUCRONATUM* Ten. Pinaceae.

Montezuma baldcypress.

Arguelles No. 126. 'Sabino' from Chorihoa, Sonora. Ornamental.

279845. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

Col. No. 19274. 'Frijol yorimumi' from Chorihoa, Rio Mayo, Sonora. Cultivated on sandy soil. Plant bush-beanlike.

279846 to 279848.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehobot. Received Mar. 22, 1962.

279846. *MEDICAGO CILIARIS* (L.) All. Fabaceae.

Field No. 36-51. Heavy alluvial soil, Yehiam, 800 mm. rainfall. Plant annual.

279847. *TRIFOLIUM CHERLERI* L. Fabaceae.

Col. No. 34-51. Terra rosa soil, northern road Sasa, 900 mm. rainfall.

279848. *VICIA NARBONENSIS* L. Fabaceae.

Field No. 81-50.

279849 and 279850. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. Cauliflower.

From the Netherlands. Seeds presented by the British Embassy, Washington, D.C. Received Mar. 22, 1962.

279849. No. 1. Six weeks.

279850. No. 2. 'VDB Delta'.

279851 to 279875.

From Japan. Seeds presented by T. Sakata & Company, Yokohama. Received Mar. 22, 1962.

279851 to 279856. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae. **Cabbage.**

F-1 hybrids.

279851. No. 18. Head semiball, firm, dark green to 5 lb.; early maturing, for cool climates, fall and spring.

279852. No. 19.

279853. No. 21. Head semiflat, to 3.5 lb.; early to midseason, all weather type, nonbolting.

279854. No. 26. Succession type; good for spring and summer sowing. Stays in head longer than 'Golden Acre' or 'Jersey Wakefield'.

279855. No. 30.

279856. No. 31.

279857. *BRASSICA PEKINENSIS* (Lour.) Rupr. **Chinese cabbage.**

F-1 hybrid. Short season type with firm head. Can be harvested in 50 to 60 days from sowing.

279858 to 279861. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**

F-1 hybrids.

279858. 'Honey Cream'.

279859. No. 100. Plant heavy bearer; fruit seedy, somewhat oblong, to 12 lb., midseason variety; skin striped; rind thin; flesh very sweet, juicy, deep rose red. Highly resistant to all diseases.

279860. No. 101. Fruit round, to 15 lb., midseason variety; skin light green with fine veins; rind thin; flesh sweet, juicy, salmon pink. Highly resistant to disease.

279861. No. 103.

279862. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

F-1 hybrid. 'Sweetie'.

279863. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. **Squash.**

F-1 hybrid No. 2.

279864 to 279871. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

F-1 hybrids. Fruit pink.

279864. No. 1. Plant productive, very early bearing; fruit round, slightly flattened, 3 per lb. Highly disease resistant.

279865. No. 2. Plant productive; early maturing; fruit round, slightly flattened, to 12 oz. each. Highly disease resistant.

279866. No. 4. 'Ponderosa' type but fruit better shaped and heavier producer. Fruit to 1 lb.

279867. No. 5. 'Ponderosa' type but better shape and smoother skin, early variety with abundant and continuous yield; fruits to 12 oz.

279868. No. 6. Earliest maturing large pink; marked hybrid vigor, tall; fruit round, to 7 oz.

279869. No. 21. Plant heavy yielder, medium early; fruit round, very meaty, red, to 8 oz., reduced number of seeds.

279870. No. 22. Plant vigorous, tall, heavy yielder, early; fruit somewhat flattened, under 8 oz.

279871. No. 23. Plant indeterminate, midseason, earlier than 'Rutgers'; fruit ball shaped with small blossom end, red, 8 to 12 oz.; skin smooth. Highly resistant to diseases.

279851 to 279875—Continued**279872 to 279875.** SOLANUM MELONGENA L. Solanaceae. **Eggplant.**

F-1 hybrids.

279872. No. 23. Plant vigorous, heavy cropper; fruits oblong, to one lb.; skin shiny black. Highly disease resistant.**279873.** No. 25. Plant somewhat spreading, heavy yielder, very early maturing; fruit somewhat smaller than 'New Hampshire Hybrid'; skin glossy black. Highly resistant to fusarium and other diseases.**279874.** No. 29.**279875.** No. 30. Plant productive, early maturing; fruit roundish, medium size; skin glossy purple blue. Highly resistant to disease. Grown in U.S. as 'TS Cross'.**279876.** PISUM SATIVUM L. Fabaceae. **Pea.**

From Germany. Seeds presented by van Waveren & de Bres GmbH, Rosdorf-Gottingen. Received Mar. 22, 1962.

'Horal'.

279877 to 279884. CARICA PAPAYA L. Caricaceae. **Papaya.**

From New Guinea. Seeds presented by the Director of Agriculture, Port Moresby. Received Mar. 22, 1962.

Collected at Erave, elevation 3,600 feet.

279877. No. 1. Plant dwarf, prolific fruiting; fruit spherical, orange yellow; flesh orange.**279878.** No. 2. Plant dwarf, prolific fruiting; fruit spherical, bright orange; flesh bright orange.**279879.** No. 3. Plant tall, prolific fruiting; fruit spherical, light yellow; flesh light orange.**279880.** No. 4. Plant dwarf, prolific fruiting; fruit cylindrical, light yellow; flesh light orange.**279881.** No. 5. Plant dwarf, moderate fruiting; fruit cylindrical, light yellow; flesh orange.**279882.** No. 6. Plant dwarf, prolific fruiting; fruit cylindrical, yellow; flesh bright yellow.**279883.** No. 7. Plant tall, prolific fruiting; fruit spherical, orange to yellow; flesh yellow.**279884.** No. 8. Plant tall, moderately prolific; fruit spherical, greenish light yellow; flesh yellow.**279885.** PHASEOLUS AUREUS Roxb. Fabaceae. **Mung bean.**

From Angola. Seeds presented by the Direccao de Agricultura e Florestas via the United States Embassy, Leopoldville, Republic of Congo. Received Mar. 23, 1962.

279886 and 279887. ZEA MAYS L. Poaceae. **Corn.**

From Brazil. Seeds presented by the Instituto de Genetica, Universidade de Sao Paulo, Sao Paulo. Received Mar. 23, 1962.

279886. 'Parana III'.**279887.** 'S. Paulo XIII'. 4986.**279888 to 279896.**

From Puerto Rico. Seeds presented by S. E. Fulton, Fort Brooks. Received Mar. 23, 1962.

279888. HIBISCUS ACETOSELLA Welw. Malvaceae.

Leaves red.

279888 to 279896—Continued

279889. *HIBISCUS BIFURCATUS* Cav. Rosemallow.
Flowers rose purple.
279890. *HIBISCUS ROSA-SINENSIS* L. Chinese hibiscus.
279891. *HIBISCUS HAMABO* Sieb. & Zucc.
279892. *HIBISCUS MILITARIS* Cav.
279893. *HIBISCUS MUTABILIS* L. Cotton rosemallow.
279894. *HIBISCUS SYRIACUS* L. Shrub-althea.
279895. *HIBISCUS* sp.
Tree hibiscus.
279896. *HIBISCUS GRANDIFLORUS* Michx.

279897 to 279899.

From France. Cuttings presented by Station de Recherches, Viticoles et d'Arboriculture Fruitiere, Pont-de-la-Maye (Gironde). Received Mar. 26, 1962.

279897. *VITIS VULPINA* L. Vitaceae.
'Riparia Grande Glabre'.
279898. *VITIS* (hybrid).
Rootstock No. 4453.
279899. *VITIS* sp.
5BB.

279900 to 279902.

From England. Plants purchased from Hillier & Sons, Winchester. Received Mar. 22, 1962. Numbered Mar. 26, 1962.

279900. *ASPLENIUM ADIANTUM* var. *NIGRUM* L. Polypodiaceae. Fern.
279901. *CETERACH OFFICINARUM* DC. Polypodiaceae. Fern.
279902. *POLYSTICHUM SETIFERUM* Forsk. Polypodiaceae. Fern.
'Actilobum'.

279903 to 279932.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 26, 1962.

- 279903 to 279908. *GLYCINE JAVANICA* L. Fabaceae.
279903. C.P.I. 16417. 279906. C.P.I. 17673.
279904. C.P.I. 16673. 279907. C.P.I. 18103.
279905. C.P.I. 17185. 279908. C.P.I. 18419.
279909. *LOTONONIS BAINESII* Baker Fabaceae.
C.P.I. 16833.
- 279910 to 279914. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
279910. Q. 422. 'Broadleaf Giant'. 279913. V. 192. 'Glutinosa'.
279911. V. 187. 'Dry Area'. 279914. V. 193. 'Rhizoma'.
279912. V. 188. 'Hunter River Lucerne'.
279915. *STYLOSANTHES SUNDAICA* Taub. Fabaceae.
Q. 314. 'Townsville Lucerne'.

279903 to 279932—Continued

- 279916.** *TRIFOLIUM ARMENIUM* Willd. Fabaceae.
C.P.I. 23819.
- 279917.** *TRIFOLIUM BEJARIENSE* Moric.
C.P.I. 21853.
- 279918.** *TRIFOLIUM CANESCENS* Willd.
C.P.I. 23822.
- 279919 and 279920.** *TRIFOLIUM CARMELII* Boiss.
279919. C.P.I. 15637.
279920. C.P.I. 18739.
- 279921.** *TRIFOLIUM CERNUUM* Brot.
C.P.I. 13103.
- 279922.** *TRIFOLIUM DESVAUXII* Boiss. & Blanche.
C.P.I. 13816.
- 279923.** *TRIFOLIUM ISODON* Murb.
C.P.I. 14736.
- 279924.** *TRIFOLIUM MARITIMUM* Huds.
S-208.
- 279925.** *TRIFOLIUM PARVIFLORUM* Ehrh.
C.P.I. 22743.
- 279926.** *TRIFOLIUM PETRISAVII* Clem.
C.P.I. 13946.
- 279927.** *TRIFOLIUM SEMIPILOSUM* Fresen.
C.P.I. 21156.
- 279928.** *TRIFOLIUM STENOPHYLLUM* Boiss.
C.P.I. 14938.
- 279929.** *TRIFOLIUM SUPINUM* Savi Fabaceae.
C.P.I. 14941.
- 279930.** *TRIFOLIUM USAMBARENSE* Taub.
C.P.I. 22156.
- 279931** *CHLORIS TRUNCATA* R. Br. Poaceae.
C1130. McKee 8931.
- 279932.** *SORGHUM LEOCLADUM* (Hack.) Hubbard Poaceae.
C1131. McKee 8948.

279933. PISUM SATIVUM L. Fabaceae. Pea.

From New York. Seeds held in storage at the Regional Introduction Station, Geneva. Numbered Mar. 26, 1962.

'Chinese Snow Pea'. Obtained from California. Plant to 150 cm. high, 16 nodes to first flower, 46 days to bloom; flowers white; pods single 8.2 by 2.2 cm., 6-seeded, distorted, flat, whitish translucent; seeds medium size, wrinkled and round; seed coats split. Very susceptible to powdery mildew.

279934. HIBISCUS ROSA-SINENSIS L. Malvaceae. Chinese hibiscus.

From Puerto Rico. Cuttings presented by the Federal Experiment Station, Mayaguez. Received Mar. 26, 1962.

279935 to 279940. PYRUS COMMUNIS L. Malaceae.

From France. Cuttings presented by the Georges Delbard Nursery, Paris. Received Mar. 28, 1962.

279935. Rx 76. 'Williams Rouge' × 'Comice'.
 279936. Rx 196. 'Clairgeau' × 'Williams'.
 279937. Rx 226. 'Beurre Hardy' × 'Passe-Crassane'.
 279938. Rx 249. Open pollinated seedling of 'Williams'.
 279939. Rx 259. Open pollinated seedling of 'Williams'.
 279940. Rx 274. Open pollinated seedling of 'Clairgeau'.

279941 and 279942. VITIS VINIFERA L. Vitaceae.**European grape.**

From Germany. Cuttings presented by the Landes- Lehr- und Forschungsanstalt für Wein und Gartenbau, Maximilianstrasse. Received Mar. 28, 1962.

279941. 'Siegerrbee'. ('Muscat Couillier' × 'Gewurztraminer').
 279942. 'Weissburgunoler' × 'Silvaner' ('Pinot Blanc') × 'Silvaner' (28/30).

279943 to 279950.

From Turkey. Seeds presented by the Department of Agronomy, University of Ankara, Ankara. Received Mar. 28, 1962.

279943. *BROMUS MACROSTACHYS* var. *LANUGINOSUS* (Poir.) Coss. & Dur. Poaceae.

Field No. 728. Plant wild annual to 50 cm. high; leaves wide; inflorescence erect; spike long.

279944. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

Field No. 457. 'Tenuis'. Kocas State Farm, Konya. Perennial in wild; stem straight or decumbent, mostly glabrous; leaves on short stalks; leaflets linear; flower stalk cylindrical; flowers yellow.

279945. *MEDICAGO SCUTELLATA* (L.) Mill. Fabaceae. **Snail medic.**

Field No. 527. Plant in wild, annual to 50 cm. high; leaves long, toothed.

279946. *TRIFOLIUM ARMENIUM* Willd. Fabaceae.

Field No. 110. Beynam forest and steppe, Ank Bala. Plants in wild, covered with soft hairs; stem erect; flowers yellow.

279947. *TRIFOLIUM GLOBOSUM* L.

Field No. 539. Twelve km. from Bayhan, road to Surt. Plant annual, to 40 cm. high, pubescent.

279948. *TRIFOLIUM VESICULOSUM* Savi

Field No. 567. Frontier Kabine Kule Dist. Plant in wild, annual; stem straight, branched.

279949. *TRIFOLIUM STELLATUM* L.

Field No. 481. Plant in wild.

279950. *VICIA CASSUBICA* L. Fabaceae.

Field No. 571. Kirkklareli, Derekoij, Bulgarian border. Plant in wild, perennial to 40 cm. high; inflorescence racemose; flowers blue.

279951. ILEX AQUIFOLIUM var. CHINENSIS Loes. Aquifoliaceae.

From Japan. Seeds presented by the Aritaki Arboretum, Koshigayashi, Saitama-ken. Received Mar. 28, 1962.

279952. ILEX PARAGUARIENSIS St. Hil. Aquifoliaceae. Yerba mate.

From Argentina. Seeds presented by the Secretaria de Estado de Agricultura y Ganaderia de la Nacion, Buenos Aires. Received Mar. 28, 1962.

DEIP No. 21.274. El Zaiman Mission.

279953 to 279957. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Brazil. Seeds presented by Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Mar. 28, 1962.

279953. 'Macrocarpa'.

279954. 'Nhambiquara Vermelho'. Matto Grosso.

279955. 'Nhambiquara Vermelho Claro'. Matto Grosso.

279956. 'Roxo'.

279957. 'Tatu'. Bahia.

279958. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Turkey. Seeds presented by a commercial grower, Kayseri. Received Mar. 28, 1962.

279959. HORDEUM VULGARE L. Poaceae. Barley.

From Great Britain. Seeds presented by E. W. Nickerson & Sons, Limited, Grimsby, Lincolnshire, England. Received Mar. 28, 1962.

'Swallow'. Spring type.

279960. VETIVERIA ZIZANIODES (L.) Nash Poaceae.

From the British West Indies. Seeds presented by the Department of Agriculture, Montserrat, Leeward Islands. Received Mar. 28, 1962. Bunch grass, to 6 feet; adapted to dry sites; propagated by seeds and vegetatively; used for soil erosion and windbreaks.

279961 to 280006. ORYZA SATIVA L. Poaceae. Rice.

From Italy. Seeds presented by the Stazione Sperimentale di Riscicoltura, Vercelli. Received Mar. 28, 1962.

279961. 'Allorio' × 'Bagiang'.

279962. 'American 1600'.

279963. 'Arborio 111/11'.

279964. 'Ardizzone'.

279965. 'Balilla'.

279966. 'Balilla Grana Grossa'.

279967. 'Balilla' × R. 77 V 274 bis.

279968. 'Balilla' × R. Bersani V207.

279969. 'Balilla' × R. Bersani V248.

279970. 'Balocco'.

279971. 'Baraggia'.

279972. 'Baraggia' × 'F. Roncarolo'. F₂.

279973. 'Baraggia' × S. 136. F₂.

279974. 'Bellardone'.

279975. 'Early Prolific' × 'Zenith I Bo. 786'.

279976. 'Fiorina'.

279977. 'Fontanetto Po'.

279978. 'Franco Roncarolo'.

279961 to 280006—Continued

279979. 'Italpatna 640'.
 279980. ('Italpatna 640' × R. B. × 'Balilla' × R. B.) × 'Italpatna 640'. F₂.
 279981. 'La Ferla' × 'Sesia'. F₂.
 279982. 'Magnolia' × 'Allorio' × 'Magnolia'. F₂.
 279983. 'Monticelli'.
 279984. 'Olcenengo'.
 279985. 'Omirt 39' × (R. B. × 'Italpatna 640'). F₁.
 279986. 'Originario Leucino'.
 279987. P. 6 × P. 6 × 'Blue Rose V.638'.
 279988. 'Razza 77'.
 279989. 'Razza 253'.
 279990. 'R. Bersani 7/5'.
 279991. 'R. Bersani Balilla' × 'R. Bersani V.265'.
 279992. R. B. × (R. B. × 'Balilla' × R. B. 266). F₁.
 279993. R. B. × 'Italpatna 640' × R. B.
 279994. 'Rizzotto'.
 279995. 'Rizzotto' × 'Magnolia'.
 279996. 'Rizzotto' × 'S. 82 Chiappelli I Bo. 567'.
 279997. 'Ronco'.
 279998. 'Ronco' × 'Ardizzone I Bo. 92'.
 279999. 'Roverbella'.
 280000. 'Sesia'.
 280001. 'Stirpe 82 Chiappelli'.
 280002. 'Stirpe 136'.
 280003. S. 136 × ('Baraggia' × R. B.). F₁.
 280004. 'Vialone Nano' × 'Ardizzone V. 210/60'.
 280005. ('Zenith' × S. 136) × S. 136. F₁.
 280006. ('Zenith' × S. 136) × 'Zenith'. F₂.

280007. VACCINIUM MYRTILLUS L. Vaccinaceae.**European whortleberry.**

From Yugoslavia. Plants presented by L. H. MacDaniels, United States Embassy, Belgrade. Received Mar. 28, 1962.

Growing in the woodland at Slovenia.

280008 to 280018. MALUS SYLVESTRIS Mill. Malaceae.

From Yugoslavia. Scions presented by Janko Lipovec, Kmetijski Pospesevalni Zavod, Maribor. Received Mar. 28, 1962.

280008. No. 3709. 'Ananas Reinette' × 'James Grieve'. Yellow, good quality.
 280009. Pohorka No. 2033. 'Cox Orange × Ontario'.
 280010. No. 6947. 'Gold Pearmain' × 'Jonathan'. Midsummer, striped.
 280011. No. 6970. 'Gold Pearmain' × 'Jonathan'. Good quality.
 280012. No. 7060. 'Gold Pearmain' × 'Jonathan'. Very good flavor, striped.

280008 to 280018—Continued

280013. No. 7141. 'Gold Pearmain' × 'Jonathan'. Good keeping 'Jonathan' type, mildew resistant 3 years.
280014. No. 7064. 'Gold Pearmain' × 'Jonathan'. Best quality fruit, good keeping 'Jonathan' type.
280015. Mariborka No. 7065. 'Gold Pearmain × Jonathan'. Commercial selection, fruit a good keeping 'Jonathan' type, productive.
280016. No. 6327. 'Jonathan' × 'Cox'. Mildew resistant.
280017. No. 6427. 'Jonathan' × 'Cox'. Dark 'Jonathan' color, with suggestion of 'Cox' splash and spice.
280018. Priol's Delicious No. 2644. 'Lavanttaler Banana × James Grieve'. Yellow, very good quality.

280019 and 280020. VITIS (hybrids). Vitaceae.

From Great Britain. Cuttings presented by the Viticultural Research Station, Oxted-Surrey, England. Received Mar. 30, 1962.

280019. 'Wrotham Pinot'.
280020. 'Siegerrebe'.

280021. FRAGARIA (hybrid). Rosaceae. Strawberry.

From the Netherlands. Plants presented by the Institute of Horticultural Plant Breeding, Wageningen. Received Mar. 30, 1962.

'Juspa'.

280022 to 280035.

From Great Britain. Cuttings presented by the National Fruit Trials, Brogdale Farm, Faversham, Kent, England. Received Mar. 30, 1962.

280022 to 280029. MALUS (hybrids). Malaceae.

280022. 'Adams's Pearmain'.
280023. 'Allen's Everlasting'.
280024. 'Claygate Pearmain'.
280025. 'Egremont Russet'.
280026. 'Margil'.
280027. 'Old Nonpareil'.
280028. 'Orleans Reinette'.
280029. 'Pitmaston Pine Apple'.

280030 to 280035. PYRUS (hybrids). Malaceae.

280030. 'Beurre Jean van Geert'.
280031. 'Comte de Lamy'.
280032. 'Double de Guerre'.
280033. 'Gansel's Bergamot'.
280034. 'Huyshe's Victoria'.
280035. 'Parrot'.

280036 to 280039. IPOMOEA BATATAS: (L.) Lam. Convolvulaceae. Sweetpotato.

From China. Tubers presented by the Chia-Yi Agricultural Experiment Station, Taiwan. Received Apr. 3, 1962.

280036. D-49. Diploid. Stem: length, 138.5 cm., diameter, 5.3 cm.; number of branches, 12.9; flowers per plant, 338; days of flowering period, 130; root yield, 0.73 kg.; yield of green part, 0.47 kg., dry weight of chipped roots, 34 percent.

280036 to 280039—Continued

- 280037.** D-50. Diploid. Stem length, 126.5 cm.; number of branches, 9.7; flowers per plant, 170; days of flowering period, 106; root yield, 0.83 kg.; yield of green parts, 0.36 kg.; dry weight of chipped roots 32.4 percent.
- 280038.** T-49. Triploid. Stem: length, 92.8 cm., diameter, 5.2 cm.; number of branches, 8.7; flowers per plant, 16.2; days of flowering period, 62; root yield, 0.27 kg.; yield of green parts, 0.28 kg.; dry weight of chipped roots, 32 percent.
- 280039.** T-50. Triploid. Stem length, 73.6 cm.; number of branches, 7.9; number of flowers per plant, 19.6; days of flowering period, 58; root yield, 0.48 kg.; yield of green parts, 0.20 kg.; dry weight of chipped roots, 30.6 percent.

280040 to 280048.

From Turkey. Cuttings presented by the Ziraat Faklutesi, University of Ankara, Ankara. Received April 3, 1962.

- 280040.** PUNICA GRANATUM L. Punicaceae. **Pomegranate.**
No. 9. Seedless.
- 280041 to 280048.** VITIS VINIFERA L. Vitaceae. **European grape.**
- 280041.** No. 2. 'Cekirdeksiz' (Black;.
- 280042.** No. 3. 'Enfes' (Alfons).
- 280043.** No. 5. Foca Karasi' (Black).
- 280044.** No. 6. 'Humusi'.
- 280045.** No. 8. 'Misket'.
- 280046.** No. 7. 'Muskule' or 'Musule'.
- 280047.** No. 4. 'Razzaki'.
- 280048.** No. 1. 'Sultanina'.

280049. SOLANUM AVICULARE Forst. f. Solanaceae.

From the United States. Seeds presented by General Mills Incorporated, Minneapolis, Minnesota. Numbered Apr. 4, 1962.

From the Potato Introduction Station, Sturgeon Bay, Wisconsin, via the Plant Introduction Station, Glenn Dale, Md.

280050 to 280055. NICOTIANA UMBRATICA Burbidge Solanaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Apr. 4, 1962.

- 280050.** Bush. 5873. Grown under glass.
- 280051.** TS 301. From resistant plants.
- 280052.** TS 304. From resistant plants.
- 280053.** TS 304. Grown under glass.
- 280054.** TS 305. Grown at lower temperature.
- 280055.** No number. No data.

280056. PINUS THUNBERGII Parl. Pinaceae.

From Japan. Seeds presented by the Biological Institute, Ibaraki University, Mito. Received Apr. 4, 1962.

Selected for oceanside planting.

280057 and 280058. ILEX AQUIFOLIUM L. Aquifoliaceae.**English holly.**

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Richmond, Surrey, England. Received Feb. 23, 1962. Numbered Apr. 4, 1962.

280057. 'Madame Briot'.

280058. 'Longifolia'.

280059. LUFFA CYLINDRICA (L.) Roemer Cucurbitaceae.**Suakwa towelgourd.**

From the American Virgin Islands. Seeds collected by W. C. Young, Soil Conservation Service and now held at the Regional Plant Introduction Sta., Experiment, Ga. Numbered Apr. 4, 1962. Kingshill, St. Croix.

280060. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Canada. Seeds held in storage at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Apr. 4, 1962.

'Early Dwarf'. Breeding line No. 11-1-12 B 1 obtained from J. Wiebe, Vineland, Ontario. Plant determinate, to 33 cm. high and 70 cm. wide, erect, vigorous, early maturing (Aug. 8 at Geneva), heavy yielder, 4 to 5 fruits per cluster; fruit 6 by 7.3 cm., slightly flattened, severe concentric cracking, 6-loculed; flesh medium dark. Susceptible to *Alternaria tenuis* fruit spotting. A good parent for early F-1 hybrids.

280061. ZEA MAYS L. Poaceae.**Corn.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Numbered Apr. 4, 1962.

'Lancaster Surecrop'. This variety is the source of three Ohio inbred lines, Oh40B, Oh43, and Oh45.

280062 and 280063.

From Ghana. Seeds presented by the United States Agency for International Development, Mpraeso. numbered Apr. 4, 1962.

280062. *CAPSICUM* sp. Solanaceae.

'Nhyerawa' or 'Bird's Eye Pepper'. Collected near Mpraeso, Eastern Region. Cultivated.

280063. *HIBISCUS ESCULENTUS* L. Malvaceae.**Okra.**

'Early Short'. Collected near Mpraeso, Eastern Region. Cultivated.

280064. PISUM SATIVUM L. Fabaceae.**Pea.**

From the Netherlands. Seeds presented by Stichting voor Plantenveredeling, Wageningen. Received Apr. 5, 1962.

'Horal'.

280065 to 280075.

From Great Britain. Seeds presented by the Scottish Plant Breeding Station, Pentlandsfield, Roslin, Midlothian, Scotland. Received Apr. 5, 1962.

280065 to 280068. *BRASSICA OLERACEA* var. *CAPITA* L. Brassicaceae.**Cabbage.**

Frost-resistant varieties.

280065. 'Champion Late Drumhead'.

280066. 'Giant Purple Flatpoll'.

280067. 'January King'.

280068. 'Late Drumhead Savoy'.

280065 to 280075—Continued**280069 to 280075.** BRASSICA OLERACEA var. VIRIDIS L.**Kale.**

Frost resistant varieties.

280069. 'Canson'.

280070. 'Cottagers'.

280071. 'Late Thousand-Head'.

280072. 'Sutton's dwarf Curled'.

280073. 'Sutton's Extra Curled Scotch'.

280074. 'Thousand-Head'.

280075. 'Sutton's Hardy Sprouting'.

280076. PISUM SATIVUM L. Fabaceae.**Pea.**

From the Netherlands. Seeds presented by Sluis Brothers, Incorporated, Enkhuizen. Received Apr. 5, 1962.

'Eroica'. Seeds large, brown variegated.

280077. LENS CULINARIS Medic. Fabaceae.**Lentil.**

From Chile. Seeds presented by the Agency for International Development, Washington, D.C. Received Apr. 5, 1962.

'Algeria 211'. A green-seeded, rust-resistant type; from the Mediterranean area.

280078 to 280082. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received Apr. 5, 1962.

280078. No. 1. Israeli selection from Hungary. Fruit 0.75 to 1.25 kilo, early maturing; seed cavity very small; aroma poor; sugar content 6 percent.

280079. 'Ananas Yokneam'. Selection from open-pollinated population; fruit 1.5 to 2 kilos; flesh yellow cream, aroma very pleasant; sugar content 7 to 7.5 percent. Does very well under dryland conditions. Not a good shipper.

280080. 'Haogen's Honey'. Israeli selection from Hungary. Fruit 0.75 to 1.25 kilo, early maturing; aroma delicate; sugar content 9.5 percent.

280081. 'Yellow Export'. Introduced into Israel from Spain via Cyprus. Fruit 1 to 2 kilos, round; flesh white yellow; seed cavity large; little aroma; sugar content 6 percent. Fruit sweetens on storage for 3 to 4 weeks.

280082. 'Yellow Export'. Introduced into Israel from Spain via Cyprus. Fruit 1 to 2 kilos, elongate; flesh white yellow; seed cavity large; little aroma; sugar content 6 percent. Fruit sweetens on storage for 3 to 4 weeks.

280083 to 280088.

From Yugoslavia. Seeds presented by the Biological Institute, Belgrade. Received Apr. 5, 1962.

280083 and 280084. RUBUS CAESIUS L. Rosaceae.**Dewberry.**

280083. No. 3.

280084. No. 4.

280085. RUBUS HIRTUS Waldst. & Kit.

St.

280083 to 280088—Continued280086. *RUBUS PLICATUS* Weihe & Nees

No. 1.

280087 and 280088. *RUBUS* (hybrids).280087. R-1. *R. hirtus* hybrid.280088. R-3. *R. hirtus* hybrid.**280089 to 280096.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Apr. 5, 1962.

280089. *ALLIUM CAESIUM* Schrenk Liliaceae.280090. *ALLIUM FISTULOSUM* L.

Welsh onion.

280091. *ALLIUM GALANTHUM* Kar. & Kir.280092. *ALLIUM LEDEBOURIANUM* Schult. f.280093. *ALLIUM PSKEMENSE* B. Fedtsch.280094. *ALLIUM SCHOENOPRASUM* L.

Chives.

280095. *ALLIUM VICTORIALIS* L.280096. *CUCUMIS SATIVUS* L. Cucurbitaceae.

Cucumber.

Hybrid 18. From the Ukraine.

280097. ORYZA SATIVA L. Poaceae.**Rice.**

From the Philippine Islands. Seeds presented by the Department of Agriculture and Natural Resources, Manila. Received Apr. 5, 1962.

BPI-76.

280098 to 280126.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Apr. 5, 1962. Original countries of origin as indicated.

280098 to 280121. *GLYCINE JAVANICA* L. Fabaceae.

280098. CQ 358.

280099. C.P.I. 13300. Southern Rhodesia.

280100. C.P.I. 16417 Ibadan, Nigeria.

280101. C.P.I. 16673 Southern Rhodesia. (Indigenous).

280102. C.P.I. 16830. Worcester, South Africa.

280103. C.P.I. 17185. Ibadan, Nigeria.

280104. C.P.I. 17673. Gatsoma, Southern Rhodesia.

280105. C.P.I. 18103. Rio de Janeiro, Brazil.

280106. C.P.I. 18419. "Choma strain". Northern Rhodesia.

280107. C.P.I. 23411. Cuba.

280108. C.P.I. 25296. Pretoria, South Africa.

280109. C.P.I. 25333. Kenya (K 5735).

280110. C.P.I. 25421. Chilanga, Northern Rhodesia, via Mazoe, Southern Rhodesia. "Citrus strain".

280111. C.P.I. 25422. Chilanga, Northern Rhodesia via Choma.

280112. C.P.I. 25423. Northern Rhodesia.

280113. C.P.I. 25431. Limbe, Nyasaland.

280114. C.P.I. 25701. Lilongwe, Nyasaland. "South African strain".

280098 to 280126—Continued**280098 to 280121—Continued**

280115. C.P.I. 25702. Kongwa, Tanganyika.

280116. C.P.I. 25919. Kasama, Northern Rhodesia.

280117. C.P.I. 27834. Sao Paulo, Brazil.

280118. C.P.I. 27835. Sao Paulo, Brazil.

280119. C.P.I. 28230. Sao Paulo, Brazil.

280120. C.P.I. 28277. 'Nelspruit'. Marandellas, Southern Rhodesia.

280121. C.P.I. 28278. 'Norval's Special'. Marandellas, Southern Rhodesia.

280122. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**
C.P.I. 18614. Buenos Aires, Argentina. Received as *L. glauca*, a synonym.

280123. *LOTONONIS BAINESII* Baker. Fabaceae.
C.P.I. 16833. Worcester, South Africa.

280124. *PHASEOLUS ATROPURPUREUS* DC. Fabaceae.
CQ. 364. 'Sinatro A'.

280125. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard Poaceae.
C.P.I. 19921. Pretoria, South Africa.

280126. *VIGNA MARINA* (Burm.) Merr. Fabaceae.
C.P.I. 21347. Turrialba, Costa Rica.

280127. PORTULACA OLERACEA L. Portulacaceae. Purslane.

From Turkey. Seeds presented by the United States Embassy, Ankara. Received Apr. 6, 1962.

'Senizote' or Turkish Salad Plant.

280128. RHYNCHOSIA MINIMA (L.) DC. Fabaceae.

From the United States Virgin Islands. Seeds presented by the Virgin Islands Agricultural Program, Agricultural Research Service, Kingshill, St. Croix. Received Apr. 6, 1962.

280129. VICIA SATIVA L. Fabaceae. Common vetch.

From the Netherlands. Seeds presented by the Central Bureau, Nationale Cooperatieve Aan-en Verkoopvereniging voor de Landbouw, Rotterdam. Received Apr. 6, 1962.

280130 to 280133.

From British Guiana. Seeds presented by the Agency for International Development, Georgetown. Received Apr. 6, 1962.

280130. *PHASEOLUS LATHYROIDES* L. Fabaceae.

Grows as weed in fields, Central Experiment Station, Mon Repos. Plant to 4 feet high, much branched; flower velvety red.

280131. *VIGNA LUTEOLA* (Jacq.) Benth. Fabaceae.

Collected near Mon Repos. Plant climber to 31.5 feet; does well on wet, dry and very acidic soil; flowers yellow; pods to 3 inches long, black.

280132. *VIGNA VEXILLATA* (L.) A. Rich.

Growing in bermudagrass. Plant climber, to 20 feet.

280133. *VIGNA* sp.

Growing in bermudagrass in damp situation, Central Experiment Station, Mon Repos. Plant in full bloom, apparently very disease resistant.

280134 to 280196.

From the Netherlands. Plants purchased from the Old Farm Nurseries, Boskoop. Received Apr. 9, 1962.

280134. *ABIES CEPHALONICA* Loud. Pinaceae. **Greek fir.**
'Nana'. From L. Konjin & Company, Reeuwijk.

280135 to 280148. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae. **Lawson falsecypress.**
From L. Konjin & Company, Reeuwijk.

280135. 'Caudata'. **280142.** 'Maas'.

280136. 'Columnaris'. **280143.** 'Nivea'.

280137. 'Ericoides'. **280144.** 'Pendula'.

280138. 'Filiformis Erecta'. **280145.** 'Pres. Roosevelt'.

280139. 'Fletcheri Reuthe'. **280146.** 'Pulcherrima'.

280140. 'Glauca Lombarts'. **280147.** 'Triumph van Lombarts'.

280141. 'Lutea Nana'. **280148.** 'Winston Churchill'.

280149. *CHAMAECYPARIS NOOTKATENSIS* (Lambert) Spach. **Nootka falsecypress.**
'Aurea Variegata'. From L. Konjin & Company, Reeuwijk.

280150 and 280151. *CHAMAECYPARIS OBTUSA* f. *LYCOPODIODES* (Gord.) Beissner

280150. No data.

280151. 'Aurea'.

280152. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. **Hinoki falsecypress.**

'Pygmaea Aurescens'. Received as *C. obtusa pygmaea*.

280153. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae. **Common cryptomeria.**

'Globosa'. From L. Konjin & Company, Reeuwijk.

280154 to 280158. *FAGUS SYLVATICA* L. Fagaceae. **European beech.**
From the Trompenburg Pinetum, Rotterdam.

280154. 'Ansoergei'. **280157.** 'Quercifolia'.

280155. 'Interrupta'. **280158.** 'Rohani'.

280156. 'Interrupta Purpurea'.

280159. *JUNIPERUS COMMUNIS* var. *NIPPONICA* (Maxim.) Wilson Pinaceae.

From L. Konjin & Company, Reeuwijk.

280160. *JUNIPERUS COXII* A. B. Jacks.

280161 and 280162. *JUNIPERUS SABINA* L. **Savin juniper.**

280161. 'Variegata'.

280162. 'Fastigiata'. From L. Konjin & Company, Reeuwijk.

280163. *JUNIPERUS SCOPULORUM* Sargent

'Skyrocket'.

280164. *JUNIPERUS SQUAMATA* Buch.-Ham. ex Lambert

'Wilsonii'. From L. Konjin & Company, Reeuwijk.

280165. *LAVANDULA OFFICINALIS* Chaix ex Vill. Menthaceae.

'Hidcote'.

280134 to 280196—Continued

- 280166 and 280167.** LIRIODENDRON TULIPIFERA L. Magnoliaceae. **Tuliptree.**
 From the Trompenburg Pinetum, Rotterdam.
280166. 'Heltorf'.
280167. 'Medio-Picta'.
- 280168 and 280169.** PICEA ABIES (L.) Karst. Pinaceae. **Norway spruce.**
 From L. Konjin & Company, Reeuwijk.
280168. 'Acrocona'.
280169. 'Hornibrookii'.
- 280170.** PICEA GLAUCA (Moench) Voss **White spruce.**
 'Echiniformis'. From L. Konjin & Company, Reeuwijk.
- 280171.** PICEA JEZOENSIS (Sieb. & Zucc.) Carr. **Yeddo spruce.**
 'Aurea'. From L. Konjin & Company, Reeuwijk.
- 280172.** PICEA OMORIKA (Panic) Masters **Serbian spruce.**
 From L. Konjin & Company, Reeuwijk, ex Ural Mountains.
- 280173.** PICEA PUNGENS Engelm. **Colorado spruce.**
 'Glauca Otto Von Bismark'. From L. Konjin & Company, Reeuwijk.
- 280174.** PINUS CEMBRA L. Pinaceae. **Swiss stone pine.**
 'Gimborn No. II'. From L. Konjin & Company, Reeuwijk.
- 280175.** PINUS NIGRA var. AUSTRIACA (Hoess) C. Schneid.
 'Aurea'.
- 280176 and 280177.** PINUS PARVIFLORA Sieb. & Zucc. **Japanese white pine.**
280176. 'Gimborns Ideal No. I'. From L. Konjin & Company, Reeuwijk.
280177. 'Glauca'.
- 280178.** POTENTILLA FRUTICOSA L. Rosaceae. **Shrubby cinquefoil.**
 'Waltonensis'.
- 280179 and 280180.** PSEUDOTSUGA MENZIESII (Mirb.) Franco Pinaceae. **Douglas-fr.**
 From L. Konjin & Company, Reeuwijk.
280179. 'Argentea Variegata'.
280180. 'Oudemansie'.
- 280181.** QUERCUS (hybrid). Fagaceae.
Q. dentata × *Q. pontica*. From the Trompenburg Pinetum, Rotterdam.
- 280182 and 280183.** QUERCUS × HECKELII A. Camus
 From the Trompenburg Pinetum, Rotterdam.
280182. Yellow veins.
280183. Red veins.
- 280184 to 280188.** TAXUS BACCATA L. Taxaceae. **English yew.**
 From L. Konjin & Company, Reeuwijk.
280184. 'Davisie'.
280185. 'Imperialis'.
280186. 'Jacksoni'.
280187. 'Major'.

280134 to 280196—Continued**280184 to 280188—Continued**

280188. 'Nana'.
 280189. *TAXUS BACCATA* var. *ADPRESSA STRICTA* (Carriere) Beissn.
 'Stricta'. From L. Konjin & Company, Reeuwijk.
 280190. *THUJA OCCIDENTALIS* L. Pinaceae. **Arborvitae.**
 'Buchanani'. From L. Konjin & Company, Reeuwijk.
 280191. *THUJA PLICATA* D. Don **Giant arborvitae.**
 'Variegata'. From L. Konjin & Company, Reeuwijk.
 280192 and 280193. *THUJA OCCIDENTALIS* L. **Arborvitae.**
 280192. 'Recurvata'. From L. Konjin & Company, Reeuwijk.
 280193. 'Wagneriana'. From L. Konjin & Company, Reeuwijk.
 280194. *THUJA PLICATA* D. Don **Giant arborvitae.**
 'Stoneham Gold'. From L. Konjin & Company, Reeuwijk.
 280195. *TSUGA HETEROPHYLLA* (Raf.) Sarg. Pinaceae. **Western hemlock.**
 'Conica'. From L. Konjin & Company, Reeuwijk.
 280196. *ULMUS GLABRA* Mill. Ulmaceae. **Scotch elm.**
 'Nana'. From the Trompenburg Pinetum, Rotterdam.

280197 and 280198.

From Rhodesia. Seeds presented by the American Consulate General, Salisbury. Received Apr. 10, 1962.

280197. *GOSSYPIUM BARBADENSE* L. Malvaceae. **Sea island cotton.**
 Received as *G. barbadense* var. *africanum*. Selfed seed from Gatooma Research Station, S. Rhodesia.
 280198. *GOSSYPIUM BARBADENSE* var. *BRASILIENSE* (Macf.) Hutch. et al
 Open-pollinated seeds from Gatooma Research Station, S. Rhodesia.

280199 to 280206.

From Mexico. Seeds collected and presented by L. L. Phillips, North Carolina State College, Raleigh. Received Apr. 10, 1962.

280199. *GOSSYPIUM BARBADENSE* L. Malvaceae. **Sea island cotton.**
 C.B. 3574. From Jungapeo, 20 km. west of Tuxpan, Michoacan.
 280200 to 280206. *GOSSYPIUM HIRSUTUM* L. **Upland cotton.**
 280200. C.B. 3571. Larueles, 25 km. west of Zitacuaro, Michoacan.
 280201. C.B. 3572. Larueles.
 280202. C.B. 3573. Larueles.
 280203. C.B. 3575. Jungapeo.
 280204. C.B. 3576. Jungapeo.
 280205. C.B. 3577. Sea-cliff, Mazatlan, Sinaloa.
 280206. C.B. 3578. Playa Excondida, 5 km. north of Mazatlan, Sinaloa.

280207 to 280213. GOSSYPIUM (hybrids). Malvaceae.

From Egypt. Seeds presented by the Agricultural Attache, United States Embassy, Cairo. Received Apr. 10, 1962.

280207. 'Ashmouni'. Open pollinated.
 280208. 'Bahtim 163'. Open pollinated.
 280209. 'Bahtim 185'. Open pollinated. (Bahtim 185 × ?).

280207 to 280213—Continued

280210. 'Giza 47'. Open pollinated. Selection from Ashmouni.

280211. 'Menufi'. Open pollinated.

280212. Open pollinated, from breeding plots, chosen for flower and fruit characteristics.

280213. Open pollinated from breeding plots, from 'Ashmouni' type plant. Easy "shelling".

280214 to 280227.

From Greece. Seeds presented by the Extension Agriculturist, Dikea, North Evros Prefecture. Received Apr. 10, 1962.

280214 to 280218. *HELIANTHUS ANNUUS* L. Asteraceae. **Sunflower.**

280214. Agnantia village.

280215. Dikea village.

280216. Dilofos village.

280217. Lavara village.

280218. Pentalofos village.

280219 and 280220. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

280219. Dilofos village.

280220. Orestias village.

280221 to 280227. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

280221. Agnantia village.

280222. Dikea village.

280223. Dilofos village.

280224. Lavara village.

280225. Ormenion village.

280226. Pentalofos village.

280227. Petrota village.

280228 and 280229. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**

From Pakistan. Seeds presented by the East Regional Laboratories, Pakistan Council of Scientific and Industrial Research, Dacca. Received Apr. 10, 1962.

280228. 'Chaitali'.

280229. 'Falguni'.

280230 to 2802255.

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Apr. 10, 1962.

280230. *BRASSICA CARINATA* A. Br. Brassicaceae.

Col. No. 8041. In gardens at Tippi, Illubabor Province. Elevation 1,300 meters. Cabbage to 2 meters high; stalks to 25 mm. in diameter; fruiting branches to 75 cm. across; leaves mostly towards growing tip, edible; seed used for cooking oil.

280231. *CUCUMIS* cf. *PUSTULATUS* Hook. f. in Oliv. Cucurbitaceae.

Col. No. 7523. Open rocky slopes above Acachi River about 3 km. north-east of main road to Acachi, Shoa Province. Plant in wild, perennial; tap root large, parsniplike; stem prostrate, lithe; fruit nearly globose to oblong, to 35 mm. diameter, green striped when immature, yellow when ripe.

280230 to 280255—Continued

280232. *IPOMOEA CAIRICA* (L.) Sweet Convolvulaceae.

Col. No. 7771. Field at edge of thicket 7 km. north of Jimma, Kaffa Province. Elevation 1,780 meters. Plant rhizomatous, wild, creeping along surface; stem very slender, twining; flowers blue, 25 mm. across.

280233. *LEPISTEMON OWARIENSIS* (Beauv.) Hall. f. Convolvulaceae.

Col. No. 7837. Near bridge over Goggab River, Jimma-Bonga Road, 73 km. southwest of Jimma, Kaffa Province. Plant wild, vigorous twining vine; flowers yellow.

280234 to 280254. *PISUM SATIVUM* L. Fabaceae. **Pea.**

Cultivated in vicinity of Ambo, Shoa Province. Elevation 1,100 meters.

280234 to 280237. Seeds from Ambo market.

280234. Col. No. 7690. **280236.** Col. No. 7692.

280235. Col. No. 7691. **280237.** Col. No. 7693.

280238 to 280245. Seeds from Addis Ababa market.

280238. Col. No. 7694. 'Attar'. **280242.** Col. No. 7698. 'Attar'.

280239. Col. No. 7695. 'Attar'. **280243.** Col. No. 7699.

280240. Col. No. 7696. **280244.** Col. No. 7700. 'Attar'.

280241. Col. No. 7697. **280245.** Col. No. 7701. 'Attar'.

280246 and 280247. Seeds from Bonga market, Kaffa Province.

280246. Col. No. 7905.

280247. Col. No. 7906.

280248 to 280250. Tippi market, Illubabor Province. Grown at 1,300 meters under rain forest conditions.

280248. Col. No. 8028. 'Attar'.

280249. Col. No. 8029. 'Attar'.

280250. Col. No. 8030. 'Attar'.

280251 to 280254. Seeds from Ghimbi market, Wollega Province.

280251. Col. No. 8119.

280252. Col. No. 8120.

280253. Col. No. 8121.

280254. Col. No. 8122.

280255. *SOLANUM* sp. Solanaceae.

Col. No. 7542. Grows gregariously on south side of open, rocky, mountain slope near Addis Ababa, Shoa Province. Elevation 2,750 meters. Strongly spined, much branched, spreading shrub to 150 cm. high; leaves lustrous above, felted beneath; corolla spineless, to 25 mm. wide, mauve; fruit spineless, to 35 mm. diameter, yellow when ripe.

280256. *AGROPYRON SIBIRICUM* (Willd.) Beauv. Poaceae.
Siberian wheatgrass.

From Poland. Seeds presented by the Instytutu Hodowli i Aklimatyzacji Roslin, Bydgoszcz. Received Apr. 11, 1962.

280257. *PYRUS PYRIFOLIA* (Burm.) Nakai Malaceae.

From Japan. Seeds presented by the Horticultural Experiment Station, Suzaka, Nagano-ken. Received Apr. 11, 1962.

Received as *P. serotina*, a synonym.

280258 to 280261.

From Spain. Seeds procured under Public Law 480 from the Instituto de Investigaciones Agronomicas, Madrid. Received Apr. 11, 1962.

280258. HEDYSARUM HUMILE L. ex Loefl. Fabaceae.

Field No. 21.

280259. ONOBRYCHIS ARGENTEA Boiss. Fabaceae.

Field No. 3.

280260. TRIFOLIUM DUBIUM Sibth. Fabaceae.

Small hopclover.

Field No. 19.

280261. TRIFOLIUM REPENS L.

Whiteclover.

Field No. 16.

280262. SAPIUM SEBIFERUM (L.) Roxb. Euphorbiaceae.

Chinese tallowtree.

From China. Seeds presented by the College of Chemical Technology, North Dakota State University, Fargo. Received Apr. 11, 1962.

Received as *Stillingia*, from Taipei, Taiwan.

280263 to 280382.

From the United States. Plants collected from the wild and now established at the University of Alaska, Palmer, Alaska, unless otherwise noted. Numbered Apr. 12, 1962.

280263. AMELANCHIER ALNIFOLIA Nutt. ex Roemer Malaceae.

MAN 60-26. Collected at Manley Hot Springs. Now at Fairbanks.

280264. FRAGARIA (hybrid). Rosaceae.

No. 9. A Sitka hybrid.

280265 to 280273. FRAGARIA CHILOENSIS (L.) Duchesne **Chiloe strawberry.**

280265. No. 11. Hichinbrook Island, Boswell Bay.

280266. CDV 61-15. Mile 14, Copper River Highway, Cordova.

280267. CDV 61-16. Hichinbrook Island, Cordova.

280268. CDV 61-16. Mile 14, Copper River Highway, Cordova.

280269. JUN 61-24. Cutbank near Auke Lake.

280270. YAK 61-19. Mouth of Situk River, 20 miles south of Yakutat.

280271. YAK 61-20. On gravel near airport, Yakutat.

280272. YAK 61-20. Mouth of Situk River, Yakutat.

280273. YAK 61-21. On gravel near Yakutat airport.

280274 and 280275. FRAGARIA GLAUCA (S. Wats.) Rydb.

280274. BGD 61-27. Jarvis Creed near Big Delta.

280275. MAN 60-27. Collected at Manley Hot Springs. Now at Fairbanks.

280276 to 280278. MENZIESIA FERRUGINEA J. E. Smith Ericaceae.

280276. Collected 8 miles north of Seward.

280277. CDV 61-10. Collected at Cabin Road Lake, Cordova.

280278. SWD 61-4. Collected 8 miles north of Seward.

280279. POTENTILLA BIFLORA Willd. ex Schlecht. Rosaceae. **Cinquefoil.**

Collected at Cordova.

280263 to 280382—Continued

- 280280 to 280283.** *RHODODENDRON LAPPONICUM* Wahlenb. Ericaceae.
 280280. Collected at Chandalar Lake. Now at Fairbanks.
 280281. UMT 61-30. Collected at Umiat. Now at Fairbanks.
 280282. UMT 61-30 (17). Collected on lower slope, Umiat Mountain.
 280283. UMT 61-30. Collected on lower slope Umiat Mountain.
- 280284 to 280290.** *RIBES HUDSONIANUM* Richards Grossulariaceae.
 280284. CDV 61-13. Collected at moraine, Sheridan Glacier, Cordova.
 280285. CDV 61-14. Collected at moraine, Sheridan Glacier, Cordova.
 280286. FY 60-19. Collected at Old Rampart, Fort Yukon. Now at Fairbanks.
 280287. JUN 61-27. Collected at Mile 12, Juneau Highway, Juneau.
 280288. JUN 61-26. Collected at Mile 12, Juneau Highway, near Auke Bay.
 280289. VDZ 61-6. Collected 20 miles north of Valdez.
 280290. VDZ 61-8. Collected 3 miles south of Tiekel Roadhouse, Richardson Highway.
- 280291 to 280294.** *RIBES TRIESTE* Pall.
 280291. KI 60-5 (2). Collected at north end of North Kenai Road.
 280292. KI 60-5 (3). Collected at north end of North Kenai Road.
 280293. UMT 61-29. Collected on mountain slope north of Umiat airstrip.
 280294. UMT 61-31. Collected on slope of Umiat Mountain, arctic Alaska.
- 280295 and 280296.** *RUBUS ACAULIS* Michx. Rosaceae.
 280295. FY 60-18. Collected at Old Rampart, Fort Yukon. Now at Fairbanks.
 280296. TAN 60-24. Collected at Tanana. Now at Fairbanks.
- 280297 to 280299.** *RUBUS ARCTICUS* L.
 280297. CDV 61-12. Collected along Cabin Lake Road, Cordova.
 280298. CDV 61-13. Collected in Cordova townsite.
 280299. UNA 60-40.
- 280300 to 280303.** *RUBUS CHAMAEMORUS* L.
 280300. KI 60-3. Collected in vicinity of Ohlson Mountain, Kenai Peninsula.
 280301. KI 60-9. Collected at end of North Fork Road, Kenai Peninsula.
 280302. MDR 61-32. Collected along Meade Road, 60 miles south of Barrow.
 280303. VDZ 61-7. Collected at Blueberry Lake, Thompson Pass.
- 280304 to 280310.** *RUBUS IDAEUS* L. **European raspberry.**
 280304. FY 60-16. Collected at Stevens Village. Now at Fairbanks.
 280305. FY 60-17. Collected at Old Rampart, Fort Yukon. Now at Fairbanks.
 280306. FY 60-20. Collected at Fort Yukon. Now at Fairbanks.
 280307. KI 60-2. Collected along side road near Hope.
 280308. KI 60-4. Collected at end of North Kenai Road, Kenai Peninsula.

280263 to 280382—Continued**280304 to 280310—Continued**

280309. McG 60-36. Collected at McGrath.

280310. NEN 60-25. Collected at Nenana. Now at Fairbanks.

280311 and 280312. RUBUS PARVIFLORUS Nutt. Whiteflowering raspberry.

280311. JUN 61-25. Collected at Mile 12, Juneau Highway, near Auke Bay. Collected as *R. nutkanus*.

280312. JUN 61-26. Collected at Mile 12, Juneau Highway, Juneau.

280313 to 280330. RUBUS SPECTABILIS Pursh

280313. JUN 61-23. Collected at Mile 12 Juneau Highway, Auke Bay.

280314. JUN 61-24. Collected at Mile 12 Juneau Highway, Auke Bay.

280315. JUN 61-24 (11). Collected at Mile 12 Juneau Highway, Auke Bay.

280316. JUN 61-24 (12). Collected at Mile 12 Juneau Highway, Auke Bay.

280317. KOD 60-50. Collected along Millbay Road.

280318. KOD 60-52 (26). Kodiak Island.

280319. KOD 60-52 (28). Kodiak Island.

280320. KOD 60-52 (29). Kodiak Island.

280321. KOD 60-52. Collected at Anton Larsen Bay, Kodiak Island.

280322. KOD 60-52 (34). Collected at Anton Larsen Bay, Kodiak Island.

280323. KOD 60-52 (35). Collected at Anton Larsen Bay, Kodiak Island.

280324. SWD 61-1. Collected 8 miles north of Seward.

280325. VDZ 61-5. Collected on beach near old Valdez townsite.

280326. VDZ 61-8 (37). Collected on beach near old Valdez townsite.

280327. VDZ 61-8 (38). Collected on beach near old Valdez townsite.

280328. VDZ 61-8 (39). Collected on beach near old Valdez townsite.

280329. VDZ 61-8 (40). Collected on beach near old Valdez townsite.

280330. YAK 61-18. Collected 2 miles from Yakutat airport, village road.

280331. RUBUS sp.

No. 25.

280332. RUBUS sp.

KUSK 60.

280333. SORBUS SITCHENSIS Roemer Malaceae.**280334. SPIRAEA BEAUVERDIANA Schneid. Rosaceae.**

Collected at Blueberry Lake, Thompson Pass.

280335 to 280338. TSUGA MERTENSIANA (Bong.) Carr. Pinaceae. Mountain hemlock.

280335. Collected 8 miles north of Seward.

280336. CDV 61-14. Collected along Cabin Lake Road, Cordova.

280337. CDV 61-15. Collected along Cabin Lake Road, Cordova.

280338. SWD 61-5. Collected 8 miles north of Seward.

289263 to 280382—Continued

- 280339.** *VACCINIUM ALASKAENSE* Howell Vacciniaceae.
SWD 61-3. Collected 25 miles north of Seward.
- 280340 and 280341.** *VACCINIUM MEMBRANACEUM* Dougl.
280340. SWD 61-3 (7). Collected 11 miles north of Seward.
280341. SWD 61-3 (8). Collected 11 miles north of Seward.
- 280342 to 280360.** *VACCINIUM OVALIFOLIUM* Smith **Ovalleaf whortleberry.**
280342. CDV 61-9. Collected along Cabin Lake Road, Cordova.
280343. CDV 61-10 (1). Collected along Cabin Lake Road, Cordova.
280344. CDV 61-10 (4). Collected along Cabin Lake Road, Cordova.
280345. CDV 61-10 (5). Collected along Cabin Lake Road, Cordova.
280346. YAK 61-18. Collected at Mile 1, road to Yakutat.
280347. JUN 61-21. Collected at Mile 12, Juneau Highway, Auke Bay.
280348. JUN 61-22. Collected at Mile 15, Juneau Highway, Auke Bay.
280349. JUN 61-22 (2). Collected at Mile 12, Juneau Highway, Auke Bay.
280350. JUN 61-22 (6). Collected at Mile 12, Juneau Highway, Auke Bay.
280351. JUN 61-23. Collected at Mile 15, Juneau Highway, Auke Bay.
280352. KOD 60-51. Collected along Millbay Road, Kodiak Island.
280353. MAN 60-28. Collected at Manley Hot Springs. Now at Fairbanks.
280354. SWD 61-2. Collected 8 miles north of Seward.
280355. SWD 61-2 (3). Collected 8 miles north of Seward.
280356. SWD 61-2 (4). Collected 8 miles north of Seward.
280357. SWD 61-2 (5). Collected 8 miles north of Seward.
280358. SWD 61-4. Collected 3 miles from Hope Road, junction on Seward Highway.
280359. YAK 61-17. Collected 2 miles from Yakutat airport, village road.
280360. YAK 61-18. Collected at Mile 1, road to Yakutat.
- 280361 to 280380.** *VACCINIUM ULIGINOSIS* L. **Blueberry.**
280361. No. 9.
280362. No. 11.
280363. ANV 61-31. Collected at Anakuvuk Pass.
280364. CDV 61-11. Collected at Mile 20, Copper River Highway, Cordova.
280365. CDV 61-12 (8). Collected at Mile 20, Copper River Highway, Cordova.
280366. CDV 61-12 (10). Collected at Mile 20, Copper River Highway, Cordova.
280367. FY 60-21. Collected at Arctic Village. Now at Fairbanks.
280368. FY 60-22. Collected at Chandalar Lake. Now at Fairbanks.
280369. KUSK 0-49.
280370. UMT 61-28. Collected at base of Umiat Mountain.
280371. UMT 61-28. Collected at Umiat. Now at Fairbanks.

280263 to 280382—Continued**280361 to 280380—Continued**

280372. VDZ 61-6. Collected at Blueberry Lake, Thompson Pass.
 280373. VDZ 61-7. Collected 12 miles north of Tiekel Roadhouse, Richardson Highway.
 280374. VDZ 61-9 (1). Collected 24 miles north of Valdez.
 280375. VDZ 61-9 (2). Collected 24 miles north of Valdez.
 280376. VDZ 61-9 (10). Collected 24 miles north of Valdez.
 280377. VDZ 61-9 (12). Collected 24 miles north of Valdez.
 280378. VDZ 61-9 (13). Collected 24 miles north of Valdez.
 280379. VDZ 61-9 (14). Collected 24 miles north of Valdez.
 280380. YAK 61-18. Collected at Mile 1, road to Yagutat.

280381 and 280382. VACCINIUM VITIS-IDAEA L. Cowberry.

280381. MAN 60-29. Collected at Manley Hot Springs. Now at Fairbanks.
 280382. MAN 60-30. Collected at Manley Hot Springs. Now at Fairbanks.

280383 to 280399.

From the United States. Seeds collected from plants growing in the wild and now held at the University of Alaska, Palmer, Alaska. Numbered Apr. 16, 1962.

280383 to 280387. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae. Chiloë strawberry.

280383. CDV 61-16. Collected on Hichinbrook Island, Cordova.
 280384. JUN 61-24. Collected at Mile 11, Juneau Highway.
 280385. YAK 61-19. Collected at Sitak.
 280386. YAK 61-20. Collected near airport, Yakutat.
 280387. YAK 61-20. Collected along road to beach, Yakutat.

280388. RIBES HUDSONIANUM Richards Grossulariaceae.

JUN 61-26. Collected at Mile 12, Juneau Highway, near Auke Bay.

280389. RUBUS CHAMAEMORUS L. Rosaceae.

Collected at Mile 30, Chena Hot Springs Road.

280390. RUBUS PARVIFLORUS Nutt. Whiteflowering raspberry.

JUN 61-25. Collected at Mile 12, Juneau Highway.

280391 to 280393. RUBUS SPECTABILIS Pursh

280391. Collected in Cordova city.

280392. JUN 61-23. Collected at Mile 12, Juneau Highway. Red and orange fruited types.

280393. YAK 61-18. Collected at Yakutat.

280394 to 280397. VACCINIUM OVALIFOLIUM Smith Vacciniaceae. Ovalleaf whortleberry.

280394. Collected at Mile 1 from airport.

280395. JUN 61-21. Collected at Mile 12, Juneau Highway, Auke Bay.

280396. JUN 61-22. Collected at Mile 15, Juneau Highway, Auke Bay.

280397. YAK 61-17. Collected along beach road spruce forest, Yakutat.

280383 to 280399—Continued

- 280398.** *VACCINIUM OXYCOCCOS* L. **Small cranberry.**
Collected at Mile 30, Chena Hot Springs road.
- 280399.** *VACCINIUM* sp.
Collected at Mile 13, Juneau Highway, Auke Bay.

280400 to 280403.

From Israel. Budsticks presented by the Plant Introduction Service, National and University Institute of Agriculture, Rehovoth. Received Apr. 12, 1962.

280400 and 280401. *MALUS SYLVESTRIS* Mill. Malaceae.

280400. 'Anna'.

280401. 'Ein Shemer'.

280402 and 280403. *MORUS* sp. Moraceae.

280402. 'Shami'.

280403. 'Tabouri'.

280404. *MEDICAGO HEMICYCLA* Grossh. Fabaceae.

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received Apr. 16, 1962.

F.A.O. No. 10.913. Variety 16650 a. Perennial, originally from Georgia, U.S.S.R. Elevation to 1,700 meters.

280405. *PYRUS COMMUNIS* L. Malaceae.

From Great Britain. Budsticks presented by the East Malling Research Station, Kent, England. Received Apr. 17, 1962.

'Packham's Triumph B 424'.

280406. *CARICA PAPAYA* L. Caricaceae. **Papaya.**

From the Territory of New Guinea and Papua. Seeds presented by the Department of Agriculture, Stock and Fisheries, Konedobu, Port Moresby. Received Apr. 18, 1962.

280407. *POPULUS NIGRA* var. *ITALICA* Muenchh. Salicaceae.
Lombardy poplar.

From the Netherlands. Trees purchased from the Old Farm Nurseries, Boskoop. Received Apr. 19, 1962.

'Herapa'.

280408 to 280414. *HELIANTHUS ANNUUS* L. Asteraceae.
Sunflower.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Pergamino, Pergamino. Received Apr. 19, 1962.

280408. 'Vniimk No. 1646'.

280412. 'Seleccion 10 T'.

280409. 'De Simoni G-3'.

280413. 'Seleccion Klein'.

280410. 'De Simoni H-3'.

280414. 'Seleccion Massaux'.

280411. 'Manfredi Inta'.

280415. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**

From Kuwait. Seeds presented by the Public Works Department, Government of Kuwait, Arabian Gulf. Received Apr. 20, 1962. From Kuwait Market.

280416 to 280426.

From Great Britain. Seeds presented by the Plant Breeding Institute, Trumpington, Cambridge, England. Received Apr. 20, 1962.

280416 to 280425. HORDEUM VULGARE L. Poaceae.

- | | |
|--|-------------------------------------|
| 280416. HB 279/5/1/3. | 280421. 'Union'. |
| 280417. HB 281/6/5/9. | 280422. 'Vada'. |
| 280418. 'Lyallpur BS'. C1 3395. | 280423. 'Volla'. |
| 280419. 'Pirolina'. | 280424. 'Weihestephaner II'. |
| 280420. 'Proctor'. | 280425. 'Wisa'. |

280426. TRITICUM VAVILOVII (Tuman.) Jakub. ex Zhuk. Poaceae.

280427 to 280464.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Apr. 20, 1962.

280427. AVENA SATIVA L. Poaceae. **Common oats.**

No. 3707. 'Lokhovskiy'. Germany. Received as *A. sativa* var. *aurea*.

280428. AVENA SATIVA var. ARISTATA Schlecht.

No. 8257. 'Sovetskiy'. The Ukraine.

280429 to 280431. AVENA SATIVA var. MUTICA Schlecht.

280429. No. 7965. 'Pobeda'. Sweden.

280430. No. 8494. 'Orel'. Leningrad Region.

280431. No. 10790. 'L'Govskiy 1026'. Kursk Region.

280432 and 280433. FAGOPYRUM ESCULENTUM Moench Polygonaceae.

Buckwheat.

280432. No. 431. 'Bogatyr'. Orel Region, U.S.S.R.

280433. No. 3767. 'Kalininskaya'. Kalinin Region.

280434 and 280435. FAGOPYRUM SAGITTATUM Gilib.

280434. No. 3777. 'Kazanskaya'. Tataria, U.S.S.R.

280435. No. 4048. 'Satilovskaya 4'. Orel Region.

280436 to 280440. HORDEUM DISTICHON var. PALMELLA Harlan Poaceae.

Received as *H. distichon* var. *nutans*, a synonym.

280436. No. 8514. 'Viner'. Kirov Region.

280437. No. 11846. 'Europeum 353/133'. Kharkov Region.

280438. No. 16877 'Kazansky 6/4'. Kazan Region.

280439. No. 16954. 'Nutans 187'. Saratov Region.

280440. No. 16953. 'Submedicum'. Saratov Region.

280441 to 280444. HORDEUM VULGARE var. PALLIDUM Seringe

280441. No. 8306. 'Chervonetz'. Trkutsk Region.

280442. No. 13099. 'Common Mozdoksky'. North Ossetia, U.S.S.R.

280443. No. 15240. 'Dagestansky'. Dagestan, U.S.S.R.

280444. No. 16947. 'Krasnodarsky 1918'. Krasnodar Territory, U.S.S.R.

280445 to 280460. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

280445 to 280454. Spring type.

280445. No. K-8085. 'Lutescens Garnet'. Canada.

280446. No. K-15183. 'Lutescens Lutescens 62'. Saratov, U.S.S.R.

280427 to 280464—Continued**280445 to 280460—Continued****280445 to 280454—Continued**

280447. No. K-25019. 'Milturum Diamond'. Sweden.
 280448. No. K-28310. 'Albornbrum-Sarrura'. Saratov, U.S.S.R.
 280449. No. K-34705. 'Milturum 553'. Omsk.
 280450. No. K-34706. 'Albidum 3700'. Omsk.
 280451. No. K-38519. 'Graecum Moskovka'. Moscow.
 280452. No. K-38783. 'Milturum Iskra'. Chelabinsk.
 280453. No. K-41173. 'Lutescens Skala'. Trkutsk.
 280454. No. K-42154. 'Milturum Narimskaya 246'. Tomsk.

280455 to 280460. Winter type.

280455. No. K-28313. 'Erythrospermum 917'. Kharkov.
 280456. No. K-38282. 'Velutinum Stepnaya'. Voronez.
 280457. No. K-38289. 'Wheat-wheatgrass hybrid 599'. Moscow.
 280458. No. K-38441. 'Erythrospermum Odessdaya 3'. Odessa.
 280459. No. K-40645. 'Lutescens 230'. Taratov.
 280460. No. K-40651. 'Erythrospermum Skorospelka 3'. Krasnodar.

280461 to 280464. TRITICUM DURUM Desf. Durum wheat.

Spring type.

280461. No. K-11372. 'Gordeiforme Hordeiforme'. Saratov.
 280462. No. K-11375. 'Melyanopus Melanopus 69'. Saratov.
 280463. No. K-38514. 'Narodnaya Narodnaja'. Kharkov.
 280464. No. K-41604. 'Hordeiforme Kharkovskaya 46'. Kharkov.

280465 to 280483.

From Germany. Plants purchased from Herm A. Hesse, Baumschulen, Weener. Received Apr. 20, 1962.

280465. ABIES ALBA f. PENDULA (Carr.) Rehder Pinaceae.
 280466. CEDRUS DEODARA (Lamb.) Loud. Pinaceae. Deodar cedar.
 'Zwerg'.
 280467. CEDRUS LIBANII subsp. STENOCOMA (Schwarz) Davis
 280468. PICEA ABIES (L.) Karst. Pinaceae. Norway spruce.
 'Ajanensis'.
 280469 and 280470. PICEA JEZOENSIS (Sieb. & Zucc.) Carr. Yeddo spruce.
 280469. 'Aurea'.
 280470. 'Nymphenburg'.
 280471. PICEA ABIES f. ARGENTEO-SPICA (Beiss.) Rehder Pinaceae.
 280472. PICEA MARIANA (Mill.) B.S.P.
 'Beissneri'.
 280473. PICEA OMORIKA (Panic) Masters Serbian spruce.
 'Nana'.
 280474. PICEA ORIENTALIS (L.) Link Oriental spruce.
 'Nutans'.
 280475. PICEA POLITA (Sieb. & Zucc.) Carr.
 Tips pendulous.

280465 to 280483—Continued

280476. *PICEA SCHRENKIANA* Fisch. & Mey. Schrenk spruce.
 280477. *PICEA BICOLOR* (Maxim.) Mayr
 280478. *PINUS DENSIFLORA* Sieb. & Zucc. Pinaceae. Japanese red pine.
 'Pumila'.
 280479. *PINUS HELDREICHII* var. *LEUCODERMIS* (Ant.) Markgraf
 'Aureo-spicata'. Received as *P. leucodermis aureo-spicata*.
 280480. *PINUS MUGO* Turra. Swiss mountain pine.
 'Hessei'.
 280481. *PINUS CEMBRA* L. Swiss stone pine.
 'Pigmaea'.
 280482. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Pinaceae. Douglas-fir.
 'Fletcheri'.
 280483. *TSUGA MERTENSIANA* (Bong.) Carr. Pinaceae. Mountain hemlock.
 'Argentea'.

280484 to 280486.

From Canada. Plants presented by the Royal Botanical Gardens, Hamilton, Ontario. Received Apr. 23, 1962.

280484. *BUXUS SEMPERVIRENS* L. Buxaceae. Common box.
 'Woodland'.
 280485. *CERCIS GRIFFITHII* Bois. Caesalpinaceae.
 280486. *CORNUS* sp. Cornaceae.

280487 to 280531. GOSSYPIUM (hybrids). Malvaceae.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received Apr. 23, 1962. Reciprocal crosses between 'Pima S-2' and southern "Wild barbadense".

280487. SP 135. 'Pima S-2' × 'Mataco I'.
 280488. SP 136. 'Pima S-2' × 'Mataco II'.
 280489. SP 137. 'Pima S-2' × 'Mataco III' (Recip. of SP 154).
 280490. SP 138. 'Pima S-2' × 'Mataco IV' (Recip. of SP 155).
 280491. SP 139. 'Pima S-2' × 'Diaguaita V' (Recip. of SP 156).
 280492. SP 140. 'Pima S-2' × 'Diaguaita VI' (Recip. of SP 157).
 280493. SP 141. 'Pima S-2' × 'Diaguaita VII' (Recip. of SP 158).
 280494. SP 142. 'Pima S-2' × 'Diaguaita VIII'.
 280495. SP 144. 'Pima S-2' × 'Diaguaita X'.
 280496. SP 146. 'Pima S-2' × 'Guarani XI' (Recip. of SP 163).
 280497. SP 147. 'Pima S-2' × 'Guarani XII' (Recip. of SP 164).
 280498. SP 148. 'Pima S-2' × 'Guarani XIII' (Recip. of SP 165).
 280499. SP 149. 'Pima S-2' × 'Guarani XIV' (Recip. of SP 166).
 280500. SP 150. 'Pima S-2' × 'Guarani XV' (Recip. of SP 167).
 280501. SP 151. 'Pima S-2' × 'Guarani XVI' (Recip. of SP 168).
 280502. SP 154. 'Mataco III' × 'Pima S-2' (Recip. of SP 137).
 280503. SP 155. 'Mataco IV' × 'Pima S-2' (Recip. of SP 138).

280487 to 280531—Continued

280504. SP 156. 'Diaguita V' × 'Pima S-2' (Recip. of SP 139).
 280505. SP 157. 'Diaguita VI' × 'Pima S-2' (Recip. of SP 140).
 280506. SP 158. 'Diaguita VII' × 'Pima S-2' (Recip. of SP 141).
 280507. SP 159. 'Diaguita VIII' × 'Pima S-2'.
 280508. SP 163. 'Guarani XI' × 'Pima S-2' (Recip. of SP 146).
 280509. SP 164. 'Guarani XII' × 'Pima S-2' (Recip. of SP 147).
 280510. SP 165. 'Guarani XIII' × 'Pima S-2' (Recip. of SP 148).
 280511. SP 166. 'Guarani XIV' × 'Pima S-2' (Recip. of SP 149).
 280512. SP 167. 'Guarani XV' × 'Pima S-2' (Recip. of SP 150).
 280513. SP 168. 'Guarani XVI' × 'Pima S-2' (Recip. of SP 151).
 280514. SP 169. 'Coastland RN' × 'Mataco I' (Recip. of SP 186).
 280515. SP 171. 'Coastland RN' × 'Mataco III' (Recip. of SP 188).
 280516. SP 173. 'Coastland RN' × 'Guarani XI' (Recip. of SP 197).
 280517. SP 174. 'Coastland RN' × 'Guarani XII' (Recip. of SP 198).
 280518. SP 175. 'Coastland RN' × 'Guarani XIII' (Recip. of SP 199).
 280519. SP 176. 'Coastland RN' × 'Guarani XIV'.
 280520. SP 179. 'Coastland RN' × 'Diaguita V'.
 280521. SP 180. 'Coastland RN' × 'Diaguita VI'.
 280522. SP 181. 'Coastland RN' × 'Diaguita VII'.
 280523. SP 184. 'Coastland RN' × 'Diaguita X' (Recip. of SP 195).
 280524. SP 186. 'Mataco I' × 'Coastland RN' (Recip. of SP 169).
 280525. SP 188. 'Mataco III' × 'Coastland RN' (Recip. of SP 171).
 280526. SP 189. 'Mataco IV' × 'Coastland RN'.
 280527. SP 195. 'Diaguita X' × 'Coastland' (Recip. of SP 184).
 280528. SP 197. 'Guarani XI' × 'Coastland RN' (Recip. of SP 173).
 280529. SP 198. 'Guarani XII' × 'Coastland RN' (Recip. of SP 174).
 280530. SP 199. 'Guarani XIII' × 'Coastland RN' (Recip. of SP 175).
 280531. SP 201. 'Guarani XV' × 'Coastland RN'.

280532. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Germany. Tubers presented by the Max Planck Institut, Koln-Vogelsang. Received Apr. 26, 1962.

Clone 49.540/2. High resistance to leafroll virus.

280533. CITRUS SINENSIS (L.) Osbeck Rutaceae. Orange.

From Spain. Seeds presented by Celia Fuerbes, Valencia. Received Apr. 30, 1962.

From Burriana orchard.

280534 to 280544.

From Japan. Seeds presented by the Agricultural Experiment Station, Okitsu-Machi, Shizuoka-ken. Received Apr. 30, 1962.

280534. CITRUS AUREA Tanaka Rutaceae.

Local name: Kawabato-mikan.

280535. CITRUS CANALICULATA Tanaka

Local name: Kiku-dai-dai.

280534 to 280544—Continued**280536.** CITRUS FUNADOKO Tanaka

Local name: Funadoka-nikan.

280537. CITRUS MEDIOGLOBOSA Tanaka**280538.** CITRUS RUGULOSA Tanaka

Local name: At Anni.

280539. CITRUS SINOGRANDIS Tanaka

Local name: Oto mikan.

280540. CITRUS TAMURANA Tanaka

Local name: Hyuganatsu-mikan.

280541. CITRUS (hybrid).*C. oto* × *C. reticulata*.**280542.** CITRUS ASAHIKAN Tanaka**280543.** FORTUNELLA HINDSII (Champ.) Swingle Rutaceae.

Hongkong kumquat.

280544. FORTUNELLA OBOVATA Tanaka

Local name: Fukushu.

280545 to 280547. VITIS (hybrids). Vitaceae.

From France. Cuttings presented by the Station de Recherches de Viticulture, Pont-de-la-Maye. Received Apr. 30, 1962.

280545. Seyve Villard 39-522.**280546.** Seyve Villard 39-639.**280547.** Seyve Villard 46-434.**280548.** CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received May 1, 1962.

'Yellow Export'.

280549 to 280626.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 1, 1962.

280549 to 280552. ALLIUM ALTAICUM Pall. Liliaceae.**280549.** No number. Hortus Botanicus, Estonia, Tartu.**280550.** No. 327. Hortus Botanicus Arcto-Alpinus, Murmansk.**280551.** No. 755. Alma-Ata, Kazakh.**280552.** No. 1647.**280553 and 280554.** ALLIUM CEPA L.**Onion.****280553.** No. 51. 'Strigunovskij'.**280554.** No. 435. 'Margelanskij'.**280555.** ALLIUM CONDENSATUM Turcz.

Hortus Botanicus, Moscow.

280556. ALLIUM DROBOVI Vved.

No. 769. Botanical Garden, Alma-Ata, Kazakh.

280557 and 280558. ALLIUM DYCTIOPRASUM C. A. Mey. ex Kunth**280557.** Hortus Botanicus, Armenia.**280558.** Hortus Botanicus, Moscow.

280549 to 280626—Continued

- 280559 to 280563. *ALLIUM FISTULOSUM* L. Welsh onion.
 280559. Botanical Garden, Alma-Ata, Kazakh.
 280560. Hortus Botanicus, Estonia, Tartu.
 280561. No. 332. Hortus Botanicus Arcto-Alpinus, Murmansk.
 280562. No. 1514. 'Pesoenyj'.
 280563. No. 1634. 'Majskij 7'. Far East, U.S.S.R.
280564. *ALLIUM FUSCOVIOLACEUM* Fomine
 Hortus Botanicus, Armenia.
- 280565 and 280566. *ALLIUM GALANTHUM* Kar. & Kir.
 280565. Hortus Botanicus, Estonia, Tartu.
 280566. No. 772. Botanical Garden, Alma-Ata, Kazakh.
280567. *ALLIUM GLACIALE* Vved.
 No. 333. Hortus Botanicus Arcto-Alpinus, Murmansk.
- 280568 and 280569. *ALLIUM LEDEBOURIANUM* Schult. f.
 280568. No. 334. Hortus Botanicus Arcto-Alpinus, Murmansk.
 280569. No. 776. Botanical Garden, Alma-Ata, Kazakh.
- 280570 to 280571. *ALLIUM LONGICUSPIS* Regel
 280570. No. 778. Botanical Garden, Alma-Ata, Kazakh.
 280571. No. 1385. Hortus Botanicus, Moscow. (Bulbils).
280572. *ALLIUM ODORUM* L.
 No. 918. 'Dusistyj'.
280573. *ALLIUM PLATYSPATHUM* Schrenk
 No. 340. Hortus Botanicus Arcto-Alpinus, Murmansk.
- 280574 and 280575. *ALLIUM PORRUM* L. Leek.
 280574. No. 2007. Kostov Region.
 280575. No. 2078. Kostov Region.
- 280576 and 280577. *ALLIUM PSKEMENSE* B. Fedtsch.
 280576. No. 784. Botanical Garden, Alma-Ata, Kazakh.
 280577. No. 1388. Hortus Botanicus, Moscow.
- 280578 to 280580. *ALLIUM SCHOENOPRASUM* L. Chives.
 280578. Hortus Botanicus, Estonia, Tartu.
 280579. No. 1390. Hortus Botanicus, Moscow.
 280580. No. 1670. 'Snitt Sibirskij'.
280581. *ALLIUM SCORODOPRASUM* L.
 Hortus Botanicus, Estonia, Tartu.
280582. *ALLIUM SIBIRICUM* L.
 Hortus Botanicus, Estonia, Tartu.
280583. *ALLIUM SPHAEROCEPHALON* L.
 Hortus Botanicus, Moscow.
280584. *ALLIUM VAVILOVII* Popov & Vved.
 No. 791. Botanical Garden, Alma-Ata, Kazakh.
- 280585 to 280587. *ALLIUM VICTORIALIS* L.
 280585. Hortus Botanicus, Estonia, Tartu.

289549 to 280626—Continued**280585 to 280587—Continued**

280586. No. 344. Hortus Botanicus Arcto-Alpinus, Murmansk.

280587. No. 1391. Hortus Botanicus, Moscow.

280588 to 280602. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

280588. No. 1695. 'Birincekutskij'. Common tomato.

280589. No. 1721. 'Novato'. Far East, U.S.S.R. Common tomato.

280590. No. 1727. 'Alpatjeva'. Moscow Region. Tree type tomato.

280591. No. 1944. 'Anait'. Armenia, U.S.S.R. Common tomato.

280592. No. 1949. 'Krasnodarec'. Volgograd Region. Tree type tomato.

280593. No. 1969. 'Greentovj Gribovskij'. Moscow Region. Common tomato.

280594. No. 2022. 'Pecerskij'. Gorki Region. Common tomato.

280595. No. 2070. 'Delikates'. Byelorussia. Tree type tomato.

280596. No. 2162. 'Karlik'. Moscow Region. Tree type tomato.

280597. No. 2211. 'Maliutka'. The Ukraine. Common tomato.

280598. No. 2214. 'Voshod'. The Ukraine. Common tomato.

280599. No. 2217. 'Doneckij'. The Ukraine. Tree type tomato.

280600. No. 2320. 'Volgogradskij'. Volgograd Region. Tree type tomato.

280601. No. 2583. 'Kolhoznyj'. The Ukraine. Common tomato.

280602. No. 2729. 'Bukovinskij'. The Ukraine. Common tomato.

280603. PISUM ELATIUS Bieb. Fabaceae. Mediterranean pea.

No. 2524. 'Paestinicum'. Palestine.

280604 to 280626. PISUM SATIVUM L. Pea.

280604. No. 296. 'Amplissimo Local'. Saratov Region.

280605. No. 961. 'Amplissimo Local'. Trkutsk.

280606. No. 1632. 'Amplissimo Local'. Uzbekistan.

280607. No. 1827. 'Amplissimo Local'. India.

280608. No. 1881. 'Amplissimo Local'. Afghanistan.

280609. No. 2376. 'Amplissimo Local'. Georgia, U.S.S.R.

280610. No. 2759. Received as *P. abyssinicum*, a synonym.

280611. No. 4372. 'Amplissimo Viktoria Ukrainskaya'. Ukraine.

280612. No. 4456. 'Amplissimo Rannij Mozgovej'. Moscow Region.

280613. No. 4457. 'Amplissimo Borec'. Moscow region.

280614. No. 4461. 'Amplissimo Neistoscimyj'. Moscow region.

280615. No. 4464. 'Amplissimo Pobeditel'. Moscow region.

280616. No. 4603. 'Amplissimo Zazerskij'. Byelorussia.

280617. No. 4635. 'Amplissimo Hamisepp'. Estonia.

280618. No. 4637. 'Amplissimo Ovosenoj'. Estonia.

280619. No. 4654. 'Amplissimo Tygevsckij Kirju'. Estonia.

280620. No. 4885. 'Amplissimo Gorkovskij'. Gorki region.

280621. No. 4888. 'Amplissimo Spartanec'. Leningrad region.

280622. No. 5134. 'Amplissimo Rannij'. Moscow region.

280623. No. 5147. 'Amplissimo Pulavskij'. Poland.

280549 to 280626—Continued**280604 to 280626—Continued**

280624. No. 5294. 'Amplissimo Pozdnespelyj Mozgovoj'. Moscow region.

280625. No. 5303. 'Amplissimo Balva'. Latvia.

280626. No. 5503. 'Amplissimo Yjulskij'. Krasnodar Territory.

280627 to 280630.

From Poland. Seeds presented by the Department of Plant Production and Plant Protection, Ministry of Agriculture, Poznan. Received May 1, 1962.

280627. LUPINUS ANGUSTIFOLIUS L. Fabaceae.

280628. LUPINUS RETICULATUS Desv.

280629. LUPINUS PALAESTINUS Boiss.

280630. LUPINUS sp.

280631 to 280636. LAGENARIA SICERARIA (Molina) Standley Cucurbitaceae.

From the Republic of South Africa. Seeds presented by the Pretoria Horticultural Research Station, Pretoria. Received May 1, 1962.

280631. Fruit long; neck thin. **280634.** No. 19.

280632. No. 10. **280635.** No. 20.

280633. No. 11. **280636.** No. 22.

280637 to 280663.

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 2, 1962.

280637. BRASSICA INTEGRIFOLIA var. CARINATA (A. Braun) O. E. Schulz Brassicaceae.

Col. No. 7474. Cultivated with beans, cotton, and corn on west side of Acachi River. Annual, single stemmed at base, then many branched throughout to 75 cm. high; flowers bright yellow; siliques heavy, bending branches.

280638. BRASSICA NIGRA var. ABYSSINICA (L.) A. Br.

Col. No. 7436. Common in fields and edges of thickets between Debre Zeit and Moggio, 40 km. above Addis Ababa. Much-branched, coarse annual to 2 m. high; basal stem to 12 mm. thick, mustard flavored; leafy mostly towards base; flowers bright yellow.

280639. CANAVALIA ENSIFORMIS (L.) DC. Fabaceae. **Jackbean.**

Col. No. 8095. Cultivated in a dry area garden near Walkitte, 140 km. southeast of Addis Ababa, Shoa Province. Elevation 1,810 meters. Much-branched, spreading subshrub to 60 cm. high; seed edible.

280640. CASSIA FLORIBUNDA Cav. Caesalpiniaceae.

Col. No. 7729. Back of Ras Hotel, Waliso, Shoa Province. Elevation 2,100 meters. Slender, single-stemmed tree or shrub to 3 meters high; bark smooth, green.

280641. CASSIA DIDYMOBOTRYA Fres.

Col. No. 8123. Open, scrub woodland slopes, Seventh Day Adventist Mission, Ghimbie, Wollega Province. Elevation 2,000 meters. Wild, much-branched shrub; branches naked except below inflorescence; flowers bright yellow.

280637 to 280663—Continued

280642. *TORILIS ARVENSIS* (Huds.) Link Apiaceae.

Col. No. 7434. Common at field edges and around dwellings, between Debre Zeit and Moggio, 40 km. from Addis Ababa. Annual herb to 60 cm. high.

280643. *CAUCALIS INCOGNITA* Norman Apiaceae.

Col. No. 7941. Moist thicket 12 km. along Omonadda Road after Jimma turnoff northeast of Little Ghibbie River, 48 km. northeast of Jimma, Kaffa Province. Rhizomatous perennial; stems to 75 cm. long, slender.

280644. *CROTALARIA* sp. Fabaceae.

Col. No. 7968. Roadside, field-edge thicket 12 km. along Omonadda Road after Jimma turnoff northeast of Little Ghibbie River, 48 km. northeast of Jimma, Kaffa Province. Elevation 2,340 meters. Much-branched shrub to 2.3 meters high; branches spreading; flowers chartreuse, 50 mm. across.

280645. *CROTALARIA BREVIDENS* Benth.

Col. No. 8142. With *Acanthus arboreus* at beginning of shrub zone, edge of valley, one km. north of Ghimbie, Wollega Province. Annual herb in wild; branches only at the top; flowers yellow to brownish.

280646. *CROTALARIA LUKWANGULENSIS* Harms

Col. No. 7947. Edge of grain field 12 km. along Omonadda Road after Jimma turnoff northeast of Little Ghibbie River, 48 km. northeast of Jimma, Kaffa Province. Elevation 2,340 meters. Much-branched shrub in wild, to 1.6 meters; branches ascending; inflorescence terminal.

280647. *DATURA METEL* L. Solanaceae.

Hindu datura.

Col. No. 7991. In garden along road by village house one km. northwest of Teppi airport. Shrub in wild, to 1.5 meters high; stems purple; flowers double, purple on the outside, whitish on the inside.

280648. *ENTADA ABYSSINICA* Steud. ex A. Rich. Mimosaceae.

Col. No. 8155. Open slopes below Seventh Day Adventist Mission, Ghimbie, Wollega Province. Elevation 2,000 meters. Deciduous tree in wild, to 6 meters high; crown spreading; pods at ends of branches.

280649. *GLYCINE JAVANICA* subsp. *MICRANTHA* var. *MONILIFORMIS* (Hochst.) F. J. Herm. Fabaceae.

Col. No. 7725. Back of Ras Hotel, Waliso, Shoa Province. Elevation 2,100 meters. Plant in wild, twining over bushes, usually in shade.

280650. *HETEROMORPHA TRIFOLIATA* (Wendl.) Eckl. & Zeyh. Apiaceae.

Col. No. 7688. On an evergreen shrub covered, steep, northern slope, 12 km. west of Ambo, along main road west of Guder, Shoa Province. Single-stemmed shrub in wild, to 5 meters high; trunk 3 cm. diameter; bark smooth, brown; inflorescence much branched.

280651. *HIBISCUS LUDWIGII* Eckl. & Zeyh. Malvaceae.

Col. No. 7527. Dry, open, rocky slope along Acachi River, Acachi, Shoa Province. Elevation 2,100 meters. Suffruticose subshrub in wild; flowers 5 cm. diameter, yellow.

280652. *HIBISCUS CANNABINUS* L.

Kenaf.

Col. No. 7887. Open marshy sloping grassland adjacent to Omech village. Wild perennial to 2.7 meters high, sparsely branched at base; flowers white with dark purple eye.

280653. *HYPERICUM QUARTINIANUM* A. Rich. Hypericaceae.

Col. No. 7794. In a thicket along water course, 8 km. south of Jimma on Bonga Road, Kaffa Province. Elevation 1,720 meters. Shrub in wild to 2.6 meters high; crown much branched; stem sparsely branched; flowers bright yellow.

280637 to 280663—Continued

280654. *INDIGOFERA ARRECTA* Hochst. ex A. Rich. Fabaceae. **Indigo.**

Col. No. 7910. Edge of coffee plantation, Jimma Agricultural School, Jimma, Kaffa Province. Subshrub to 1 meter high, profusely branched; branches ascending.

280655. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

Col. No. 7480. In cultivated plot on west side of Acachi River. Bush type, planted broadcast; beans black.

280656. *PHOENIX RECLINATA* Jacq. Phoenicaceae. **Senegal date palm.**

Col. No. 7819. Along stream near lake 7 km. north of Jimma, Kaffa Province. Palm in wild, to 8 meters high, often gregarious; fronds to 2.5 meters long; inflorescence to 0.75 meters long; fruiting clusters to 10 kilos; fruit orange when ripe.

280657. *PIMPINELLA* sp. Apiaceae.

Col. No. 8088. From market, Jimma, Kaffa Province.

280658. *PITTIOSPORUM FEDDEANUM* Pax Pittosporaceae.

Col. No. 7611. Dry, south-facing slope along road to Mt. Zuquala, 10 km. from main road, 2 km. north of Debre Zeit, Shoa Province. Much-branched tree in wild, to 5 meters high; head round; twigs fleshy, leaves pubescent; inflorescence terminal. Plant produces much light-colored latex.

280659. *PROTEA GAGUEDII* Gmel. Proteaceae.

Col. No. 3115a. Savanna 80 km. west of Lekemti on Ghimbie Road, Wollega Province. Elevation 1,700 meters. Shrub to 3 meters high.

280660 and 280661. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

280660. Col. No. 8077. From market place Jimma, Kaffa Province. Cultivated.

280661. Col. No. 8092.

280662. *TAMARIX NILOTICA* (Ehrenb.) Bunge Tamaricaceae.

Col. No. 7587. Gravel bars along north side of Blue Nile River, 100 km. northwest of Fiche, Gojjam Province. Elevation 1,175 meters. Large shrub or small tree in wild; trunk 15 cm. diameter, much branched; flowers white.

280663. *VIGNA VEXILLATA* (L.) A. Rich. Fabaceae.

Col. No. 7801. Grassy slope, edge of forest 10 km. north of Jimma. Elevation 1,800 meters. Wild twining climber to 6 meters long, little branched; root woody fibrous, nearly vertical.

280664 to 280672.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 3, 1962.

280664. *ALLIUM ALTAICUM* Pall. Liliaceae.

From the Voronez Botanic Garden.

280665. *ALLIUM FISTULOSUM* L. **Welsh onion.**

From the Voronez Botanic Garden.

280666. *ALLIUM GALANTHUM* Kar. & Kir.

From the Voronez Botanic Garden.

280667. *ALLIUM PSKEMENSE* B. Fedtsch.

From the Voronez Botanic Garden.

280668. *ALLIUM SCORODOPRASUM* L.

From the Voronez Botanic Garden.

280664 to 280672—Continued

280669 to 280672. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

All reportedly are hybrids, moderately resistant to bacterial black spot (*Xanthomonas vesicatoria*).

280669. 'Losinoostroviskij 276'. Siberia.

280670. 'Vegetativnyi hybrid 19'. Moscow region.

280671. No. 2312. 'Sibirsky skoropelyi 1450'. Western Siberia.

280672. No. 2688. 'Alnogoplodnyi-40'. Siberia.

280673 to 280684. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Japan. Seeds presented by the Division of Phytopathology, National Institute of Agricultural Sciences, Tokyo. Received May 3, 1962.

280673. 'Aichiasahi'. **280679.** 'Norin No. 20'.

280674. 'Chokoto'. **280680.** 'Norin No. 22'.

280675. 'Ginga'. **280681.** 'Taducan'.

280676. 'Homare-nishiki'. **280682.** 'Te-tep'.

280677. 'Ishikari-shiroke'. **280683.** 'Usen'.

280678. 'Kanto No. 51'. **280684.** 'Yakeiko'.

280685. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

From Spain. Seeds presented by the United States Agency for International Development, Madrid. Received May 3, 1962.

'Secano'.

280686. *LENS CULINARIS* Medic. Fabaceae. **Lentil.**

From Egypt. Seeds procured by the Office of the Agricultural Attache, Cairo. Received May 4, 1962.

Variety 'Giza 9' from the Legume Crops Research Section, Dept. of Agriculture, Giza, Orman.

280687 to 280691. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**

From Mexico. Seeds presented by the Instituto Nacional de Investigaciones Agricolas, Mexico, D.F. Received May 4, 1962.

280687. 'Guanajuato-1'. **280690.** 'Morelos-2'.

280688. 'Guanajuato-2'. **280691.** 'Morelos-3'.

280689. 'Morelos-1'.

280692. *ZEA MAYS* L. Poaceae. **Corn.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico, D.F. Received May 4, 1962.

No. 2001. Ch-61. Cacahuacintle.

280693. *VACCINIUM MYRTILLUS* L. Vacciniaceae. **European whortleberry.**

From Poland. Seeds presented by the Schola Superior Agriculturae, Poznan. Received May 4, 1962.

280694. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received May 4, 1962.

'Pusa Ruby'.

280695 to 280700. ORYZA SATIVA L. Poaceae. Rice.

From Pakistan. Seeds presented by the East Regional Laboratory, Pakistan Council of Scientific and Industrial Research, Dacca. Received May 7, 1962.

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|----------------------------|---------------------------|
| 280695. 'Aman Parangi'. | 280698. 'Kala Aman'. |
| 280696. 'Baish Bish Aman'. | 280699. 'Khaia Aman'. |
| 280697. 'Gabura Aman'. | 280700. 'Maliu Bhangore'. |

280701 to 280710.

From countries indicated. Seeds held in storage at the United States Department of Agriculture Branch Experiment Station, Parma, Idaho. Received May 7, 1962.

280701 to 280704. DAUCUS CAROTA L. Apiaceae. Carrot.

280701. No. 4 Near Beatrise sluice, Vreeswijk, Utrecht Province, Netherlands.

280702. No. 5. Hort. Bot. Univ. Comeniana, Bratislava, Czechoslovakia.

280703. No. 9. Hort. Bot. Acad. Scientarium, Tashkent, S.S.R.

280704. No. 10. Botanika Gardens de Veterinara Universitato, Brno, Czechoslovakia.

280705. DAUCUS CAROTA var. SATIVUS DC.

No. 11. Bot. Gdn. de Vet. Univ., Brno, Czechoslovakia.

280706. DAUCUS HISPIDIFOLIUS Clos

No. 3. Coastal hills north of Concepcion, Chile.

280707. DAUCUS MAXIMUS Desf.

No. 1. Service Botanique et Agronomique de Tunisie, Ariana, Tunisia.

280708. DAUCUS MONTANUS Humb. & Bonpl. ex Schult.

No. 2. Pine covered slopes and meadows 18 miles south of Patzcuaro, Michoacan, Mexico. Elevation 9,000 feet.

280709. DAUCUS PULCHERRIMUS Koch ex DC.

No. 12. Bot. Gdn. de Vet. Univ., Brno, Czechoslovakia.

280710. ORLAYA GRANDIFLORA Hoffm. Apiaceae.

No. 8. Hort. Bot. Univ. Comeniana, Bratislava, Czechoslovakia.

280711 to 280720.

From Australia. Plants presented by the Plant Research Laboratory, Burnley Gardens, Victoria. Received May 8, 1962.

280711 to 280714. VITIS RUPESTRIS Scheele Vitaceae. Sand grape.

280711. 'Campbells'.

280713. 'Dutherglen'.

280712. 'Chambers'.

280714. 'McKnight'.

280715 to 280717. VITIS VINIFERA L. European grape.

280715. 'Golden Chasselas'.

280716. 'Waltham Cross Ray'.

280717. 'Waltham Cross Heslop'.

280718. VITIS sp.

101 × '14 Merbein'.

280719. VITIS sp.

101 × '14 Southern Cross'.

289711 to 280720—Continued

280720. *VITIS* sp.
'1202 Campbell'.

280721 to 280730.

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 8, 1962.

280721. *AMMI COPTICUM* L. Apiaceae.

Col. No. 8179. Market, Addis Ababa.

280722. *DOLICHOS LABLAB* L. Fabaceae.

Hyacinth-bean.

Col. No. 7832. Wild perennial vine at edge of field; flowers violet.

280723. *PHASEOLUS LUNATUS* L. Fabaceae.

Lima bean.

Col. No. 7813. Jimma, Kaffa Prov. Rampant perennial vine; flowers white. Used as food.

280724. *PEUCEDANUM* sp. Apiaceae.

Col. No. 7534. Wooded hillside halfway up mountain from the United States Embassy, Addis Ababa. Elevation 2,800 meters. Lithic perennial in wild, from rhizome, to 2 meters long, usually growing through and gaining support from adjacent vegetation; branches few; flowers white; fruit and flowers on same plant.

280725. *PEUCEDANUM WINKLERI* Wolff

Col. No. 7657. Wet site, western slope of crater above Lake Uanci, 25 km. south of Ambo, Shoa Province. Elevation 3,200 meters. Decumbent perennial in wild, tufted from a taproot; flowers bright yellow.

280726. *PEUCEDANUM PETITIANUM* A. Rich.

Col. No. 7672. Grassy, sunny, streambank 34 km. west of Ambo, Shoa Province. Elevation 2,490 meters. Robust, fleshy-rooted perennial in wild, to 1.5 meters high, much branched at the top.

280727. Undetermined. Apiaceae.

Col. No. 7818. Brush-covered southern exposure 7 km. north of Jimma on Addis Ababa road, Kaffa Province. Perennial in wild to 1.5 meters high; stem fistulose, to 15 mm. thick.

280728. *COLEUS* sp. Menthaceae.

Col. No. 7586. Steep, open, north-facing slope, 28 km. west of Fiche, Shoa Province. Elevation 3,050 meters. Densely tufted perennial in wild, to 38 cm. high; leaves succulent; flowers dark blue.

280729. *PSEUDARTHRIA HOOKERI* Wight & Arn. Fabaceae.

Col. No. 7899. Evergreen rain forest above Omech, Kaffa Province. Subshrub in wild to 1.5 meters high, mostly unbranched and leafless below.

280730. *TEPHROSIA ELATA* Deflers Fabaceae.

Col. No. 7909. Edge of coffee plantation, Jimma Agricultural School Farm, Kaffa Province. Subshrub in wild to 1.2 meters high, mostly unbranched at the base, branched above.

280731. *LENS CULINARIS* Medic. Fabaceae.

Lentil.

From Turkey. Seeds presented by the Agricultural Attache, United States Embassy, Ankara. Received May 8, 1962.

280732 to 280736. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Germany. Tubers presented by the Max Planck Institut, Kolnvogel-sang. Received May 9, 1962.

280732. Clone 44.1016/10. Immune to virus X.

280732 to 280736—Continued

- 280733.** Clone 59.503/5. (FN 655). Resistant to Colorado beetle (*Leptinotarsa decemlineata*).
- 280734.** Clone 59.503/6. (FN 6124). Resistant to Colorado beetle *Leptinotarsa decemlineata*.
- 280735.** Clone 59.504/15. (FN 665). Resistant to Colorado beetle, *Leptinotarsa decemlineata*.
- 280736.** Clone 59.505/13. (FN 674). Resistant to Colorado beetle, *Leptinotarsa decemlineata*.

280737 to 280817. SESAMUM INDICUM L. Pedaliaceae. Sesame.

From various sources. Seeds presented by the Texas Agricultural & Mechanical College, College Station, Texas. Received May 9, 1962.

280737 to 280739. From Israel, mature in 95 days.

280737. Strain No. B4. Plant to 37 inches high.

280738. Strain No. Y5. Plant to 44 inches high.

280739. Strain No. 64A. Plant to 30 inches high.

280740 and 280741. From Korea.

280740. 'Haenam'.

280741. 'Suwon-A'.

280742. From Mexico, without data.

280743 to 280766. From the Sudan.

280743. 'Abud Teiman'.

280744. 'Amartaba'.

280745. 'Cheparaida'.

280746. 'Dala'.

280747. 'Early Russian White'.

280748. 'Fung White'.

280749. 'Gedaref Selection'.

280750. 'Gerabin Light'.

280751. 'Gidiem'.

280752. 'Goam'.

280753. 'Goam Agbash'.

280754. 'Heavy Brown Kaffai'.

280755. 'Heavy Qui Ennahel'.

280756. 'Heavy White Kaffai'.

280757. 'Hindi'.

280758. 'Light Quarein'.

280759. 'Local Heavy Black'.

280760. 'Mafaza Light'.

280761. 'Mass Sel. Early Resistant White'.

280762. 'Medium Brown'.

280763. 'Narodei el Lebu'.

280764. 'Quarein Late Light'.

280765. 'Torit Selection'.

280766. 'Umhireihir'.

280737 to 280817—Continued

280767 to 280776. From Tanganyika, late-maturing varieties.

- 280767. Selection E. To 74 inches high.
- 280768. Selection F. To 78 inches high.
- 280769. Selection H. To 73 inches high.
- 280770. Selection L. To 75 inches high.
- 280771. Selection M. To 75 inches high.
- 280772. Selection P. To 73 inches high.
- 280773. Selection S. To 75 inches high.
- 280774. Selection 90. To 67 inches high.
- 280775. S 157/118. To 75 inches high.
- 280776. Unselected. To 75 inches high.

280777 to 280780. From Venezuela.

- 280777. 'Acarigua Sel'. 280779. 'African Var'.
- 280778. 'Acarigua Var'. 280780. 'Familiar'.

280781 to 280817. Sesamun Foundation Numbers.

- 280781. No. 81. Plants to 38 inches high, matures 8/23; stem willowy.
- 280782. No. 82. Plant to 58 inches high, matures 8/23; some capsules long.
- 280783. No. 83. Plant to 57 inches high, matures 8/23; capsules long.
- 280784. No. 84. Plant to 61 inches high, matures 8/23; capsules long.
- 280785. No. 85. Plant to 64 inches high, matures 8/17; capsules medium size, tetracarpellate, fasciated.
- 280786. No. 86. Plant to 55 inches high, matures 8/15; leaves bright green.
- 280787. No. 87. Plant to 64 inches high, matures 8/23; capsules long.
- 280788. No. 90. Plant to 67 inches high, matures 8/23; capsules medium size, tetracarpellate, fasciated.
- 280789. No. 92. Plant height and capsule length variable, matures 8/23.
- 280790. No. 93. Plant to 62 inches high, matures 8/23; capsules long.
- 280791. No. 94. Plant height and capsule length variable; matures 8/31.
- 280792. No. 95. Plant to 72 inches high, matures 8/31; capsules short.
- 280793. No. 98. Plant to 88 inches high, matures 9/10; capsule length variable.
- 280794. No. 101. Plant to 82 inches high, matures 9/10; branching variable.
- 280795. No. 103. Plant to 64 inches high, matures 8/17; branching lax.
- 280796. No. 105. Plant to 65 inches high, matures 8/23; capsules large, long, tetracarpellate, fasciated.
- 280797. No. 106. Plant to 69 inches high, matures 8/23; capsules large, very long, tetracarpellate, fasciated.
- 280798. No. 108. Plant to 72 inches high, matures 8/23; capsules short, tetracarpellate, fasciated.
- 280799. No. 109. Plant to 64 inches high, matures 8/23; capsules long, large, tetracarpellate, fasciated.
- 280800. No. 113. Plant to 66 inches high, matures 8/23; capsules long, tetracarpellate, fasciated.

280737 to 280817—Continued**280781 to 280817—Continued**

280801. No. 114. Plant to 65 inches high, matures 8/23; capsules long.
280802. No. 115. Plant to 75 inches high, matures 8/23; capsule size variable, tetracarpellate, fasciated.
280803. No. 116. Plant to 84 inches high, matures 9/2; capsules short.
280804. No. 120. Plant to 106 inches high, matures 9/12; short day type, first flower 8/8.
280805. No. 121. Plant to 80 inches high, matures 8/29; erect branching.
280806. No. 122. Plant to 94 inches high, matures 9/8.
280807. No. 124. Plant to 87 inches high, matures 9/4.
280808. No. 125. Plant to 95 inches high, matures 9/8; erect branching; capsule length variable.
280809. No. 126. Plant variable for maturity, height and branching.
280810. No. 128. Plant to 100 inches high, matures 9/12; but not tropical type.
280811. No. 132. Plant to 92 inches high, matures 9/14; late, almost tropical type.
280812. No. 133. Plant to 102 inches high, matures 9/8; late, but not tropical type.
280813. No. 134. Plant to 89 inches high, matures 9/8; like P.I. 280812, but has low branches.
280814. No. 135. Plant to 88 inches high, matures 9/8; like P.I. 280813.
280815. No. 138. Plant to 95 inches high, matures 9/12; like P.I. 280813.
280816. No. 150. Plant to 95 inches high, matures 9/10; very erect branching; indehiscent variety, Genesa-2.
280817. No. 5437. From South America, specific country unknown.

280818 to 280820.

From the United States. Plants established at the Plant Introduction Station, Miami, Florida. Numbered May 9, 1962.

280818. *GLORIOSA SUPERBA* L. Melanthiaceae. **Glorylily.**
No. 12529. Received as seeds January, 1950. Source unknown.
280819. *HIPPEASTRUM VITTATUM* (L'Her.) Herbert Amaryllidaceae.
No. 13724. Received as bulbs September 1953, from the Monona Plantation, Louisiana. Originally from Santa Cruz, Bolivia. Flowers white.
280820. *MELIA AZEDARACH* L. Meliaceae. **Chinaberry.**
No. 12530. Received as seeds January 1950. Source unknown.

280821 and 280822. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Germany. Tubers presented by the Max Planck Institut, Koln-Vogelsang. Received May 9, 1962.

280821. Clone 59.509/6. (FN 695). Resistant to Colorado beetle, *Leptinotarsa decemlineata*.
280822. Clone 59.511/11. (FN 708). Resistant to Colorado beetle, *Leptinotarsa decemlineata*.

280823. LUPINUS TRICOLOR Greene Fabaceae.

From Ecuador. Seeds purchased by the Agricultural Attache, United States Embassy, Quito. Received May 10, 1962.

280823—Continued

'Chocho'. (Altramuz). Cultivated annual in the Andes between 1,500 and 3,000 meters, optimum 3,000 meters elevation. Plants heathlike, thrives in cool temperatures, not exacting as to soil; petioles have thick nodules at base; flowers tricolored; stamens in closed tube; pod has 3 to 5 attached seeds. Used as green fertilizer, 20 to 25 kilos of seed per hectare, broadcast on well prepared soil and plowed in when plants begin to flower. Used as human food, seed planted in rows 1 meter apart, 60 to 70 cm. between plants, 6 to 7 kilos per hectare, yield 700 to 900 kilos of seed. Also planted in alternated rows with corn or as a rotation crop and on soils not fit for other crops. Seeds for food are cooked and steeped for several days to eliminate alkaloids and triterpenic alcohols.

280824. ERIANTHUS FASTIGIATUS (Steud.) Hack. Poaceae.

From New Guinea. Seeds presented by the Division of Botany, Department of Forests, Lae. Received May 10, 1962.

Collected at Zenag, Morobe. Elevation 4,000 feet.

280825 to 280830.

From Japan. Seeds presented by the Agriculture Department, Ehime University, Matuyama. Received May 10, 1962.

280825. AILANTHUS ALTISSIMA (Mill.) Swingle Simaroubaceae.

Cultivated.

280826. CAMELLIA SASANQUA Thunb. Theaceae.

Wild on Yaku island, Kiusiu. Latitude 30° N.

280827. CATALPA OVATA Don Bignoniaceae.

Japanese catalpa.

Cultivated.

280828. EUSCAPHIS JAPONICA (Thunb.) Dipp. Staphyleaceae.

In wild on Yaku island.

280829. PLATYCARYA STROBILACEA Sieb. & Zucc. Juglandaceae.

In wild.

280830. ZANTHOXYLUM SCHINIFOLIUM Sieb. & Zucc. Rutaceae.

In wild.

280831 to 280841.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 10, 1962.

280831. FAGOPYRUM SAGITTATUM Gilib. Polygonaceae.

No. 3790. Gornoshorskaya, Novosibirsk region. Erect annual to 27 by 12 inches; roots fibrous; stems reddish at base, becoming green; leaves three lobed, light green; flowers white to yellow, fading to white when dry, to 2 mm. in diameter; stamen purple.

280832 and 280833. FAGOPYRUM ESCULENTUM Moench **Buckwheat.**

Erect annual to 27 by 12 inches; roots fibrous; stems reddish at base, becoming green; leaves three lobed, light green; flowers white to yellow, fading to white when dry, to 2 mm. in diameter; stamen purple.

280832. No. 3872. Moscow region. Received as *F. tetrasagittatum*.

280833. No. 4139. Kiev region. Received as *F. tetrasagittatum*.

280834 to 280841. SECALE CEREALE var. VULGARE Koern. Poaceae.

All are winter type.

280834. No. 9366. 'Falenskaya'. Kirov region.

280835. No. 9367. 'Viatka'. Kirov region.

280831 to 280841—Continued**280834 to 280841—Continued**

280836. No. 9372. 'Omka'. Omsk region.
 280837. No. 9394. 'Volzanka'. Saratov region.
 280838. No. 9396. 'Saratorskaya'. Saratov region.
 280839. No. 9441. 'Viatka 2'. Kirov region.
 280840. No. 9452. 'Lisicyna'. Orel region.
 280841. No. 9453. 'Novozybkovskaya'. Bryansk region.

280842 and 280843.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received May 10, 1962.

280842. CIENFUGOSIA DRUMMONDII Lewton Malvaceae.
 CGE SP 62.

280843. CIENFUGOSIA sp.

280844 to 280849. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Paraguay. Seeds presented by the Ministerio de Agricultura y Ganaderia, Encarnacion, through the Agency for International Development. Received May 10, 1962.

280844. 'Bandeirante' × 'Yaqui Re' × 'Jhiaveva'. II66 13E-3E-1E.
 280845. 'Mescla'.
 280846. S(Gb(K-U)) II-31-2E 1E-1E-3E.
 280847. S(Gb-K-U) II-31-2E-1E 2E-1E.
 280848. S(Gb K-U) II-312E-1E-1 2E.
 280849. S(Gb-K-U) II-31-2E-1E 1E-5E.

280850 to 280853. ZEA MAYS L. Poaceae.**Corn.**

From the United States. Seeds presented by the Agronomy Department, College of Agriculture, University of Wisconsin, Madison. Numbered May 11, 1962.

280850. Composite, late. Selections of up to 30 open-pollinated, wide-spread, but unrecorded, midwestern (Illinois, Michigan, Minnesota, South Dakota, Wisconsin) varieties of 20 years ago.
 280851. Composite, midseason. Selection of up to 30 open-pollinated, wide-spread, but unrecorded, midwestern (Illinois, Michigan, Minnesota, South Dakota, Wisconsin) varieties of 20 years ago.
 280852. 'Golden Glow'. (Wisconsin No. 12). Open-pollinated selection maintained by the Wis. Agr. Exp. Sta., and principal yellow dent variety grown in southern Wisconsin before the advent of hybrid corn.
 280853. 'Silver King'. (Wisconsin No. 7). Open-pollinated main white dent variety grown in southern Wisconsin.

280854. THEMEDA AUSTRALIS (R. Br.) Stapf Poaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 11, 1962.

Collected at Katherine, North Territory.

280855. TETRACERA COWLEYANA F. M. Bailey Dilleniaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 11, 1962.

North Queensland vine, on rain forest edge.

280856. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Brazil. Seeds presented by Wolf Wessling, Fazenda Pagador, Presidente Prudente, São Paulo. Received May 14, 1962.

'Paraguay White'.

280857 to 280859. MENTHA (hybrids). Menthaceae.

From Japan. Plants presented by the Agricultural Attache, United States Embassy, Tokyo. Received May 15, 1962.

M. crispa × *M. arvensis*.

280857. 34-87.

280858. 34-112. High menthol.

280859. 34-115.

280860. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Guatemala. Seeds presented by Hugh Craggs, Guatemala City. Received May 15, 1962.

280861. DOLICHOS LABLAB L. Fabaceae. Hyacinth-bean.

From Kenya. Seeds presented by the Department of Agriculture, Nairobi. Received Aug. 29, 1958. Numbered May 15, 1962.

K-51167.

280862. RHYNCHOSIA PHASEOLOIDES (Sw.) DC. Fabaceae.

From Mexico. Seeds presented by C. Halbinger, "El Troquel". Received Oct. 15, 1956. Numbered May 15, 1962.

Originally from Argentina.

280863 to 281263. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From the Netherlands. Seeds presented by the Institut Veredeling Landbouwgewassen, Wageningen. Received May 15, 1962.

Plant material collected in the wild, except as noted. The numbers and code, other than P.I. numbers, are Wageningen Potato Collection (W.A.C.) numbers.

280863 to 280984. Clones collected in the northern Argentine-southern Bolivia area.

280863. No. 27.

280864. No. 32.

280865. No. 35.

280866. No. 37.

280867. No. 59.

280868. No. 63.

280869. No. 64.

280870. No. 65.

280871. No. 70.

280872. No. 95.

280873. No. 97.

280874. No. 100.

280875. No. 101.

280876. No. 102.

280877. No. 117.

280878. No. 126.

280879. No. 128.

280880. No. 129.

280881. No. 130.

280882. No. 131.

280883. No. 142.

280884. No. 148. Highly resistant to *Fusarium coeruleum*.

280885. No. 155.

280886. No. 156.

280887. No. 160.

280888. No. 1004.

280889. No. 10008.

280890. No. 1025 B I.

280891. No. 1028 A.

280863 to 281263—Continued

280863 to 280984—Continued

- 280892. No. 1048.
- 280893. No. 1106 A.
- 280894. No. 1111.
- 280895. No. 1113 II.
- 280896. No. 1115 I.
- 280897. No. 1118.
- 280898. No. 1134.
- 280899. No. 1151 B.
- 280900. No. 1155 B.
- 280901. No. 1159 A.
- 280902. No. 1160 B.
- 280903. No. 1168.
- 280904. No. 1187 A.
- 280905. No. 1194.
- 280906. No. 1196 B II.
- 280907. No. 1203 A.
High dry matter content.
- 280908. No. 1206.
- 280909. No. 1207 A II.
- 280910. No. 1207 B II.
- 280911. No. 1209. Sugar content
over one percent, reducing
sugar 0.5 percent or more.
- 280912. No. 1218.
High dry matter content.
- 280913. No. 1220.
- 280914. No. 1223.
- 280915. No. 1225 A.
- 280916. No. 1234 A.
- 280917. No. 1238 A.
- 280918. No. 1257 B.
- 280919. No. 1257 B II.
- 280920. No. 1270 B.
- 280921. No. 1291.
- 280922. No. 1295.
- 280923. No. 1303.
- 280924. No. 1305 II.
- 280925. No. 1308 I.
- 280926. No. 1312.
- 280927. No. 1318-1.
- 280928. No. 1322 A.
- 280929. No. 1328.
- 280930. No. 1336-2.

- 280931. No. 1352.
High dry matter content.
- 280932. No. 1359.
- 280933. No. 1369-1.
- 280934. No. 1379 pl. 2.
- 280935. No. 1382-1.
- 280936. No. 1384 pl. 2.
High dry matter content.
- 280937. No. 1385-2.
- 280938. No. 1405.
- 280939. No. 1408 pl. 2.
- 280940. No. 1418-2.
- 280941. No. 1425.
- 280942. No. 1426 a.
- 280943. No. 1429 pl-1.
- 280944. No. 1436 pl. 2.
- 280945. No. 1437 a.
- 280946. No. 1437 B I.
- 280947. No. 1438 pl. 2.
- 280948. No. 1441.
- 280949. No. 1442-2.
- 280950. No. 1444 pl-1.
- 280951. No. 1444 pl. 2.
- 280952. No. 1445 pl-1.
- 280953. No. 1445 pl-2.
- 280954. No. 1445.
- 280955. No. 1450 pl. 2.
- 280956. No. 1457 B pl. 1.
- 280957. No. 1458 pl. 2.
- 280958. No. 1463. Sugar content
over one percent, reducing
sugar 0.5 percent or more.
- 280959. No. 1466-2.
- 280960. No. 1468 pl. 2.
- 280961. No. 1471.
- 280962. No. 1474.
- 280963. No. 1475 pl. 1.
- 280964. No. 1476.
- 280965. No. 1478 A-1.
- 280966. No. 1478-B.
- 280967. No. 1482.
- 280968. No. 1487-2.
- 280969. No. 1495.

280863 to 281263—Continued**280863 to 280984—Continued**

280970. No. 1499 pl. 2.	280978. No. 1534-1.
280971. No. 1499 pl. 1.	280979. No. 1566 pl. 1.
280972. No. 1505.	280980. No. 1566 pl. 2.
280973. No. 1506.	280981. No. 1566. High dry matter content.
280974. No. 1508-2.	280982. No. 1568 pl. 1.
280975. No. 1509 pl. 1.	280983. No. 1571.
280976. No. 1529.	280984. No. 1573.
280977. No. 1530 pl. 1.	

280985 to 281023. Clones collected in Bolivia.

280985. No. 792.	281005. No. 762.
280986. No. 706.	281006. No. 764.
280987. No. 709.	281007. No. 766.
280988. No. 710.	281008. No. 767.
280989. No. 715.	281009. No. 770.
280990. No. 719.	281010. No. 773.
280991. No. 722.	281011. No. 774.
280992. No. 723.	281012. No. 775.
280993. No. 732.	281013. No. 793.
280994. No. 734.	281014. No. 810. Low total sugars.
280995. No. 735.	281015. No. 814.
280996. No. 737.	281016. No. 819.
280997. No. 739. Low total sugars.	281017. No. 822.
280998. No. 741.	281018. No. 825.
280999. No. 742.	281019. No. 826.
281000. No. 745.	281020. No. 829.
281001. No. 747.	281021. No. 837. High dry matter content.
281002. No. 751.	281022. No. 845.
281003. No. 757. Low total sugars.	281023. No. 849.
281004. No. 758.	

281024 to 281032. Clones collected in La Paz, Bolivia, markets.

281024. No. 407. Belen.	281028. No. 430. Oruro. Low total sugar content.
281025. No. 409. Belen. Low total sugar content.	281029. No. 431. Oruro.
281026. No. 419. Belen.	281030. No. 436. Oruro.
281027. No. 421. Oruro.	281031. No. 438. Oruro.
	281032. No. 440. Oruro.

281033 to 281037. Clones collected in Mexico.

281033. No. 910. Low total sugar content.	281035. No. 912. High dry matter content.
281034. No. 911.	281036. No. 1599.
	281037. No. 1600.

280863 to 281263—Continued

281038 to 281260. Clones collected in Peru.

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| 281038. No. 5. Anch. | 281075. No. 247. Kcaira. |
| 281039. No. 6. Anch. | 281076. No. 248. Kcaira. |
| 281040. No. 7. Anch. | 281077. No. 253. Kcaira. Highly
resistant to <i>Fusarium</i>
<i>coeruleum</i> . |
| 281041. No. 8. Anch. | 281078. No. 254. Kcaira. |
| 281042. No. 10. Anch. | 281079. No. 256. Kcaira. |
| 281043. No. 11. Anch. | 281080. No. 258. Kcaira. Highly
resistant to <i>Fusarium</i>
<i>coeruleum</i> . |
| 281044. No. 14. Anch. | 281081. No. 259. Kcaira. |
| 281045. No. 167. Cantha. | 281082. No. 260. Kcaira. |
| 281046. No. 168. Cantha. | 281083. No. 262. Kcaira. |
| 281047. No. 169. Cantha. | 281084. No. 263. Kcaira. |
| 281048. No. 172. Cantha. | 281085. No. 267. Kcaira. |
| 281049. No. 173. Cantha. | 281086. No. 268. Kcaira. |
| 281050. No. 179. Cantha. | 281087. No. 269. Kcaira. |
| 281051. No. 183. Cantha. | 281088. No. 272. Kcaira. |
| 281052. No. 184. Cantha. | 281089. No. 273. Kcaira. |
| 281053. No. 188. Casabl. | 281090. No. 280. Kcaira. |
| 281054. No. 189. Casabl. | 281091. No. 281. Kcaira. |
| 281055. No. 191. Tarma. | 281092. No. 282. Kcaira. Highly
resistant to <i>Fusarium</i>
<i>coeruleum</i> . |
| 281056. No. 192. Tarma. | 281093. No. 286. Kcaira. |
| 281057. No. 194. Tarma. | 281094. No. 288. Kcaira. |
| 281058. No. 195. Tarma. | 281095. No. 292. Kcaira. |
| 281059. No. 198. Tarma. Very
highly resistant to <i>Fusarium</i>
<i>coeruleum</i> . | 281096. No. 294. Kcaira. |
| 281060. No. 206. Tarma. | 281097. No. 296. Yabar (Cuzco). |
| 281061. No. 208. Chinchero. | 281098. No. 304. Lima market. |
| 281062. No. 210. Chinchero, near
Cuzco. Very highly resistant to
<i>Fusarium coeruleum</i> . | 281099. No. 310. Lima. |
| 281063. No. 212. Chinchero. | 281100. No. 312. Lima. |
| 281064. No. 215. Chinchero. | 281101. No. 313. Lima. |
| 281065. No. 216. Chinchero. | 281102. No. 317. Lima. |
| 281066. No. 217. Chinchero.
Highly resistant to <i>Fusarium</i>
<i>coeruleum</i> . | 281103. No. 320. Lima. |
| 281067. No. 228. Chinchero. | 281104. No. 323. Lima. |
| 281068. No. 237. Cuzco. | 281105. No. 325. Lima. |
| 281069. No. 238. Cuzco. | 281106. No. 333. Lima. |
| 281070. No. 240. Kcaira. | 281107. No. 336. Ocallama.
Highly resistant to <i>Fusarium</i>
<i>coeruleum</i> . |
| 281071. No. 242. Kcaira.
Exp. Farm near Cuzco. | 281108. No. 338. Ocallama. |
| 281072. No. 244. Kcaira. | 281109. No. 342. Ocallama. |
| 281073. No. 245. Kcaira. | 281110. No. 345. Rarga Pata. |
| 281074. No. 246. Kcaira. | |

280863 to 281263—Continued

281038 to 281260—Continued

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| 281111. No. 350. Rarga Pata. | 281142. No. 485. |
| 281112. No. 354. Rarga Pata.
High dry matter content. | 281143. No. 487. |
| 281113. No. 355. Rarga Pata. | 281144. No. 488. |
| 281114. No. 356. Rarga Pata. | 281145. No. 489. |
| 281115. No. 361. Rarga Pata. | 281146. No. 494. |
| 281116. No. 363. Rarga Pata. | 281147. No. 498. |
| 281117. No. 364. Rarga Pata. | 281148. No. 500. Highly resistant
to <i>Fusarium coeruleum</i> . |
| 281118. No. 366. Rarga Pata. | 281149. No. 504. |
| 281119. No. 370. Puno. Highly
resistant to <i>Fusarium
coeruleum</i> . | 281150. No. 506. |
| 281120. No. 371. Puno. | 281151. No. 508. |
| 281121. No. 373. Puno.
High dry matter content. | 281152. No. 510. Very highly
resistant to <i>Fusarium
coeruleum</i> . |
| 281122. No. 376. Puno.
High dry matter content. | 281153. No. 511. |
| 281123. No. 377. Puno. Very
highly resistant to <i>Fusarium
coeruleum</i> . | 281154. No. 512.
Low total sugar content. |
| 281124. No. 379. Puno. | 281155. No. 519. |
| 281125. No. 385. Puno. Very
highly resistant to <i>Fusarium
coeruleum</i> . | 281156. No. 520. |
| 281126. No. 390. Puno. | 281157. No. 521. |
| 281127. No. 396. Puno. | 281158. No. 522. |
| 281128. No. 399. Puno.
Low total sugar content. | 281159. No. 524. |
| 281129. No. 401. Puno. | 281160. No. 525. |
| 281130. No. 402. Puno.
Low total sugar content. | 281161. No. 526. |
| 281131. No. 448. Highly resistant
to <i>Fusarium coeruleum</i> . | 281162. No. 527. |
| 281132. No. 452. | 281163. No. 529. |
| 281133. No. 456. | 281164. No. 530. |
| 281134. No. 457. | 281165. No. 532. |
| 281135. No. 464. | 281166. No. 535. |
| 281136. No. 472. Highly resistant
to <i>Fusarium coeruleum</i> . Sugar
content over one percent, reduc-
ing sugar 0.5 percent or more. | 281167. No. 538. |
| 281137. No. 474. | 281168. No. 539. |
| 281138. No. 475. | 281169. No. 541. |
| 281139. No. 477. Highly resistant
to <i>Fusarium coeruleum</i> . | 281170. No. 542. |
| 281140. No. 482. | 281171. No. 543. |
| 281141. No. 484. | 281172. No. 545. |
| | 281173. No. 550. |
| | 281174. No. 551. |
| | 281175. No. 557. |
| | 281176. No. 558. Highly resistant
to <i>Fusarium coeruleum</i> . |
| | 281177. No. 562. |
| | 281178. No. 563. |
| | 281179. No. 564. |

280863 to 281263—Continued**281038 to 281260—Continued**

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| 281180. No. 570. | 281205. No. 622. |
| 281181. No. 572. | 281206. No. 624. |
| 281182. No. 573. | 281207. No. 625. |
| 281183. No. 578. | 281208. No. 633. Highly resistant
to <i>Fusarium coeruleum</i> . |
| 281184. No. 579. | 281209. No. 637. |
| 281185. No. 583. Very highly
resistant to <i>Fusarium</i>
<i>coeruleum</i> . | 281210. No. 638. |
| 281186. No. 584. Very highly
resistant to <i>Fusarium</i>
<i>coeruleum</i> . | 281211. No. 640. |
| 281187. No. 585. | 281212. No. 644. |
| 281188. No. 589. | 281213. No. 645. |
| 281189. No. 590. | 281214. No. 646. |
| 281190. No. 592. | 281215. No. 649. |
| 281191. No. 596. | 281216. No. 650. |
| 281192. No. 598. | 281217. No. 651. Very highly
resistant to <i>Fusarium</i>
<i>coeruleum</i> . |
| 281193. No. 599. | 281218. No. 657. |
| 281194. No. 600. | 281219. No. 659. |
| 281195. No. 603. | 281220. No. 661. Very highly
resistant to <i>Fusarium</i>
<i>coeruleum</i> . |
| 281196. No. 605. | 281221. No. 662. |
| 281197. No. 606. | 281222. No. 663. |
| 281198. No. 607. | 281223. No. 664. |
| 281199. No. 610. | 281224. No. 666. |
| 281200. No. 613. | 281225. No. 669. |
| 281201. No. 615. | 281226. No. 671. |
| 281202. No. 616. | 281227. No. 688. |
| 281203. No. 618. | 281228. No. 692. |
| 281204. No. 619. | 281229. No. 693. |

281230 to 281260. Intervarietal hybrids.

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| 281230. No. 855. | 281240. No. 873. |
| 281231. No. 856. | 281241. No. 876. |
| 281232. No. 861.
Low total sugar content. | 281242. No. 879. |
| 281233. No. 863. | 281243. No. 880. |
| 281234. No. 864. | 281244. No. 881. |
| 281235. No. 865. | 281245. No. 882. |
| 281236. No. 866. | 281246. No. 885. |
| 281237. No. 868. | 281247. No. 886. |
| 281238. No. 871. | 281248. No. 887. |
| 281239. No. 872.
Low total sugar content. | 281249. No. 889. |
| | 281250. No. 890. |

281276 to 281287—Continued**281038 to 281260—Continued****281230 to 281260—Continued**

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| 281251. No. 891. | 281256. No. 905. |
| 281252. No. 895. | 281257. No. 906. |
| 281253. No. 898.
Low total sugar content. | 281258. No. 915. Carabl. |
| 281254. No. 899. | 281259. No. 935. Ochoa. |
| 281255. No. 901. | 281260. No. 936. Ochoa. |

281261 to 281263. Interspecific crosses made in the Netherlands; received as hybrids of *S. andigenum* resistant to strain A of *Heterodera rostochiensis* with *S. tuberosum* varieties.

281261. No. 403 × Prof. Broekema.
 281262. No. 720 × Prof. Broekema.
 281263. No. 756 × Prof. Broekema.

281264 to 281275.

From Great Britain. Plants presented by Hillier & Sons, Winchester, Hants, England. Received May 15, 1962.

281264. *ABIES PINDROW* var. *BREVIFOLIA* Dall & Jacks. Pinaceae.
 281265. *CEDRUS BREVIFOLIA* (Hook. f.) Henry Pinaceae.
 'Horizontalis'.
 281266. *CEDRUS DEDODARA* (Lamb.) Loud. Pinaceae. Deodar cedar.
 'Procumbens'.
 281267. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae. Lawson falsecypress.
 'Caudata'.
 281268 and 281269. *CUPRESSUS MACROCARPA* Hartw. Pinaceae.
 281268. 'Globosa'.
 281269. 'Pendula'.
 281270. *CUPRESSUS MACROCARPA* f. *PYGMAEA* A. B. Jackson
 281271. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.
 'Phyllicoides'.
 281272. *PICEA ABIES* f. *VIRGATA* (Jacques) Rehder
 281273. *PICEA SPINULOSA* Beissn.
 281274. *PINUS NIGRA* f. *PYGMAEA* (Carr.) Rehder Pinaceae. Austrian pine.
 281275. *PSEUDOTSUGA* sp. Pinaceae.
281276 to 281287. *ORYZA SATIVA* L. Poaceae. Rice.
 From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received May 16, 1962.
 281276. 'Chia-nan 8'. Original stock.
 281277. 'Chia-nan 8'. Treated with hot neutrons for 20 hours.
 281278. 'Kaohsiung 27'. Original stock.
 281279. 'Kaohsiung 27'. Yellow green.
 281280. 'Kaohsiung 27'. Treated with hot neutrons for 20 hours.
 281281. 'Kaohsiung 27'. Treated with 25,000 r., X-rays.

281297 to 281445—Continued

281282. 'Purple Rice 7102'.
 281283. 'Purple Rice Nagao N-45'.
 281284. 'Taichung 65'. Original stock.
 281285. 'Taichung 65'. Light green.
 281286. 'Taichung 65'. Tetraploid.
 281287. 'Taichung 65'. Treated with hot neutrons for 15 hours.

281288. DESMODIUM CINERASCENS Gray Fabaceae.

From the United States. Seeds presented by the University of Arizona Plant Materials Center, Tucson. Received Feb. 28, 1958. Numbered May 16, 1962.

281289 to 281296.

From the British West Indies. Seeds presented by the Royal Botanic Garden, Hope, Jamaica. Received April 15, 1959. Numbered May 16, 1962.

281289. *DESMODIUM AXILLARE* (Sw.) DC. Fabaceae.
 281290. *DESMODIUM CANUM* (Gmel.) Schinz & Thell. **Kaimi-clover.**
 281291. *DESMODIUM GANGETICUM* (L.) DC.
 281292. *DESMODIUM GYRANS* (L. f.) DC. **Telegraph-plant.**
 281293. *DESMODIUM INTORTUM* (Mill.) Urb.
 281294. *DESMODIUM SCOPIRUS* Desv.
 281295. *DESMODIUM SPIRALE* (Swartz) DC.
 281296. *DESMODIUM TRIFLORUM* (L.) DC.

281297 to 281445.

From countries indicated. Seeds presented by Paul G. Smith, Department of Vegetable Crops, University of California, Davis, California. Numbered May 16, 1962.

From Argentina.

- 281297 to 281299. *CAPSICUM ANNUM L.* Solanaceae. **Pimento.**
 281297. No. 1251. Buenos Aires.
 281298. No. 1760. 'Pimantero'. Mendoza.
 281299. No. 1781. San Juan Province.
 281300. *CAPSICUM PENDULUM* Willd.
 No. 1755 'Cristal'. Mendoza.

From Bolivia.

281301. *CAPSICUM ANNUM L.* **Pimento.**
 No. 1859. San Ignacio de Velasco, Santa Cruz.
 281302 to 281304. *CAPSICUM CHINENSE* Jacq.
 281302. No. 1541. Rurrenabuque, Rio Beni.
 281303. No. 1554. Todos Santos, Cochabamba.
 281304. No. 1555. Todos Santos, Cochabamba.
 281305. *CAPSICUM SINENSE* Jacq. **Pepper.**
 No. 1556. Todos Santos, Cochabamba.
 281306. *CAPSICUM MICROCARPUM* Cav.
 No. 1553. Todos Santos, Cochabamba.

281297 to 281445—Continued

281307 and 281308. CAPSICUM PENDULUM Willd.

281307. No. 1792. Valle Grande, Florida.

281308. No. 1857. San Ignacio de Velasco, Santa Cruz.

From Brazil.

281309 to 281313. CAPSICUM PENDULUM Willd.

281309. No. 1232. 'Comari'. Pelotas, Rio Grande do Sul.

281310. No. 1233. 'Hot Pepper'. Pelotas, Rio Grande do Sul.

281311. No. 1871. 'Chifre de Veado'. Campinas.

281312. No. 1874. 'Sertaozinho'. Campinas.

281313. No. 1955. Vicosa.

From British Guiana.

281314. CAPSICUM CHINENSE Jacq.

No. 1266.

281315. CAPSICUM SINENSE Jacq.

No. 1269.

From the British West Indies.

281316. CAPSICUM ANNUM L.

No. 1557. Trinidad.

281317. CAPSICUM SINENSE Jacq.

No. 1947. Trinidad.

From Chile.

281318. CAPSICUM ANNUM L.

No. 1513. Commercial import.

281319. CAPSICUM CHINENSE Jacq.

No. 1515. Commercial import.

281320 and 281321. CAPSICUM PENDULUM Willd.

281320. No. 1244. 'Aji cristal'. Santiago.

281321. No. 1517. Commercial import.

From Colombia.

281322. CAPSICUM ANNUM L.

No. 1750. 'Aji Chiquito'. Garogoa.

281323 and 281324. CAPSICUM FRUTESCENS L.

281323. No. 1531. 'Aji Chico'. Tolu, Bolivar.

281324. No. 1864. Paicol, Huila.

281325. CAPSICUM CHINENSE Jacq.

No. 1795. 'Regina de Flores'. Mariquita, Tolema.

281326. CAPSICUM SINENSE Jacq.

No. 1797. 'Aji Guateque'. Boyaca.

281327. CAPSICUM CHINENSE Jacq.

No. 1865. Paicol, Huila.

Pepper.

Pimento.

Pepper.

Pimento.

Pimento.

Redpepper.

Pepper.

281297 to 281445—Continued

From Costa Rica.

281328 to 281330. CAPSICUM ANNUM L. **Pimento.**

281328. No. 981. Wild. Turrialba.

281329. No. 985. Turrialba.

281330. No. 1511. Wild. Turrialba.

281331. CAPSICUM CHINENSE Jacq.
No. 910. Turrialba.**281332 to 281336.** CAPSICUM FRUTESCENS L. **Redpepper.**

281332. No. 978. Turrialba. 281335. No. 983. Turrialba.

281333. No. 979. Turrialba. 281336. No. 1246. La Florida.

281334. No. 982. Turrialba.

281337. CAPSICUM PENDULUM Willd.
No. 980. Turrialba.

From Ecuador.

281338. CAPSICUM CHINENSE Jacq.
No. 1946.**281339 and 281340.** CAPSICUM PENDULUM Willd.

281339. No. 921. El Topo.

281340. No. 974. Tunguraqua.

From El Salvador.

281341. CAPSICUM ANNUM L. **Pimento.**
No. 988.

From Ethiopia.

281342. CAPSICUM ANNUM L. **Pimento.**
No. 1824. 'Ethiopian Hot'.

From Guatemala.

281343 and 281344. CAPSICUM ANNUM L. **Pimento.**

281343. No. 909. Guatemala City.

281344. No. 957. Antigua.

281345. CAPSICUM FRUTESCENS L. **Redpepper.**
No. 987. Tamalero.

From India.

281346 and 281347. CAPSICUM FRUTESCENS L. **Redpepper.**

281346. No. 1879. 'Kandari'. Malabar.

281347. No. 1881. Lachnar, Bagaar.

From Iran.

281348 to 281352. CAPSICUM ANNUM L. **Pimento.**

281348. No. 1949. 281351. No. 1952.

281349. No. 1950. 281352. No. 1953.

281350. No. 1951.

From Mariana Islands.

281353. CAPSICUM FRUTESCENS L. **Redpepper.**
No. 965. Saipan.

281297 to 281445—Continued

From Mexico.

281354 to 281391. *CAPSICUM ANNUM L.***Pimento.**

281354. No. 907. 'Chili Piquin'. Nogales.
 281355. No. 959.
 281356. No. 961. 'Mirasol'. Orizaba Valley.
 281357. No. 962.
 281358. No. 964. Juaresmeno.
 281359. No. 967. Taucanhuitz, San Luis Potosi.
 281360. No. 969. Papantla, Vera Cruz.
 281361. No. 991. 'Chili Guero'. Colotlan, Jalisco.
 281362. No. 992. 'Chili Cora'. Mezquitec, Jalisco.
 281363. No. 993. 'Chili de Arbol'. Mezquitec, Jalisco.
 281364. No. 996. 'Chili Cora'. Colotlan, Jalisco.
 281365. No. 997. 'Mirasol'. Colotlan, Jalisco.
 281366. No. 998. 'Chili Bola'. Ojo Caliente.
 281367. No. 999. 'Chili Serrano'. Colotlan, Jalisco.
 281368. No. 1000. 'Chili Guero'. Susticacan, Zac.
 281369. No. 1001. 'Chili Pasilla'. Susticacan, Zac.
 281370. No. 1184. 'Chili de Arbol'. Sihuatlan, Jalisco.
 281371. No. 1226. 'Chili Tepine'. Alamo, Sonora.
 281372. No. 1535. 'Chili Tepine'. Hermosillo.
 281373. No. 1542. 'Ancho'.
 281374. No. 1543. 'Chili Mora'. Tampico.
 281375. No. 1544. 'Chili Catarina'.
 281376. No. 1548. 'Guajillo'.
 281377. No. 1806. 'Zacapalena'. Puebla.
 281378. No. 1807. 'Rayaldo Primero'. Puebla.
 281379. No. 1809. 'Rayaldo Colorado'. Puebla.
 281380. No. 1810. 'Loco'. Puebla.
 281381. No. 1812. 'Pasilla'. Puebla.
 281382. No. 1813. 'Chili Piquin'. Vera Cruz.
 281383. No. 1814. 'Cascabel'. Vera Cruz.
 281384. No. 1815. Vera Cruz.
 281385. No. 1861. 'Chili Gordo'. Vera Cruz.
 281386. No. 1817. 'Mirasol'. Aguas Calientes.
 281387. No. 1818. 'Ancho'. La Piedad.
 281388. No. 1819. 'Catarina'. La Piedad.
 281389. No. 1820. 'Guajillo'. La Piedad.
 281390. No. 1821. 'Cascabel'. Queretaro.
 281391. No. 1957A. Navajoa.

281392 to 281394. *CAPSICUM CHINENSE* Jacq.

281392. No. 902. Commercial import.

281297 to 281445—Continued**281392 to 281394—Continued**

281393. No. 906. 'Uvilla Grande'. Commercial import.

281394. No. 1799. 'Chile Habanero'. Yucatan.

281395 to 281397. CAPSICUM FRUTESCENS L. Redpepper.

281395. No. 904. 'Rat Chili'. Commercial import.

281396. No. 971. Jesus Carranza, Vera Cruz.

281397. No. 1249. Palenque.

281398. CAPSICUM cf. MICROCARPUM Cav.

No. 1532. 'Dulce Nombres'. Nuevo Leon.

From the New Hebrides.

281399. CAPSICUM FRUTESCENS L. Redpepper.

No. 835. Efate.

From Nicaragua.

281400. CAPSICUM ANNUM L. Pimento.

No. 1540. 'Chili Largo'.

281401. CAPSICUM FRUTESCENS L. Redpepper.

No. 1538. 'Chili Redondo'.

From Peru.

281402 to 281404. CAPSICUM CHINENSE Jacq.

281402. No. 919. Trujillo.

281403. No. 1491.

281404. No. 1493.

281405. CAPSICUM FRUTESCENS L. Redpepper.

No. 1786. Huancayo.

281406 to 281415. CAPSICUM PENDULUM Willd.

281406. No. 917. Pura. 281411. No. 928. Cuzco.

281407. No. 922. Moquiquito. 281412. No. 930. Tingua.

281408. No. 923. Cuzco. 281413. No. 931. Tingua.

281409. No. 924. Cuzco. 281414. No. 1492.

281410. No. 927. Cuzco. 281415. No. 1494.

From the Philippines.

281416. CAPSICUM ANNUM L. Pimento.

No. 1884. San Pablo, Laguna.

281417 to 281420. CAPSICUM FRUTESCENS L. Redpepper.

281418. No. 1883. Mindanao. 281419. No. 1885. Cebu City.

281417. No. 1882. Mindanao. 281420. No. 1887. Cebu City.

281421. CAPSICUM SINENSE Jacq. Pepper.

No. 1888. Cagayan de Oro.

281422. CAPSICUM FRUTESCENS L. Redpepper.

No. 1889. Cagayan de Oro.

From Puerto Rico.

281423 and 281424. CAPSICUM CHINENSE Jacq.

281423. No. 1774. 'Aji Dulce'. Rio Piedras.

281424. No. 1801. 'Aji'. Cagues.

From the Solomon Islands.

281425. CAPSICUM FRUTESCENS L.

Redpepper.

No. 834. Guadalcanal.

From Surinam.

281426 to 281430. CAPSICUM SINENSE Jacq.

Pepper.

281426. No. 1720.

281429. No. 1740.

281427. No. 1725.

281430. No. 1741.

281428. No. 1736.

281431. CAPSICUM FRUTESCENS L.

Redpepper.

No. 1738.

From Turkey.

281432. CAPSICUM ANNUM L.

Pimento.

No. 1823. 'Turkish Hot'.

From the United States.

281433 and 281434. CAPSICUM ANNUM L.

Pimento.

281433. No. 975. Cameron County, Texas.

281434. No. 1954. Stockton, Calif.

281435. CAPSICUM CHINENSE Jacq.

No. 1878. 'Datil Pepper'. Petersburg, Fla.

281436 and 281437. CAPSICUM PENDULUM Willd. Solanaceae.

281436. No. 990. 'Brown's Pepper'. Oahu, Hawaii.

281437. No. 1941. Stockton, California.

From Venezuela.

281438 and 281439. CAPSICUM CHINENSE Jacq.

281438. No. 1496. 'Chirel'. Margarita Island.

281439. No. 1499. 'Sweet Red'. Margarita Island.

281440. CAPSICUM SINENSE Jacq.

Pepper.

No. 1849. 'Chirel Grande'. Maracay.

281441. CAPSICUM CHINENSE Jacq.

No. 1850. 'Vinagruto'. Maracay.

281442. CAPSICUM SINENSE Jacq.

Pepper.

No. 1851. 'Aji Picante'. Maracay.

281443 and 281444. CAPSICUM CHINENSE Jacq.

281443. No. 1852. 'Aceituno'. Maracay.

281444. No. 1853. 'Aceitico'. Maracay.

From country of unknown origin.

281445. CAPSICUM FRUTESCENS L.

Redpepper.

No. 989. 'Mombassa'.

281446 to 281448. CUCUMIS SATIVUS L. Cucurbitaceae.**Cucumber.**

From Korea. Seeds presented by Yang Ho Hahm, Institute of Agriculture, Suwon. Received May 17, 1962.

281446. No. 2.

281447. No. 7.

281448. No. 9.

281449 to 281451. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Norway. Tubers presented by the Norges Landbrukshogskoles Akervekstforsok, Vollebekk. Received May 18, 1962.

281449. 'Pimpernel'. Tuber deep red; flesh yellow; excellent table quality. Resistance to many diseases, especially blight. Wart immune and nearly virus free.

281450. 'Urtica'.

281451. No. (R1R3) 54-6-16.

281452 and 281453.

From Sweden. Plants presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received May 22, 1962.

281452. VACCINIUM MYRTILLUS L. Vacciniaceae. **European whortleberry.**

281453. VACCINIUM ULIGINOSIS L. **Blueberry.**

281454 and 281455. ZEA MAYS L. Poaceae.**Corn.**

From the United States. Seeds presented by the College of Agriculture, University of Missouri, Columbia, Mo. Numbered May 22, 1962.

281454. 'Patterson Small Cob'. From Mississippi. High shelling percent; ears 6 to 9 inches long, sometimes prolific; kernels white; husk cover fairly good. Maturity 900-1000.

281455. 'Smiley Silage'. Originated near Cuba, Missouri. Grown for silage.

281456. HORDEUM VULGARE L. Poaceae.

From Chile. Seeds presented by the Estacion Experimental de la Sociedad Nacional de Agricultura, Santiago. Received May 22, 1962.

'Cruzat'. Plants medium high, very resistant to shattering and lodging; stem white, short, thick, strong; spike thick, six-lined with beard, long, clear yellow; grain medium size, fluted; seed coat thick, smooth. Sown in fall and winter, 160-200 kilos per 15,625 square meters. Not particular as to soil but produces best in fertile soil. Of great forage value. Resistant to rust but susceptible to *Puccinia graminis*.

281457 to 281472. LINUM USITATISSIMUM L. Linaceae. Flax.

From Argentina. Seeds presented by the Estacion Experimental Agropecuaria Pergamina, Pergamino. Received May 22, 1962.

281457. E.E.P. 16. aH827-F4-68.

281458. E.E.P. 45. Buck 114 D.P.G.41034.

281459. E.E.P. 47. Buenos Aires 106.

281460. E.E.P. 82. Charrua Mejorada MAG.

281461. E.E.P. 92. 1772/48-1-2-1-1-(T.P. Taragui SAG).

281462. E.E.P. 320. Entre Rios D.P.G.45320.

281463. E.E.P. 366.Hp490 F5-0-3-(Oliv. Timbu).

281464. E.E.P. 561. Oliveros Toba.

281457 to 281472—Continued

281465. E.E.P. 571. Pergamino Pampa MAG.
 281466. E.E.P. 572. Pergamino Puelche MAG.
 281467. E.E.P. 575. Querandi MA.
 281468. E.E.P. 2263. 15H808-6-1-18-5-(Mocoreta).
 281469. E.E.P. 2264. 15H808-6-1-99-1-3.
 281470. E.E.P. 2265. aH811 F6-150.
 281471. E.E.P. 2266. aH189-F6-619.
 281472. E.E.P. 2267. aH827-F5-30.

281473. ORYZA SATIVA L. Poaceae. Rice.

From Italy Seeds presented by the Stazione Sperimntale di Riscicolura e Delle Coltivazione Irrigue, Vercelli. Received May 22, 1962.

'Criollo Chirque' × 'Balilla'. NG 61.

281474. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Brazil. Seeds obtained from the Anderson-Clayton Plantation, Sao Paulo, and presented by the Baker Castor Oil Co., Plainview, Tex. Received May 22, 1962.

281475 to 281480.

From the Netherlands. Plants purchased from Wed. P. Eveleens & Zonen, Aalsmeer. Received May 23, 1962.

281475. BEGONIA sp. Begoniaceae.

'Christmas White'.

281476. BEGONIA sp.

'Ege's Favorite'.

281477. BEGONIA sp.

'Marina'.

281478. BEGONIA sp.

'Regent'.

281479. HYDRANGEA sp. Hydrangeaceae.

'Europa'.

281480. HYDRANGEA sp.

'Socur Therese'.

281481. VIBURNUM TRILOBUM Marsh. Caprifoliaceae.

From Canada. Plants presented by the Woodland Nurseries, Ltd., Cooksville, Ontario. Received May 23, 1962.

281482. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Australia. Tubers presented by the Department of Agriculture, Sydney, New South Wales. Received May 24, 1962.

'Murru'.

281483 to 281486.

From Puerto Rico. Seeds presented by the Tropical Research Medical Laboratory, Fort Brooke. Received May 24, 1962.

281483. HIBISCUS ACETOSELLA Welw. Malvaceae.

For Buchanan. Flowers and leaves red. Ornamental. Harbors boll weevil.

281483 to 281486—Continued

281484 and 281485. *HIBISCUS BIFURCATUS* Cav. **Rosemallow.**

281484 A. Flower lavender. Collected near Punta Salinas, in saltmarsh among sawgrass and mangroves.

281485. A-1. Collected along airport road, San Juan. Fresh water swamp.

281486. *HIBISCUS* sp.

B. Collected along airport road, San Juan. Dry situation. Received as *H. purcellatus*.

281487 to 281489. BETA VULGARIS L. Chenopodiaceae.**Common beet.**

From Canada. Seeds presented by the Dominion Arboretum and Botanic Garden, Plant Research Institute, Ottawa. Numbered May 25, 1962.

281487. 'Frontenac'. C.A.N. 5165. A smooth yellow intermediate, moderately free from pronginess (coarse shoulders). Apparently resistant to *Cercospora* leaf spot. Ames observations: First year; roots uniform to 9 inches long, 3 to 4 inches diameter, orange. Second year; plants vigorous, to 40 inches high, seed set good.

281488. 'Moore's Yellow Intermediate'. C.A.N. 5167. Green yield good. Ames observations: First year; roots moderately uniform, flat, 2 inches thick and 2 to 4 inches diameter, orange. Second year; plant vigorous, to 36 inches high, seed set good.

281489. 'Tip Top'. C.A.N. 5120. Yellow intermediate with good keeping qualities, high dry matter content. Marked resistance to *Cercospora* leaf spot. Ames observations: First year; roots uniform to 9 inches long, 2 to 3 inches in diameter, orange. Second year; plants vigorous, to 36 inches high, seed set good.

281490 to 281520. CARICA PAPAYA L. Caricaceae.**Papaya.**

From New Guinea. Seeds presented by the Director of Agriculture, Port Moresby. Received May 28, 1962.

From Central District.

281490. No. 1. 281493. No. 4.

281491. No. 2. 281494. No. 5.

281492. No. 3.

From Fischhafen.

281495. P. 1. 281499. P. 5.

281496. P. 2. 281500. P. 6.

281497. P. 3. 281501. P. 7.

281498. P. 4. 281502. P. 8.

From Samarai, Milne Bay.

281503. No. 1.

281504. No. 2.

From Morobe District.

281505. No. 1. Long red.

281506. No. 2. Large Yellow.

281507. No. 3. Medium yellow.

281508. No. 4. Long yellow.

281509. No. 5. Large yellow.

281510. No. 6. Round oval, yellow.

281490 to 281520—Continued

281511. No. 7. Small round, yellow.
 281512. No. 8. Red, medium.
 281513. No. 9. Round, yellow, smooth.
 281514. No. 10. Oval, yellow.
 281515. No. 11. Yellowish white.
 281516. No. 12. Large red.
 281517. No. 13. Long pink.
 281518. From Highlands Morobe District. Flesh yellow.
 281519. From Madang District.
 281520. From Goroka, E. Highlands.

281521 and 281522. COLOCASIA ESCULENTA (L.) Schott Araceae. Taro.

From Japan. Bulbs presented by the United States Embassy, Tokyo. Received May 29, 1962.

281521. 'To-no-imo'.
 281522. 'Yatsu-Gashira'.

281523 to 281532. HORDEUM VULGARE L. Poaceae.

From Argentina. Seeds presented by the Instituto de Fitotecnia, Castelar. Received May 29, 1962.

281523. 'Bordenave Ranquelina'.
 281524. 'Buck 111'.
 281525. 'Buenos Aires 109'.
 281526. 'Guatrache Araucana'.
 281527. 'La Prevision 19'.
 281528. 'Malteria 150'.
 281529. 'Malteria Heda'.
 281530. 'Negra Manfredi'. Seeds black.
 281531. 'Negra Pergamino'. Seeds black.
 281532. 'Oliveros Litoral'.

281533 and 281534. HORDEUM VULGARE L. Poaceae.

From Belgium. Seeds presented by the Station de Recherches de l'Etat l'Amelioration des Plantes de Grande Culture, Gembloux. Received May 29, 1962.

281533. 'Eclat'. Spring type; two-rowed; awns loose; beards short (type D); glumes ridged, edges glossy; dorsal and lateral leaves with anthocyanin and no denticles. Compared to 'Ingrid': a little earlier and superior in production; almost resistant in lodging; straw longer; equal in leaf rust resistance; superior in mildew resistance (equal to 'Piroline'); resistant to *Helminthosporium*. Good brewing quality.
 281534. 'Mosane'. Description, culture and resistances except that seed is larger, are same as for 'Eclat'. Good producer. Valuable for brewing purposes.

281535 to 281537. LINUM USITATISSIMUM L. Linaceae. Flax.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Pergamino, Pergamino. Received May 29, 1962.

281535 to 281537—Continued

281535. E.E.P. 145.

281536. E.E.P. 608.

281537. E.E.P. 671.

281538 to 281541. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Sweden. Tubers presented by the Swedish Seed Association, Svalov.
Received May 29, 1962.

281538. N6. 281540. 54090.4.

281539. 5406.1. 281541. 54090.10.

281542. MALUS (hybrid). Malaceae.

From South Africa. Budsticks presented by Mrs. J. Whitfield, Pt. Shepstone
Natal. Received May 29, 1962.

‘Tropical Beauty’.

281543 to 281546. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Israel. Seeds presented by the Plant Introduction Service, Beit Dagan.
Received May 31, 1962.

281543. No. 227. F 230-16. 281545. No. 230. P-49B-146.

281544. No. 228. F 333-16. 281546. No. 232. E. G. Red.

281547 to 281556.

From Japan. Seeds presented by the Agency for International Development,
United States Embassy, Tokyo. Received May 31, 1962.

281547 to 281552. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae.

Cabbage.

281547. ‘Aichi-natsumaki’. Plants small, midseason to late maturing, highly resistant to cold; outer leaves few, moderate green, purplish in winter, surface smooth; head flattened globe, medium size; quality good. Yields to 75 tons per hectare. Planted late June to early August; harvested October to March. Not particular as to soil but generally grown on low lands. Leading variety in Chubu District, latitude 35° N.

281548. ‘Nagaoka-kohai No. 1’ or ‘O-S Cross’. F₁ hybrid. Midseason to late variety susceptible to heat and cold and has tendency to bolt. Outer leaves large, spreading to 60 cm., light green; head flat, compact, uniform, to 2.5 kg.; quality very good. Yields to 45 tons per hectare. Planted mid-September to late October and in spring; fall planting harvested late May to late June. Adapted to most soils for fall planting but requires well drained soils for spring planting. Generally grown on low lands. Popular in Kanto District, latitude 35° to 37° N. and southward.

281549. ‘Nagaoka-kohai-akimaki-gokuwase’ or ‘F-C Cross’. F₁ hybrid. Plants small, early maturing, with little tendency to bolt. It is sensitive to heat and cold. Outer leaves few, undulate, light green, spreading to about 45 cm.; heads small, nearly spherical, to 1 kg.; texture thin, quality not too good.

Yields to 20 tons per hectare. It is planted about a week earlier than other fall planted varieties, but bolts if planted too early. Planted mid-September in Kanto District; harvested mid- to late April. No particular as to soil, but generally grown on low lands.

281550. ‘Nagaoka-kohai-shikidori’ or ‘N-S Cross’. F₁ hybrid. Midseason variety with little tendency to bolt and highly tolerant of heat, cold and wet. Outer leaves numerous, dark green, spreading to 65 cm.; head oblate, interior hard, to 2.5 kg.; quality poor. Yields to 55 tons per hectare. Planted in August; harvested mid-February to early April. Not particular as to soil, except well drained for spring planting. Popular in Kanto District and southward for spring crop.

281547 to 281556—Continued**281547 to 281552—Continued**

281551. 'Nambu'. Late variety highly tolerant of heat and cold; outer leaves numerous, green, bloom heavy, spreading to 65 cm.; head oblate, to 2.5 kg.; texture tough; quality not too good. Yields to 40 tons per hectare. Planted in mid-April to mid-May; harvested late August to early October. Not particular as to soil. Leading variety in Tohoku District, Iwate Prefecture, latitude 37° to 41° N.

281552. 'Yoshin'. Early variety highly tolerant of heat and wet. Outer leaves few, light green, spreading to 55 cm.; head structure loose, to 1.5 kg.; texture tender, juicy; quality good. Yields to 25 tons per hectare. Planted in late spring to early July as it has tendency to bolt if planted in early spring or late summer; harvested early August to late October. Adapted to sandy loams and loamy soils rich in organic matter. Highly resistant to black leg. An improved northern Formosa variety grown in the Tokai District, Japan, latitude 35° N.

281553 to 281555. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

281553. 'Furuya K-go'. Plants tall, vigorous, very productive, tolerant of high and low temperatures, resistant to fusarium wilt, late blight and virus. Fruit slightly flattened, to 350 grams; flesh firm, thick; seeds few. Harvested from bottom to 15th cluster, yielding to 12 tons per hectare. Sown in plastic tunnels late January and in fields early to mid-February for transplanting early April to early May; harvested mid-June to mid-October. Adapted to light soils. A good shipper.

281554. 'Hikari'. Plant small, early to midseason variety resistant to fusarium wilt and late blight; fruits slightly oblong, uniform, to 250 grams. Yield high in early stage; fruit coloring, quality and keeping qualities good. Sown in January in plastic houses, transplanted mid- to late March and harvested from mid-May. Adapted to sandy and clayey soils.

281555. 'Kiyosu No. 2'. Plant vigorous, late maturing; fruits slightly oblong, medium size, pink, coloring fast and uniform; good quality, especially for juice and puree (in Japan). Sown mid-February, transplanted late April, harvested late June. Adapted to clay soils which do not dry out in summer, where it is harvested over a long period. Important for processing and marketing.

281556. PHASEOLUS VULGARIS L. Fabaceae.**Common bean.**

'Otenashi' or 'White Navy Bean'. Plants semi-viny, resistant to anthracnose and angular leaf spot; pods hard, thick, tolerant of wet; dark purplish before maturing; seeds large, white, short oval. Planted late May to early June, harvested in October, requiring to 150 frost-free days at optimum temperature. Adapted to fertile sandy loam alluvial soils.

281557 to 281593.

From Turkey. Seeds collected by D. R. Cornelius, Forage and Range Branch, Crops Research Division, Berkeley, California. Received May 31, 1962.

281557 and 281558. CORONILLA CAPPADOCICA Willd. Fabaceae.**281557.** Col. No. 691.**281558.** Col. No. 706.**281559 and 281560. CORONILLA SCORPIOIDES (L.) Koch****281559.** Col. No. 304.**281560.** Col. No. 542.**281561 to 281565. CORONILLA VARIA L.****Crownvetch.****281561.** Col. No. 503.**281564.** Col. No. 677.**281562.** Col. No. 583.**281565.** Col. No. 904.**281563.** Col. No. 615.

281557 to 281593—Continued281566. *CORONILLA* sp.

Col. No. 907.

281567. *CORONILLA* sp.

Col. No. 930.

281568 to 281588. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

281568. Col. No. 79.

281579. Col. No. 653.

281569. Col. No. 257.

281580. Col. No. 693.

281570. Col. No. 260.

281581. Col. No. 718.

281571. Col. No. 536.

281582. Col. No. 790.

281572. Col. No. 537.

281583. Col. No. 807.

281573. Col. No. 557.

281584. Col. No. 823.

281574. Col. No. 564.

281585. Col. No. 837.

281575. Col. No. 575.

281586. Col. No. 866.

281576. Col. No. 584.

281587. Col. No. 873.

281577. Col. No. 628.

281588. Col. No. 899.

281578. Col. No. 636.

281589. *LOTUS SULPHUREUS* Boiss.

Col. No. 666.

281590. *LOTUS* sp.

Col. No. 272.

281591. *LOTUS* sp.

Col. No. 277.

281592. *LOTUS* sp.

Col. No. 789.

281593. *LOTUS* sp.

Col. No. 797.

281594 to 281597. *PHASEOLUS VULGARIS* L. Fabaceae.**Common bean.**

From Italy. Seeds presented by Arturo Ansaloni, Bologna. Received May 31, 1962.

281594. 'Corallo Romanesco'. Plant climber, reportedly has large, broad, pods to 16 cm. long and 2 cm. wide; of excellent quality and flavor as green beans; seeds large, oval, flattened, blackish brown.

281595. Plant dwarf; seed oval, flattened to round, two-tone, maroon on light tan.

281596. Plant climber; seeds large, oval, flattened, two-tone, maroon on light tan.

281597. Climbing kidney bean; seeds oval, roundish, two-tone, maroon on light tan.

281598 to 281603.

From Argentina. Seeds presented by la Division de Exploraciones and Introduccion de Plantas, Direccion General de Fomento Agricola, Buenos Aires. Received May 31, 1962.

281598 to 281603—Continued

281598. PHALARIS PLATENSIS (Arech.) Valencia Poaceae.

PF 59F.

281599. STIPA COMATA Trin. & Rupr. Poaceae. **Needle-and-thread grass.**

281600. STIPA IBARI R. Phil.

281601. STIPA NEAEI Nees ex Steud.

281602. STIPA PSYLANTHA Speg.

281603. STIPA sp.

281604. CARICA PAPAYA L. Caricaceae. **Papaya.**

From Costa Rica. Seeds presented by the Institute of Inter-American Affairs, San Jose. Received June 4, 1962.

From a hermaphroditic plant from the Quepos region. Fruit from which seeds were obtained was red fleshed, of above average quality, weighing 7 to 8 pounds.

281605. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae. **Leadtree.**

From the United States Virgin Islands. Seeds presented by the Virgin Islands Agricultural Program, Kingshill, St. Croix. Received June 5, 1962.

281606 to 281610.

From countries indicated. Seeds presented to the Agency for International Development, Bogota, Colombia. Received June 5, 1962.

281606 to 281609. LEUCANENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae. **Leadtree.**

281606. Introduction Garden, Experiment Station, Palmira, Colombia.

281607. Coffee Station, San Andres, north of Santa Tecla, El Salvador.

281608. Near Hotel Flamingo, Ocotopeque, Honduras.

281609. Merida, Yucatan, Mexico. Plants difficult to find in grazed areas because of palatability.

281610. SAMANEA SAMAN (Jacq.) Merr. Mimosaceae. **Raintree.**
Palmira, Colombia. Received as *Pithecellobium saman*, a synonym.

281611 to 281618. THEOBROMA CACAO L. Sterculiaceae. **Cacao.**

From the British West Indies. Seeds presented by the Cocoa Board, Ministry of Agriculture, St. Clare, Port-of-Spain, Trinidad. Received June 5, 1962.

281611. IMC-67 × PA-218.

281615. IMC-67 × TSA-655.

281612. IMC-67 × SCA-6.

281616. IMC-67 × TSH-565.

281613. IMC-67 × SCA-12.

281617. IMC-67 × TSAN-784.

281614. IMC-67 × TSA-644.

281618. TSA-644 × IMC-67.

281619 to 281621. CITRUS NOBILIS var. UNSHIU (Mak.) Swingle Rutaceae. **Satsuma orange.**

From Japan. Seeds presented by the National Horticultural Research Station, Okitsu, Shimizu City, Shizuoka-ken. Received June 6, 1962.

281619. From Hayashi.

281620. From Sugiyama.

281621. No data.

281622 and 281623.

From Japan. Seeds presented by the Agency for International Development, Tokyo. Received June 11, 1962.

281622. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

'Kasuga No. 2'. Plants vigorous, late maturing, tolerant of high temperature; stem and leaves large; flower setting good; fruits large, slightly oblong, bright pink. Adapted to light soils, especially to alluvial sandy loams and on hills to 500 meter elevation. Planted late February; transplanted late April; harvested late June. Grown for late shipping.

281623. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

'Chikushi-Ohirazaya'. Seeds kidney shaped, smallish, tan, striated.

281624 to 281626.

From India. Seeds presented by the Division of Botany, Indian Agricultural Research Institute, New Delhi. Received June 12, 1962.

281624. *DOLICHOS LABLAB* L. Fabaceae. **Hyacinth-bean.**

281625 and 281626. *SEHIMA NERVOSUM* (Rottl.) Stapf Poaceae.

281625. Pl. 320/1. Male fertile.

281626. Pl. 320/2. Male fertile.

281627. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From Australia. Seeds presented by the Botanic Gardens, Adelaide. Received June 12, 1962.

281628 to 281633. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Hiratsuka, Kanagawa. Received June 12, 1962.

281628. 'Bozu'. **281631.** 'Tomoemasari'.

281629. 'Isao-Mochi'. **281632.** 'Wase-Bozu'.

281630. 'Norin 11'. **281633.** 'Wase-Shiroke'.

281634 and 281635.

From Singapore. Seeds purchased from Hooglandt and Company. Originally from Indonesia. Received June 12, 1962.

281634. *CALOPOGONIUM MUCUNOIDES* Desv. Fabaceae.

281635. *CENTROSEMA PUBESCENS* Benth. Fabaceae.

281636. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From Tanganyika. Seeds presented by the Northern Region Research Center, Tengeru, Arusma. Received June 12, 1962.

281637. *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover.**

From Canada. Seeds presented by the Genetics and Plant Breeding Research Institute, Central Experimental Farm, Ottawa. Received June 12, 1962.

'Aurora'.

281638. *SPERGULA ARVENSIS* L. Silenaceae. **Spurry.**

From France. Seeds presented by Vilmorin-Andrieux, Paris. Received June 12, 1962.

Common spurry.

281639. MISCANTHIDIUM sp. Poaceae.

From the Republic of South Africa. Seeds presented by the National Herbarium, Division of Botany, Pretoria. Received June 13, 1962.

281640 to 281690. GOSSYPIUM (hybrids). Malvaceae.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received June 13, 1962.

281640. CB-SP 78.	281666. CB-SP 121.
281641. CB-SP 80.	281667. CB-SP 123.
281642. CB-SP 82.	281668. CB-SP 129.
281643. CB-SP 84.	281669. CB-SP 131.
281644. CB-SP 87.	281670. CB-SP 136.
281645. CB-SP 89.	281671. CB-SP 145.
281646. CB-SP 91.	281672. CB-SP 145. Plant No. 6.
281647. CP-SP 92.	281673. CB-SP 147.
281648. CB-SP 94.	281674. CB-SP 153.
281649. CB-SP 95.	281675. CB-SP 154.
281650. CB-SP 96.	281676. CB-SP 155.
281651. CB-SP 98.	281677. CB-SP 156.
281652. CB-SP 100.	281678. CB-SP 157.
281653. CB-SP 102.	281679. CB-SP 158.
281654. CB-SP 103.	281680. CB-SP 159.
281655. CB-SP 104.	281681. CB-SP 166.
281656. CB-SP 105.	281682. CB-SP 172.
281657. CB-SP 106.	281683. CB-SP 173.
281658. CB-SP 107.	281684. CB-SP 190.
281659. CB-SP 111.	281685. CB-SP 191.
281660. CB-SP 112.	281686. CB-SP 192.
281661. CB-SP 113.	281687. CB-SP 193.
281662. CB-SP 114.	281688. CB-SP 194.
281663. CB-SP 115.	281689. CB-SP 196.
281664. CB-SP 118.	281690. CB-SP 200.
281665. CB-SP 120.	

281691 to 281709. 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 13, 1962.

281691. 'Druzhba' ('Berlichingen' × 'Epron'). Second early, main crop. Wart resistant.
281692. 'Fitoforovstvojzivyj'.
281693. 'Jaroslavskij'.
281694. 'Juzanin'.
281695. 'Korenevskij' ('Switjez' × 'Furstenkrone'). Main crop. Susceptible (presumably to wart).
281696. 'Lirekimec'.
281697. 'Moskovskij' ('Fitoforovstvojzivyj' × 'Alma'). Second early. Susceptible.

281691 to 281709—Continued

281698. 'Nahodka'.
 281699. 'Peredovik' ('Early Rose' × 'Jubel'). Main crop. Wart resistant.
 281700. 'Puskinskij'.
 281701. 'Rostovskij'.
 281702. 'Severnaja Rosa' ('Early Rose' × 'Jubel'). Second early. Wart resistant.
 281703. 'Sovetskij' ('Imperator' × 'Furstenkrone'). Main crop. Susceptible.
 281704. 'Sviazskij'.
 281705. 'Uhtomskij'.
 281706. 'Volhovskij'.
 281707. 2-4.
 281708. 'Lorch' ('Switez' × 'Furstenkrone'). Main crop. Susceptible. Free from Virus X.
 281709. 'Priekulskij'. Free from Virus X.

281710. MALUS SYLVESTRIS Mill. Malaceae.

From the Bahamas. Budsticks presented by the Department of Agriculture, Nassau. Received June 14, 1962.

'Dorsett Golden'. Seedling of 'Golden Delicious'.

281711. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

From Spain. Seeds presented by the Agency for International Development, United States Embassy, Madrid. Received June 15, 1962.

'Bountiful' R1524. From the Institute de Nacional de Investigaciones Agronomicas, Centro de Cerealiculturo. Seeds oval, light tan, about 0.5 inch long.

281712 to 281737.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received June 21, 1962.

281712 and 281713. ALLIUM BARSCZEWSKII Lipsky Liliaceae.

281712. No. 156. Hortus Botanicus, Tashkent.

281713. No. 279. Hortus Botanicus, Tadzhikistan.

281714. ALLIUM BREVIDENS Vedenky

No. 157. Hortus Botanicus, Tashkent.

281715. ALLIUM CAESIUM Schrenk

No. 279. Hortus Botanicus, Tadzhikistan.

281716. ALLIUM FIBROSUM Regel

No. 164. Hortus Botanicus, Tashkent.

281717. ALLIUM FILIDENS Regel

No. 165. Hortus Botanicus, Tashkent.

281718. ALLIUM KUJUKENSE Vedenky

No. 178. Hortus Botanicus, Tashkent.

281719 and 281720. ALLIUM LONGICUSPIS Regel

281719. No. 179. Hortus Botanicus, Tashkent.

281720. No. 279. Hortus Botanicus, Tadzhikistan (Bulbils).

281712 to 281737—Continued

281721 and 281722. *ALLIUM OSCHANINII* B. Fedtsch.

281721. No. 185. Hortus Botanicus, Tashkent.

281722. No. 279. Hortus Botanicus, Tadzhikistan.

281723. *ALLIUM POPOVII* Vedensky

No. 190. Hortus Botanicus, Tashkent.

281724. *ALLIUM RUBELLUM* Bieb.

No. 172. Hortus Botanicus, Tashkent.

281725. *ALLIUM SABULOSUM* Stev.

No. 192. Hortus Botanicus, Tashkent.

281726. *ALLIUM TURCOMANICUM* Regel

No. 205. Hortus Botanicus, Tashkent.

281727. *ALLIUM VAVILOVII* Popov & Vved.

No. 207. Hortus Botanicus, Tashkent.

281728 to 281737. *CRAMBE ABYSSINICA* R. E. Fries Brassicaceae.

281728. No. 1. Voronez region. South of Moscow—like Dakotas.

281729. No. 2. Krasnodar. Near Black Sea—like Kansas.

281730. No. 4. Moldavia. Next to Romania—like Iowa.

281731. No. 5F. All-Union Research Institute of Oil & Essential Crops, Krasnodar.

281732. No. 6. 'Bashkiria'.

281733. No. 7. 'Voronezskaja'.

281734. No. 8. 'Bashkiria'.

281735. No. 10. Volynsk region.

281736. No. 11. The Ukraine.

281737. No. 14. Botanical Garden, Kiev, Ukraine.

281738. *DIGITARIA HERPOCLADOS* Pilger Poaceae.

From China. Cuttings presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received June 21, 1962.

281739. *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 6, 1962. Numbered June 25, 1962.

Col. No. 8160. Collected Feb. 6, 1962, from cultivated plants along a stream in a gallery forest below mission station, Ghimbie, Wollega Province (lat. 9°11' N., long. 35°50' E.). Elevation 1,850 meters. Evergreen shrub to 8 feet high; variability most evident in fruit size and diameter of blossom scar.

281740 to 281752. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Fiji. Cuttings presented by the South Pacific Sugar Mills, Limited, Lautoka. Received June 26, 1962.

281740. Fiji 21.

281745. Fiji 66.

281741. Fiji 23.

281746. Fiji 70.

281742. Fiji 25.

281747. Fiji 71.

281743. Fiji 56.

281748. Fiji 72.

281744. Fiji 60.

281749. Fiji 73.

281740 to 281752—Continued

281750. Fiji 74.

281752. Fiji 76.

281751. Fiji 75.

281753 and 281754. CHIMONOBAMBUSA QUADRANGULARIS (Fenzi) Makino Poaceae. Bamboo.

From Japan. Roots presented by Thomas L. Blakemore, Tokyo. Received April 9, 1962. Numbered June 28, 1962.

281753. Nokogiriyama, Chiba (30 miles east of Tokyo).

281754. Kamakura, Kanagawa Pref., western side of Miura Peninsula (50 miles south of Tokyo).

281755. PERSEA AMERICANA Mill. Lauraceae. Avocado.

From Mexico. Cuttings presented by the United States Embassy, Mexico City. Received July 2, 1962.

From seedling tree at entrance of Chapultepec Park, Mexico City. Reported to have withstood temperature as low as 9° F.

281756. NICOTIANA SPEGAZZINII Millan Solanaceae.

From Argentina. Seeds presented by the Direccion General de Fomento Agrícola, Buenos Aires. Received July 5, 1962.

Plants found between Potrerillos and Estacion Gindo. Elevation 1,550 meters.

281757 to 281760. ORYZA SATIVA L. Poaceae. Rice.

From France. Seeds presented by the Station d'Amelioration des Plantes, Ecole Nationale d'Agricultura, Montpellier. Received July 5, 1962.

281757. 'Arlesienne'.

281759. 'Cigalon'.

281758. 'Cesariot'.

281760. 'Fanny'.

281761. SORGHUM BICOLOR (L.) Moench Poaceae.

From the British West Indies. Seeds presented by the Department of Science and Agriculture, St. Michael, Barbados. Received July 5, 1962.

'Guinea Corn'.

281762 and 281763. DESMODIUM INTORTUM (Mill.) Urb. Fabaceae.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei. Received July 5, 1962.

281762. C18.

281763. C50.

281764 and 281765. ORYZA SATIVA L. Poaceae. Rice.

From Korea. Seeds presented by the Crops Experiment Station, Suwon. Received July 5, 1962.

281764. 'Jae Keun' (Suwon 152).

281765. 'Jin Heung' (Suwon 158).

281766 to 281775.

From New Guinea. Seeds obtained from the Plant Introduction and Quarantine Station, Laloki, Papua. Received July 5, 1962.

281766 to 281769. LEUCAENA (hybrids). Mimosaceae.

All are from New Guinea, unless otherwise noted.

281766. N.G. 4385. *L. leucocephala* × *L. pulverulenta*. 'Pantai Lox 22'.

281766 to 281775—Continued**281766 to 281769—Continued**

281767. N.G. 4499. *L. leucocephala* × *L. pulverulenta*. 'Pantai PA7'.

281768. N.G. 4500. *L. leucocephala* × *L. pulverulenta*. 'Pantai 10'.

281769. Possibly *L. leucocephala* × *L. glabrata*. Lowlands Agricultural Experiment Station, Keravat, Rabaul, New Britain.

281770 to 281775. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae.
Leadtree.

All are from New Guinea, unless otherwise noted.

281770. N.G. 4162. El Salvador strain.

281771. N.G. 4163. Guatemala strain.

281772. N.G. 4164. Peru strain.

281773. N.G. 4498. Pobaim strain 104 "lamtoro besar".

281774. Local strain, Papua, New Guinea.

281775. Local strain, Keravat, New Britain.

281776. GOSSYPIUM (hybrid). Malvaceae.

From Colombia. Seeds presented by the Servicio Tecnico Agricola Colombiano Americano, Bogota, through the Agency for International Development, United States Embassy, Bogota. Received July 6, 1962.

Supposedly a natural hybrid between *G. vitifolium* and an unknown *Gossypium* discovered in the dry Carribean coast area.

281777 to 281779. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From New Caledonia. Seeds presented by an unknown donor, Noumea. Received July 6, 1962.

281777. A1.

281778. A2.

281779. A3.

281780. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From Puerto Rico. Seeds presented by the Estacion Experimental Agricola, Rio Pedras. Received July 6, 1962.

281781. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From Ceylon. Seeds presented by the Royal Botanic Gardens, Peradeniya. Received July 6, 1962.

281782. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From Ghana. Seeds presented by the University College of Ghana, Legon. Received July 6, 1962.

Collected on the campus.

281783. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From Sierre Leone. Seeds presented by the Department of Agriculture, New England, Freetown. Received July 6, 1962.

281784. LEUCAENA LEUCOCEPHALA (Lam.) de Wit Mimosaceae. Leadtree.

From the Republic of Senegal. Seeds presented by the Centre de Recherches Agronomiques, Bambey. Received July 6, 1962.

NX35. El Salvador strain.

281785 to 281787. ORYZA SATIVA L. Poaceae. Rice.

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Hiratsuka, Kanaguwa. Received July 6, 1962.

281785. 'Kongo'. G. S. 1231.

281786. 'Noria 1'. G. S. 289.

281787. 'Noria 17'. G. S. 285.

281788 to 281792. ORYZA SATIVA L. Poaceae. Rice.

From Chile. Seeds obtained and presented by J. Sambola, Producers Rice Mill, Stuttgart, Arkansas. Received July 6, 1962.

281788. No. 1. 281791. No. 4.

281789. No. 2. 281792. No. 5.

281790. No. 3.

281793 and 281794. ORYZA SATIVA L. Poaceae. Rice.

From Portugal. Seeds presented by the Estacas Agronomica Nacional, Oeiras. Received July 6, 1962.

281793. 'R. Bersani'.

281794. 'Stirpe 136'.

281795 to 281807. ORYZA SATIVA L. Poaceae. Rice.

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Bureau of Plant Industry, Naligaya Experiment Station, Munoz, Nueva Ecija. Received July 6, 1962.

281795. B-E-3. 281802. FK-170.

281796. 'Binicol'. 281803. 'Macapilay Pusa'.

281797. 'Dinafor'. 281804. 'Peta'.

281798. FB-76. 281805. 'Pinursigue'.

281799. FB-120. 281806. 'Raminad Str. 3'.

281800. FB-124. 281807. 'Wag-Wag'.

281801. FK-135.

281808 and 281809.

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Richmond, England. Received July 6, 1962.

281808. *NEPENTHES RAFFLESIANA* Jack Nepenthaceae.

'Kewewsis'.

281809. *NEPENTHES* sp.

Unnamed.

281810 to 281812. MANGIFERA INDICA L. Anacardiaceae. Mango.

From Kenya. Seeds presented by the Horticultural Research Station, Department of Agriculture, Thika. Received July 9, 1962.

Polyembryonic mangoes reportedly of outstanding quality.

281810. 'Boribo'. From Lamu, North Coast of Kenya.

281810 to 281812—Continued

281811. 'Dodo'.

281812. 'Ngowe'. Fruit long, fibrous. Trees large, 55 feet spacing recommended.

281813 to 281819.

From Australia. Cuttings presented by the Adelaide Botanic Garden, Adelaide. Received July 10, 1962.

281813. *MENTHA ARVENSIS* var. *PIPERASCENS* Malinv. ex Bailey Mentha-ceae. **Japanese mint.**281814. *MENTHA AQUATICA* L.281815. *MENTHA PULEGIUM* L.281816. *MENTHA ROTUNDIFOLIA* Huds.

Originally from Hungary.

281817. *MENTHA SUAVIS* Guss.

Originally from Poland.

281818. *MENTHA* sp.

No. 1.

281819. *MENTHA* sp.

No. 2.

281820 to 281840. CAMELLIA JAPONICA L. Theaceae.**Common camellia.**

From France. Plants presented by the Ville de Nantes Service des Plantations, Nantes. Received July 10, 1962.

281820. 'Ainfa Egeria'.

281831. 'Jenny Lind'.

281821. 'Anna Frost'.

281832. 'Latifolia'.

281822. 'Belle Jeannette'.

281833. 'Le Niobe'.

281823. 'Bella Romana'.

281834. 'Madame Canaert d'Hamale'.

281824. 'Charles Blard'.

281835. 'Martin Cachet'.

281825. 'Darsii'.

281836. 'Picturata'.

281826. 'Duchesse de Berry'.

281837. 'Rubens'.

281827. 'Duchesse d'Orleans'.

281838. 'Sommanbula'.

281828. 'Fire Ball'.

281839. 'Triomphant'.

281829. 'Giardino Schmitz'.

281840. 'Valtevedero'.

281830. 'Il Giogello'.

281841 and 281842.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received July 10, 1962.

281841. *POLYGONUM SACHALINENSE* F. Schmidt ex Maxim. Polygonaceae. **Sacaline.**281842. *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.**

No. 34633. 'Lutescens Artemovka'. Spring type from the Volgograd region.

281843 to 281846. ORYZA SATIVA L. Poaceae.**Rice.**

From Hong Kong. Seeds presented by the Agriculture and Forestry Department, Kowloon. Received July 10, 1962.

281843 to 281846—Continued

281843. 'Fa Yin Tsai'.

281845. 'Lo Shu Ngar'.

281844. 'Kam Bau Ngan'.

281846. 'Pak Huk Chai Mei'.

281847. ORYZA SATIVA L. Poaceae.**Rice.**

From the Philippines. Seeds presented by the International Rice Research Institute, Manila. Received July 10, 1962.

'Malakit Sungsong'. Glutinous rice from Los Banos, Laguna.

281848. GLADIOLUS sp. Iridaceae.

From Iraq. Seeds presented by the University of Baghdad, Abu Ghraib. Received July 10, 1962.

281849. DELPHINIUM DASYCAULON Fresen. Ranunculaceae.

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 10, 1962.

Col. No. 7465. Grassy slopes, west side of Acachi River, 1 km. north of main road bridge, 17 km. south of Addis Ababa, Shoa Prov. 8°52' N., 38°47' E. Elevation 1,165 meters. Perennial from a slender woody root, to 7.5 dm. high; flowers deep blue.

281850. GLYCINE MAX (L.) Merrill Fabaceae.**Soybean.**

From Japan. Seeds presented by the Laboratory of Plant Breeding, Hyogo University of Agriculture, Hyogo. Received July 10, 1962.

'Wase-shiroge'.

281851 to 281855. HORDEUM VULGARE L. Poaceae.

From Australia. Seeds presented by the Department of Agriculture, South Perth. Formerly from the Agricultural Research Station, Merredin. Received July 20, 1962.

281851. Genetic Stock No. 120. 'Ablyn', 'Abysinnian' × 'Flynn'. Six-row variety; grain white. Yields higher, matures later and tolerates wetter regions than 'Beecher'.

281852. Genetic Stock No. 121. 'Arabian Blue'. A blue-grained six-row variety with naked kernels of unknown parentage. Maturity similar to 'Atlas'.

281853. Genetic Stock No. 126. 'Californian No. 1'. A white-grained six-row variety from California. Maturity similar to 'Atlas' which it closely resembles.

281854. Genetic Stock No. 135. 'Maltworthy'. 'Prior' × 'Beavans Special'. Requires above average finishing conditions to produce satisfactory malting grain. Stronger straw and suffers less from necking and shedding and slightly later in maturing than 'Prior'. Recommended in areas with an annual rainfall over 18 inches.

281855. Genetic Stock No. 136. 'Martonvasari'. A white-grained two-row variety from Hungary. Maturity similar to 'Atlas'.

281856. TRITICUM (hybrid). Poaceae.

From Japan. Seeds presented by the Wheat Breeding Section, Tokai-Kinki National Agricultural Experiment Station, Issinden-cho, Tsu-city Mie-prefecture. Received July 10, 1962.

'Fultz' × *T. timopheevi*. Potential source of rust resistance.

281857 to 281861. ORYZA SATIVA L. Poaceae.**Rice.**

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received July 11, 1962.

281857 to 281861—Continued

281857. H-4. 281860. H-501.
 281858. H-5. 281861. 'Muonngakayan 302'.
 281859. H-105.

281862 to 281865.

From Germany. Seeds presented by the Botanischer Garten und Museum, Berlin-Dahlem. Received July 11, 1962.

281862. *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae. **Crested wheatgrass.**

No. 395.

281863. *AGROPYRON JUNCEUM* (L.) Beauv.

No. 345.

281864. *AGROPYRON* sp.

No. 345.

281865. *AGROPYRON TRACHYCAULUM* (Link) Malte **Slender wheatgrass.**

No. 345.

**281866 to 281869. LYCOPERSICON ESCULENTUM Mill. Solana-
ceae. Tomato.**

From Bulgaria. Seeds presented by the Academie des Sciences de Bulgare, Institut de Culture des Plantas, Sofia. Received July 11, 1962.

Reportedly resistant to *Bacterium michiganense*.

281866. Linien XXIVa. 281868. No. 10.
 281867. Linien XXIV-13. 281869. 'Plowdiwska Konserwa'.

281870 to 281873.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 11, 1962.

281870. *CALOPOGONIUM MUCUNOIDES* Desv. Fabaceae.
 C.P.I. 28895.
 281871. *LOTONONIS ANGOLENSIS* Welw. ex Baker Fabaceae.
 C.P.I. 26293.
 281872. *TRIFOLIUM SEMIPILOSUM* Fresen. Fabaceae.
 C.P.I. 27218.
 281873. *TRIFOLIUM USAMBARENSE* Taub.
 C.P.I. 22165.

281874 to 281882.

From Iraq. Seeds presented by the College of Agricultura, Abu Ghraib. Received July 11, 1962.

281874. *LACTUCA VIMINEA* (L.) J. & K. Presl Chichoriaceae.
 Agnew 787. 8/8/61. Dry pathside, Dohuki Gorge.
 281875. *LACTUCA SERRIOLA* L.
 Collected by Agnew, Hadac and Haines, 1/10/60. Euphrates bridge at Falluja.
 281876 and 281877. *LACTUCA SALIGNA* L.
 281876. Collected by Agnew, Hadac and Haines, 7/10/60. Twenty kms. south of Al Fallujah. No. 1.
 281877. Collected by Agnew, Hadac and Haines, 7/10/60. Twenty kms. south of Al Fallujah. No. 2.

281874 to 281882—Continued

281878. Undetermined.

No. 2259. Collected 25 km. south of Darband. 7/6/60.

281879. *LACTUCA UNDULATA* Ledeb.

Collected by Agnew, 3/4/60. Kirkuk, Iraq.

281880. *LACTUCA* sp.

Collected by Agnew. No. 1899. *Quercus aegilops* woodland, 16/6/59.

281881. *LACTUCA* sp.

Collected by R. W. Haines. No. 1214. Dahuk, Al Mawsil. 2/9/57.

281882. *LACTUCA* sp.

Collected by R. W. Haines. No. W1864. Vineyard weed. 21/10/61.

281883 to 281913. *GLYCINE MAX* (L.) Merrill Fabaceae.

Soybean.

From Malaya. Seeds presented by the Department of Agriculture, Kuala Lumpur. Received July 11, 1962.

Group I are general purpose varieties planted in the spring or fall.

Group II are spring varieties.

Group III are fall varieties.

Group IV are miscellaneous varieties with unspecified useful characteristics.

The letters designate the source and the numerals following designate the Malayan selection line.

From Indonesia.

281883. Group II, D7.

281891. Group I, R7.

281884. Group IV, D5.

281892. Group IV, R4.

281885. Group II, M1.

281893. Group I, S1.

281886. Group I, O3.

281894. Group III, S3.

281887. Group I, P2.

281895. Group III, T4.

281888. Group I, P4.

281896. Group III, T12.

281889. Group II, P3.

281897. Group IV, T10.

281890. Group I, R6.

From Malaya.

281898. Group I, C1.

281905. Group III, C2.

281899. Group I, C4.

281906. Group III, C6.

281900. Group I, C11.

281907. Group III, C17.

281901. Group I, C13.

281908. Group III, C29.

281902. Group I, C14.

281909. Group IV, C10.

281903. Group I, C21.

281910. Group IV, C28.

281904. Group II, C1618.

From the Philippines.

281911. Group IV, L1.

From Thailand.

281912. Group I, E1.

281913. Group IV, E3.

281914 to 281921. ORYZA SATIVA L. Poaceae. Rice.

From Burma. Seeds presented by the Department of Agriculture, Rangoon. Received July 13, 1962.

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|----------------------------------|------------------------------|
| 281914. A-36-3. | 281918. B-404. 'Nga Yun Wa'. |
| 281915. A-56-11. | 281919. C-33-18. |
| 281916. B-35-2. | 281920. C-46-15. |
| 281917. B-401. 'Taung Deik Pau'. | 281921. D-25-4. |

281922 to 281925. PERSEA AMERICANA Mill. Lauraceae. Avocado.

From Cuba. Plants growing at the United States Plant Introduction Station, Miami, Fla. Received as budwood from the United States Embassy, Havana, December, 1958. Numbered July 13, 1962.

281922. 'Borrogo'. Tree good bearer, some years producing two crops; fruit oval shaped, green skinned, excellent quality, maturing February-March, averages 8 ounces; seed small, tight in cavity.
281923. 'Catalina'. Tree good bearer; fruit oval to pear shaped, yellow green when ripe; excellent quality, weighing 2 to 3 pounds; seed small, tight in cavity. Has some resistance to scab and *Cercospora*. A well-known West Indian variety, widely grown in Cuba.
281924. 'Jose Antonio'. Tree heavy bearer; fruit green skinned, excellent flavor and quality, averaging 1.5 to 2 pounds, maturing June-July in Cuba; seed small, tight in cavity. Highly resistant to scab and *Cercospora* in Cuba. West Indian variety.
281925. 'Suardia'. Tree good bearer; fruits oval shaped, slightly lopsided, dark green when ripe, excellent quality, averaging about 1 pound, maturing in November-December with some maturing as late as mid-January; seed small, tight in cavity. Resistant to scab and *Cercospora*.

281926 to 281941. LINUM USITATISSIMUM L. Linaceae. Flax.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental, Pergamino. Received July 16, 1962.

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|---------------------|----------------------|
| 281926. E.E.P. 16. | 281934. E.E.P. 571. |
| 281927. E.E.P. 45. | 281935. E.E.P. 572. |
| 281928. E.E.P. 47. | 281936. E.E.P. 575. |
| 281929. E.E.P. 82. | 281937. E.E.P. 2263. |
| 281930. E.E.P. 92. | 281938. E.E.P. 2264. |
| 281931. E.E.P. 320. | 281939. E.E.P. 2265. |
| 281932. E.E.P. 366. | 281940. E.E.P. 2266. |
| 281933. E.E.P. 561. | 281941. E.E.P. 2267. |

281942 to 281959.

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Academie Scientiarum, Taschkent, Karamurtakaja. Received July 17, 1962.

281942. *ACER GINNALA* var. *SEMENOVII* (Regel & Herd.) Pax Aceraceae.
No. 593.
281943. *ACER TURKESTANICUM* Pax
No. 594.
281944. *BETULA KIRGHISORUM* Sawicz Betulaceae.
No. 274.

281942 to 281959—Continued281945. *BETULA PENDULA* Roth.

No. 279.

281946. *BETULA SAPOSHNIOVII* Sukaczew

No. 275.

281947. *BETULA SCHUGNANICA* Litw.

No. 276.

281948. *BETULA TIANSHIANICA* Rupr.

No. 277.

281949. *BETULA TURKESTANICA* Litw.

No. 278.

281950. *CERCIS GRIFFITHII* Bois. *Caesalpiniaceae*.

No. 543.

281951. *CLEMATIS ORIENTALIS* L. *Ranunculaceae*. **Oriental clematis.**

No. 385.

281952. *CLEMATIS SONGARICA* Bunge.

No. 386.

281953. *CORNUS* (hybrid). *Cornaceae*.No. 1101. *C. amomum* × *C. obliqua*.281954. *CORNUS GLABRATA* Benth.

No. 1103.

281955. *CORNUS OBLIQUA* Raf.

No. 1105.

281956. *JUNIPERUS SEMIGLOBOSA* Regel *Pinaceae*.

No. 1.

281957. *JUNIPERUS TURKESTANICA* Komarov

No. 2.

281958. *JUNIPERUS SERAVSCHANICA* Kom.

No. 3.

281959. *PYRUS REGELII* Rehd. *Malaceae*.

No. 486.

281960 to 281967. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From the Union of Soviet Socialist Republics. Tubers presented by the Institute of Plant Industry, Leningrad. Received July 10, 1962. Numbered July 18, 1962.

281960. 'Belaja Roza'.

281961. 'Katiusa'. ('Jubel' × 'Majka'). Flowers white. Wart resistant.

281962. 'Losickij'. From Belorussia.

281963. 'Rannij Zeoltyj'.

281964. 'Ruta'. From Lithuania. (Seedling 1325 × 'Milda'). Wart resistant.

281965. 'Trojanda'.

281966. 'Tzstades'.

281967. 'Zazerskij'. From Belorussia. ('Ostbote' × 'Fitoforoustojcivj' × 'Zeidlitz'). Wart resistant.

281968. THEMEDA AUSTRALIS (R. Br.) Stapf Poaceae.

From Australia. Seeds presented by the Department of Agriculture, Sydney.
Received July 18, 1962.

281969 to 282119.

From Chile. Seeds presented by the Rockefeller Foundation, Santiago. Received July 19, 1962.

- 281969 to 282118. PHASEOLUS VULGARIS L. Fabaceae. Common bean.**
- 281969.** 'Enredadera'. Vine, 120-day maturity. Very susceptible to mosaic.
- 281970.** 'Amarillo'. Vine, 127-day maturity. Susceptible to root rot; semiresistant to mosaic.
- 281971.** No.630. Semi-vine, 113-day maturity, flowers yellow. Susceptible to mosaic.
- 281972.** 'Hallados Temuco'. Vine, 120-day maturity. Dry bean. Semiresistant to mosaic.
- 281973.** 'Talca No. 5'. Semi-vine, 127-day maturity. Green bean. Susceptible to mosaic.
- 281974.** No. 68. Vine, 135-day maturity, flowers pink. Semi-resistant to mosaic.
- 281975.** No. 4. Vine, 127-day maturity. Susceptible to root rot; very susceptible to mosaic.
- 281976.** 'Negro Nueva Imp.' Introduced. Vine, 112-day maturity. Green bean. Susceptible to mosaic.
- 281977.** 'Coyunda Nueva Imp.' Vine, 120-day maturity. Green bean, flowers pink. Susceptible to root rot; semiresistant to mosaic.
- 281978.** 'Milanes'. Originally from Italy. Vine, 113-day maturity. Green bean. Flowers pink. Susceptible to root rot; resistant to mosaic.
- 281979.** 'Hilacha A.' Introduced. Semivine, 105-day maturity. Green bean. Resistant to mosaic.
- 281980.** 'Italianos'. Originally from Italy. Vine, 120-day maturity. Green bean. Susceptible to root rot and mosaic.
- 281981.** 'Jalisco 2A'. Originally from Mexico. Semivine, 127-day maturity. Green bean. Very susceptible to mosaic.
- 281982.** 'Japones Blanco'. Introduced. 127-day maturity. Green bean. Flowers pink. Semiresistant to mosaic.
- 281983.** 'Diablos de Mata'. Vine, 127-day maturity. Semiresistant to mosaic.
- 281984.** 'Almidon'. Vine, 127-day maturity. Semiresistant to mosaic.
- 281985.** No. 93. Dwarf, 113-day maturity. Susceptible to mosaic.
- 281986.** 'Canario'. Semivine, 105-day maturity. Dry bean. Susceptible to root rot and to mosaic.
- 281987.** 'Isla'. Introduced. Vine, 120-day maturity. Susceptible to root rot and to mosaic.
- 281988.** 'Ojo de Cabra'. Vine, 127-day maturity. Susceptible to root rot and to mosaic.
- 281989.** 'Chapingo SNA'. Originally from Mexico. Vine, 120-day maturity. Green bean. Flowers pink. Susceptible to mosaic.
- 281990.** 'Senorita'. Vine, 140-day maturity. Green bean. Semiresistant to mosaic. Outstanding line.
- 281991.** 'Morita lagos'. Semivine, 127-day maturity. Susceptible to root rot and to mosaic.

281969 to 282119—Continued**281969 to 282118—Continued**

- 281992.** 'Marfil'. Introduced. Vine, 134-day maturity. Susceptible to root rot and to mosaic.
- 281993.** 'Perdigones'. 113-day maturity. Dry bean. Very susceptible to mosaic.
- 281994.** 'Españoles'. Originally from Spain. Semivine, 127-day maturity. Dry bean. Susceptible to mosaic.
- 281995.** 'Capuchinos'. Introduced. Vine, 120-day maturity. Green bean. Flowers white. Semiresistant to mosaic.
- 281996.** 'Pajaritos'. Vine, 127-day maturity. Dry bean. Flowers pink. Susceptible to mosaic.
- 281997.** 'Tortola'. Semivine. Dry bean. Susceptible to root rot and to mosaic.
- 281998.** 'Valsecia'. Introduced. 113-day maturity. Susceptible to root rot and to mosaic.
- 281999.** 'Boyacas'. Originally from Colombia. Semivine, 120-day maturity. Very susceptible to mosaic.
- 282000.** 'Tortola Los Angeles'. Semivine, 104-day maturity. Dry bean. Susceptible to mosaic.
- 282001.** 'Zepelines'. Vine, 112-day maturity. Dry bean. Semiresistant to mosaic.
- 282002.** 'Pintados'. Vine, 105-day maturity. Very susceptible to mosaic. Outstanding line.
- 282003.** 'Coscorron Aleman'. Semivine, 127-day maturity. Dry bean. Flowers white. Susceptible to mosaic.
- 282004.** 'Borros 1502'. Breeder. Semivine, 127-day maturity. Dry bean. Flowers white. Susceptible to mosaic.
- 282005.** 'Semi-enanos'. Semidwarf, 120-day maturity. Green bean. Flowers pink. Susceptible to root rot and to mosaic.
- 282006.** 'Chapingo 1-86'. Originally from Mexico. Semivine, 127-day maturity, flowers white. Susceptible to root rot; semiresistant to mosaic.
- 282007.** 'Barbuches'. Originally from Colombia. Semivine. Green bean. Flowers white. Susceptible to root rot and to mosaic.
- 282008.** 'Negro Veracruz'. Originally from Mexico. Semivine, 105-day maturity, flowers pink. Susceptible to root rot; semiresistant to mosaic.
- 282009.** 'Bayos Coihueco'. Green or dry bean.
- 282010.** 'Morado'. Introduced. Vine, 135-day maturity. flowers pink. semiresistant to mosaic.
- 282011.** 'Mutilla'. Semivine, 110-day maturity. Susceptible to root rot; very susceptible to mosaic. Outstanding line.
- 282012.** 'Teofilo'. Introduced. Vine, 120-day maturity. Green bean. Susceptible to root rot, very susceptible to mosaic.
- 282013.** 'Contesse do Chamboro'. Originally from France. Semivine, 113-day maturity. Green bean. Flowers white. Susceptible to mosaic.
- 282014.** 'Muselina'. Vine, 120-day maturity. Susceptible to root rot; semiresistant to mosaic.
- 282015.** 'Belgas'. Introduced. Semivine, 105-day maturity. Green bean. Susceptible to root rot and to mosaic.
- 282016.** 'Algarrobeno'. Originally from Colombia. Vine, 113-day maturity. Green bean. Susceptible to mosaic.

281969 to 282119—Continued**281969 to 282118—Continued**

- 282017.** 'Infante'. Semivine, 120-day maturity. Green bean. Susceptible to mosaic.
- 282018.** 'Rinon'. Introduced. Semivine, 97-day maturity. Green bean. Susceptible to root rot; semiresistant to mosaic.
- 282019.** 'Arvejilla'. Origin unknown. Vine, very late maturity. Susceptible to mosaic.
- 282020.** 'Llena canasto'. Introduced. Vine, 127-day maturity. Green bean. Very susceptible to mosaic.
- 282021.** 'Traros'. Introduced. Vine, 127-day maturity, flowers pink. Susceptible to root rot and to mosaic.
- 282022.** 'Mantecoso'. Semivine, 120-day maturity. Dry bean. Flowers pink. Susceptible to root rot and to mosaic.
- 282023.** 'Burros Grandes'. 115-day maturity. Dry bean. Flowers pink. Susceptible to root rot and to mosaic.
- 282024.** 'Mercado'. Vine, 105-day maturity. Green bean. Flowers pink. Semiresistant to mosaic.
- 282025.** 'Coscorrón Blanco'. Vine, 120-day maturity. Dry bean. Susceptible to root rot; very susceptible to mosaic.
- 282026.** 'Enchilar'. Originally from Mexico. Vine, 127-day maturity. Susceptible to root rot; semiresistant to mosaic.
- 282027.** 'Gorrión'. Originally from Colombia. Vine, 120-day maturity. Green bean. Susceptible to root rot and to mosaic.
- 282028.** 'Bayos 5032'. Breeder. Semivine, 105-day maturity. Green bean. Susceptible to root rot; semiresistant to mosaic.
- 282029.** 'Blanco Redondo'. Vine, 120-day maturity. Dry bean. Flowers white. Susceptible to root rot and to mosaic.
- 282030.** 'Guernicas'. Originally from Spain. Vine, 113-day maturity, flowers pink. Susceptible to root rot and to mosaic.
- 282031.** 'Milagros'. Introduced. Vine, 127-day maturity. Susceptible to root rot; semiresistant to mosaic.
- 282032.** 'Coyunda Paine'. Vine, 120-day maturity. Green bean. Susceptible to root rot; resistant to mosaic.
- 282033.** 'Canario Nueva Imp.' Vine, 113-day maturity. Dry bean. Flowers white. Susceptible to root rot; semiresistant to mosaic.
- 282034.** 'Azufrado'. Vine, 120-day maturity. Dry bean. Susceptible to mosaic.
- 282035.** 'Perdices'. Vine, 120-day maturity. Dry bean. Flowers pink. Susceptible to root rot and to mosaic.
- 282036.** 'Japonés'. Introduced. Vine, 98-day maturity.
- 282037.** 'Algarrobo'. Introduced. Semivine, 127-day maturity. Green bean. Flowers pink. Very susceptible to mosaic.
- 282038.** 'Te Temuco'. Vine, 127-day maturity. Green bean. Semiresistant to mosaic.
- 282039.** 'Cabritos'. Vine, 127-day maturity. Dry bean. Flowers white. Susceptible to root rot; semiresistant to mosaic. Outstanding line.
- 282040.** 'Bayos Rancaguinos'. Vine, 127-day maturity. Dry bean. Flowers white. Susceptible to root rot; very susceptible to mosaic. Apparently leaf hopper resistant.
- 282041.** 'Araucanos'. Vine, 127-day maturity. Dry bean. Semiresistant to mosaic.

281969 to 282119—Continued**281969 to 282118—Continued**

- 282042.** 'Bayos B'. Vine, 113-day maturity. Dry bean. Susceptible to mosaic.
- 282043.** 'Chapingo'. Originally from Mexico. Vine, 120-day maturity. Green bean. Flowers white. Susceptible to mosaic.
- 282044.** 'Chancho Eleodoro'. Vine, 134-day maturity, flowers white. Susceptible to root rot and to mosaic. Outstanding line.
- 282045.** 'Pelandrón'. Originally from Italy. Vine, 127-day maturity. Resistant to mosaic.
- 282046.** No. 74. Origin unknown. Dwarf, 105-day maturity, flowers pink. Very susceptible to mosaic.
- 282047.** 'Aragón'. Originally from Spain. Vine, 113-day maturity. Green bean. Susceptible to root rot and to mosaic.
- 282048.** 'Avalitos'. Dwarf, 113-day maturity. Dry bean. Flowers pink. Susceptible to root rot and to mosaic.
- 282049.** 'Coscorrón 43-314'. Breeder. Vine, 140-day maturity. Dry bean. Semiresistant to mosaic.
- 282050.** 'Zacatecas'. Originally from Mexico. Vine, 110-day maturity. Susceptible to mosaic.
- 282051.** 'Mangetout Pleine le Panier'. Originally from France. Semivine, 113-day maturity. Green bean. Susceptible to root rot; very susceptible to mosaic.
- 282052.** 'Azufrados'. Dwarf, 120-day maturity. Dry bean. Very susceptible to root rot; susceptible to mosaic.
- 282053.** 'Frutilla'. Vine, 127-day maturity. Susceptible to mosaic.
- 282054.** 'Pepa de Zapallo'. Semivine, 105-day maturity, flowers white. Very susceptible to mosaic.
- 282055.** 'Chiquito Colorado'. Vine, 134-day maturity, flowers white. Susceptible to root rot and to mosaic.
- 282056.** 'Caballeros'. Vine, 127-day maturity. Dry bean. Flowers white. Susceptible to mosaic.
- 282057.** 'Triguitos'. Semivine, 127-day maturity. Dry bean. Flowers white. Susceptible to mosaic.
- 282058.** 'Arroz'. Introduced. Semivine, 105-day maturity. Dry bean. Susceptible to root rot and to mosaic.
- 282059.** 'Azulillos'. Introduced. Semivine, 127-day maturity. Green bean. Susceptible to root rot and to mosaic.
- 282060.** 'Manteca'. Vine, 120-day maturity. Dry bean. Susceptible to mosaic.
- 282061.** 'Temucanos'. Dwarf, 120-day maturity. Very susceptible to mosaic.
- 282062.** 'Gringos'. Introduced. 120-day maturity. Green bean. Susceptible to mosaic.
- 282063.** 'Vara Argentino'. Originally from Argentina. Dwarf, 113-day maturity, flowers pink. Semiresistant to mosaic.
- 282064.** 'Crema'. Vine, 110-day maturity. Susceptible to root rot and to mosaic.
- 282065.** 'Cristal Bayo'. Semivine, 120-day maturity. Green bean. Susceptible to root rot; very susceptible to mosaic.
- 282066.** 'Bayos Alegres'. Vine, 127-day maturity, flowers pink. Susceptible to root rot and to mosaic.

281969 to 282119—Continued**281969 to 282118—Continued**

- 282067.** 'Racimo'. Vine, 125-day maturity. Semiresistant to mosaic.
- 282068.** No. 2. Origin unknown. Semivine, 105-day maturity. Semiresistant to mosaic.
- 282069.** 'Gringo X'. Introduced. Vine, 90-day maturity. Susceptible to mosaic.
- 282070.** 'Hallados Chicos'. Vine. Dry bean. Semiresistant to mosaic.
- 282071.** 'Araucano Chico'. Vine, 104-day maturity. Dry bean. Semiresistant to mosaic.
- 282072.** 'Burros Españoles'. Originally from Spain. 120-day maturity. Dry bean. Flowers pink. Susceptible to root rot, semiresistant to mosaic.
- 282073.** 'Talca No. 3.'. Semivine, 127-day maturity. Susceptible to mosaic.
- 282074.** 'Ocanero'. Vine, 127-day maturity. Flowers pale pink. Semiresistant to mosaic.
- 282075.** No. 55. Origin unknown. Semivine, 120-day maturity, flowers pink. Susceptible to root rot; resistant to mosaic.
- 282076.** 'Bío-Bío'. Semivine, 120-day maturity. Dry bean. Susceptible to root rot and to mosaic.
- 282077.** 'Hallados Grandes'. Vine, 127-day maturity. Dry bean. Semiresistant to mosaic.
- 282078.** 'Ganadato'. Introduced. Semivine, 135-day maturity. Susceptible to mosaic.
- 282079.** 'Negritos'. Introduced. Vine, 135-day maturity, flowers pink. Very susceptible to mosaic.
- 282080.** 'Mil Por Uno'. Semivine, 120-day maturity. Dry bean. Susceptible to root rot and to mosaic.
- 282081.** 'Quinchamal'. Semivine, 120-day maturity. Green or dry bean. Semiresistant to mosaic.
- 282082.** 'Méjico 10-D'. Originally from Mexico. Vine, 113-day maturity. Susceptible to root rot; semiresistant to mosaic.
- 282083.** 'Parrón'. Vine, 134-day maturity, flowers white. Susceptible to root rot; resistant to mosaic.
- 282084.** 'Avilés'. Semivine, 120-day maturity, flowers yellow. Susceptible to mosaic.
- 282085.** 'Cristal Blanco'. Vine, 120-day maturity. Dry bean. Susceptible to root rot; very susceptible to mosaic.
- 282086.** 'Rocha'. Introduced. Vine, 127-day maturity, flowers pink. Semiresistant to mosaic.
- 282087.** 'Jardinero'. Vine, 105-day maturity. Green bean. Flowers white. Susceptible to mosaic.
- 282088.** 'Hilacha SNA'. Semivine, 113-day maturity. Green bean. Susceptible to mosaic.
- 282089.** 'Tachos'. Semivine, 98-day maturity. Dry bean. Flowers purple. Semiresistant to mosaic. Apparently leaf hopper resistant.
- 282090.** 'Mantecoso de Aragón'. Introduced. Vine, 105-day maturity, flowers red. Susceptible to root rot; semiresistant to mosaic.
- 282091.** 'Méjico 16 U'. Originally from Mexico. Vine, 130-day maturity. Susceptible to root rot and to mosaic.

281969 to 282119—Continued**281969 to 282118—Continued**

- 282092.** 'Grano de Cro'. Vine, 120-day maturity. Dry bean. Susceptible to mosaic. Outstanding line.
- 282093.** 'Claveles'. Semivine, 120-day maturity. Green bean. Flowers white. Susceptible to root rot and to mosaic.
- 282094.** 'Manteca Paine'. Vine, 120-day maturity. Dry bean. Susceptible to mosaic.
- 282095.** No. 643. Origin unknown. Semivine, 120-day maturity, flowers pink. Semiresistant to mosaic.
- 282096.** 'Beyes Temuco'. Vine, 113-day maturity. Green bean. Susceptible to root rot and to mosaic.
- 282097.** 'Canelo'. 135-day maturity, flowers pink. Semiresistant to mosaic.
- 282098.** 'Bondadosos'. Vine, 120-day maturity. Susceptible to mosaic.
- 282099.** 'Desconocidos'. Semivine, 120-day maturity. Susceptible to mosaic.
- 282100.** 'Canario Triste'. Semivine, 105-day maturity. Dry bean. Susceptible to root rot and to mosaic.
- 282101.** No. 750. Origin unknown. Dwarf, 90-day maturity. Semiresistant to mosaic.
- 282102.** 'Olé'. Originally from Spain. Vine, 127-day maturity, flowers pink. Very susceptible to mosaic.
- 282103.** 'Negro San Miguel'. Introduced. Vine, 105-day maturity. Resistant to mosaic.
- 282104.** 'Coscorrón Blanco El Llano'. Vine, 120-day maturity. Dry bean. Susceptible to root rot and to mosaic.
- 282105.** 'Alemanes'. Introduced. Dwarf, 105-day maturity. Green bean. Semiresistant to mosaic.
- 282106.** 'Mantecoso Temuco'. Vine, 120-day maturity. Dry bean. Susceptible to root rot; semiresistant to mosaic.
- 282107.** 'Uribe Redondo'. Originally from Colombia. Semivine, 120-day maturity. Dry bean. Susceptible to mosaic.
- 282108.** No. 84. Origin unknown. Vine, 113-day maturity. Susceptible to root rot and to mosaic.
- 282109.** 'Canela'. Vine, 120-day maturity, flowers pink. Very susceptible to mosaic.
- 282110.** 'Belga Nueva Imperial'. Introduced. Semivine, 105-day maturity. Green bean. Flowers pink. Susceptible to mosaic.
- 282111.** 'Sable Verde'. Dwarf, 113-day maturity. Green bean. Susceptible to root rot; resistant to mosaic.
- 282112.** 'Michoacán 9 A'. Originally from Mexico. Vine, 130-day maturity. Susceptible to mosaic.
- 282113.** 'Coyunda'. Vine, 127-day maturity. Green bean. Flowers pink. Susceptible to mosaic.
- 282114.** 'Verde Temuco'. Semivine, 127-day maturity. Green bean. Very susceptible to mosaic.
- 282115.** 'Sin Nombre'. Introduced. Vine, late maturity, flowers pink. Susceptible to root rot; semiresistant to mosaic.
- 282116.** 'Bueyes'. Vine, 113-day maturity. Green bean. Susceptible to root rot and to mosaic.

281969 to 282119—Continued**281969 to 282118—Continued**

282117. 'Conchuela'. Semivine, 120-day maturity. Green bean. Flowers white. Susceptible to root rot and to mosaic.

282118. 'Coscorron Alto Jahuel'. Semivine, 127-day maturity. Dry bean. Flowers pink. Susceptible to root rot; semiresistant to mosaic.

282119. PHASEOLUS LUNATUS L.**Lima bean.**

'Pallares Corrientes'. Introduced cultivar; growth habit: vine, 150-day maturity, flowers red.

282120 to 282127. ORYZA SATIVA L. Poaceae.**Rice.**

From India. Seeds presented by the Central Rice Research Institute, Cuttack-4. Received July 20, 1962.

Blast resistant varieties.

282120. AC-2250.

282124. 'Hybrid II'.

282121. Co. 4.

282125. 'Ninnidhan'.

282122. Co. 25.

282126. PTB-10.

282123. 'Hybrid I'.

282127. S-67.

282128 to 282167. LOTUS PEDUNCULATUS Cav. Fabaceae.**Big trefoil.**

From Chile. Seeds presented by the Rockefeller Foundation, Santiago. Received July 20, 1962.

282128 to 282132. Plants along roadside and in natural pasture.

282128. No. 501. Dry area 6 miles southeast of Osorno, Osorno Province.

282129. No. 502. Dry area 12 miles southeast of Osorno, Osorno Province.

282130. No. 503. Very dry area 19 miles southeast of Osorno, Osorno Province.

282131. No. 504. Very dry area 25 miles southeast of Osorno, Osorno Province.

282132. No. 505. Very dry area, Centinela, near Octay, Lake Llanquihue.

282133 to 282136. Plants in natural pasture.

282133. No. 506. Very dry area 8 miles west of Octay.

282134. No. 507. Dry area 6 miles east of Osorno.

282135. No. 508. Very dry area 19 miles east of Osorno.

282136. No. 509. Dry area, 28 miles east of Osorno, at Pilmaiquen River falls.

282137. No. 510. Dry area, Experiment Station, Osorno. Roadside plants.

282138. No. 511. Very dry area 2 miles south of Rio Bueno, Valdivia Province. Plants in natural pasture.

282139. No. 512. Very dry area 12 miles east of Rio Bueno. Roadside plant.

282140. No. 513. Very dry area one mile south of Coigue, Lake Ranco. Plants along roadside and in natural pasture.

282141. No. 514. Very dry area 4 miles east of Futrono, Lake Ranco. Roadside plants.

282142. No. 515. Dry area Llifen, Lake Ranco. Roadside plants.

282143. No. 516. Very dry area east of Los Lagos (Huiti). Plants in natural pasture.

282128 to 282167—Continued

282144. No. 518. Very moist area, Agronomy School, Valdivia. Protected plants in backyard.
282145. No. 519. Moist area 4 miles south of Valdivia, Angachilla. Plants in natural pasture.
282146. No. 520. Moist area 6 miles southeast of Valdivia, Santo Domingo. Plants along roadside and in natural pasture.
282147. No. 521. Dry area 12 miles northeast of Valdivia at Pelchuquin. Roadside plants.
282148. No. 522. Very dry area 6 miles south of Lanco at Ciruelos. Roadside plants.
282149. No. 523. Heavily grazed very dry area 4 miles east of Loncoche, Cautin Province. Plants along roadside and in natural pasture.
282150. No. 524. Moist area 9 miles northeast of Loncoche. Roadside plants.
282151. No. 525. Dry area 18 miles north of Loncoche at Quitratue. Roadside plants.
282152. No. 526. Moist area 12 miles south of Temuco. Roadside plants.
282153. No. 527. Moist area 4 miles north of Temuco. Plants along roadside and in natural pasture.
282154. No. 528. Moist area 1 mile south of Vilcun on Quepe River, east of Temuco. Pasture plants.
282155. No. 529. Dry area 4 miles west of Temuco. Plants along roadside and in natural pasture.
282156. No. 530. Heavily grazed moist area 16 miles west of Temuco, along Cautin River. Plants along roadside and riverside.
282157. No. 531. Pilmaiquen, Osorno Province.
282158. No. 532. Pilmaiquen, Osorno Province.
282159. No. 533. Along Lake Ranco.
282160. No. 534. Ensenada, Llanquihue Province.
282161. No. 535. Ensenada, Llanquihue Province.
282162. No. 536. Osorno, Osorno Province.
282163. No. 537. Osorno, Osorno Province.
282164. No. 538. Osorno, Osorno Province.
282165. No. 539. Puerto Varas, Llanquihue Province.
282166. No. 540. Petrufquen, Cautin Province.
282167. No. 541. Valdivia.

282168 to 282170.

From Ghana. Tubers presented by the United States Agency for International Development, Accra. Received July 23, 1962.

282168. *DIOSCOREA ALATA* L. Dioscoreaceae.
'Anomasunwu'. Collected at Hiawoa. July 1962.
282169. *DIOSCOREA DUMETORUM* (Kunth) Pax
'Nkwnfo Fufuo'. Collected at Hiawoanwu. July 1962. Three-leaved.
282170. *DIOSCOREA ROTUNDATA* Poir.
'Puna'. Collected at Hiawoanwu. July 1962. White yam.

282171 to 282217. ORYZA SATIVA L. Poaceae.**Rice.**

From Hungary. Seeds presented by the Ministry of Agriculture, Budapest.
Received July 23, 1962.

- 282171. No. 1178. I.-11.-122. 'Arpa'.
- 282172. No. 1185. I.-11.-701. 'Bulgar Tajfajta'.
- 282173. No. 1191. I.-11.-145. 'Csornuy'.
- 282174. No. 1194. I.-11.-139. 'Dvrosz 215'.
- 282175. No. 1198. I.-11.-116. 'Feher Szkomsz'.
- 282176. No. 1205. I.-11.-117. 'Grunzsulinskij'.
- 282177. No. 1214. I.-11.-141. 'Karasalszkij 86'.
- 282178. No. 1216. I.-11.-120. 'Kedzo'.
- 282179. No. 1218. I.-11.-136. 'Kirmizi'.
- 282180. No. 1219. I.-11.-139. 'Kraszno Armejszkij 313'.
- 282181. No. 1220. I.-11.-133. 'Krasznodari 3,352'.
- 282182. No. 1221. I.-11.-706. 'Krisztoszka I-6-B'.
- 282183. No. 1222. I.-11.-705. 'Krisztoszka II-15-A'.
- 282184. No. 1225. I.-11.-147. 'Kzul-Shali'.
- 282185. No. 1230. I.-11.-603. 'Linea 45'.
- 282186. No. 1231. I.-11.-604. 'Linea 54'.
- 282187. No. 1232. I.-11.-605. 'Linea 70'.
- 282188. No. 1233. I.-11.-126. L.K.V.R.
- 282189. No. 1246. I.-11.-128. 'Ooba'.
- 282190. No. 1248. I.-11.-1. 'Omirt 39'.
- 282191. No. 1249. I.-11.-2. 'Omirt 168'.
- 282192. No. 1250. I.-11.-3. 'Omirt 210'.
- 282193. No. 1251. I.-11.-4. 'Omirt 239'.
- 282194. No. 1254. I.-11.-702. 'Pembe'.
- 282195. No. 1256. I.-11.-144. 'Pervomajszkij'.
- 282196. No. 1258. I.-11.-612. 'Precoce Allorio'.
- 282197. No. 1267. I.-11.-610. 'Stejaru 65'.
- 282198. No. 1268. I.-11.-611. 'Stejaru 68'.
- 282199. No. 1273. I.-11.-17. 'Szaniszlo 1'.
- 282200. No. 1274. I.-11.-18. 'Szaniszlo 2'.
- 282201. No. 1276. I.-11.-5. 'Szegedi Szakallas 21'.
- 282202. No. 1277. I.-11.-6. 'Szegedi Szakallas 27'.
- 282203. No. 1278. I.-11.-7. 'Szegedi Szakallas 28'.
- 282204. No. 1279. I.-11.-8. 'Szegedi Szakallas 30'.
- 282205. No. 1280. I.-11.-19. 'Szelengi 1742'.
- 282206. No. 1285. I.-11.-115. 'Szort 3810'.
- 282207. No. 1289. I.-11.-101. 'Uz-rosz 5'.
- 282208. No. 1290. I.-11.-103. 'Uz-rosz 17'.
- 282209. No. 1291. I.-11.-109. 'Uz-rosz 72'.
- 282210. No. 1292. I.-11.-110. 'Uz-rosz 269'.
- 282211. No. 1293. I.-11.-112. 'Uz-rosz 2741'.

282171 to 282217—Continued

282212. No. 1294. I.-11.-113. 'Uz-rosz 2832'.
 282213. No. 1300. I.-11.-119. 'Uzbeki Tajfajta'.
 282214. No. 1301. I.-11.-16. 'Varsanyhelyi'.
 282215. No. 1302. I.-11.-132. 'Vrosz 213'.
 282216. No. 1305. I.-11.-130. 'Zaravsanszkij 238'.
 282217. No. 1307. I.-11.-127. 'Zolotje Vszhodu'.

282218 to 282366.

From sources indicated. Seeds collected and presented by Paul G. Smith, University of California, Davis, and now held in storage at the Regional Plant Introduction Station, Experiment, Ga. Numbered July 23, 1962.

- 282218 to 282279. *CAPSICUM ANNUM L.* Solanaceae. **Pimento.**
282218. No. 907. 'Chile Piquin'. Nogales, Mexico.
 282219. No. 909. Guatemala City, Guatemala.
 282220. No. 957. Antigua, Guatemala.
 282221. No. 959. Mexico.
 282222. No. 961. 'Mirasol'. Orizaba Valley, Mexico.
 282223. No. 962. Mexico.
 282224. No. 964. Juaresmeno, Mexico.
 282225. No. 967. Taucanhuitz, San Luis Potosi, Mexico.
 282226. No. 969. Papantla, Vera Cruz, Mexico.
 282227. No. 975. Cameron County, Texas.
 282228. No. 981. In wild near Turrialba, Costa Rica.
 282229. No. 985. Turrialba, Costa Rica.
 282230. No. 988. El Salvador.
 282231. No. 991. 'Chili Guero'. Colotlan, Jalisco, Mexico.
 282232. No. 992. 'Chili Cora'. Mezquitez, Jalisco, Mexico.
 282233. No. 993. 'Chili de Arbol'. Mezquitez, Jalisco, Mexico.
 282234. No. 996. 'Chili Cora'. Colotlan, Jalisco, Mexico.
 282235. No. 997. 'Mirasol'. Colotlan, Jalisco, Mexico.
 282236. No. 998. 'Chili Bola'. Ojo Caliente, Mexico.
 282237. No. 999. 'Chili Serrano'. Colotlan, Jalisco, Mexico.
 282238. No. 1000. 'Chili Guero'. Susticacan, Zacatecas, Mexico.
 282239. No. 1001. 'Chili Pasilla'. Susticacan, Zacatecas, Mexico.
 282240. No. 1184. 'Chili de Arbol'. Sihustlan, Jalisco, Mexico.
 282241. No. 1226. 'Chili Tepine'. Alamo, Sonora, Mexico.
 282242. No. 1251. Buenos Aires, Argentina.
 282243. No. 1511. In wild near Turrialba, Costa Rica.
 282244. No. 1513. Commercial import, Chile.
 282245. No. 1535. 'Chili Tepine'. Hermosillo, Mexico.
 282246. No. 1540. 'Chile Largo'. Nicaragua.
 282247. No. 1542. 'Ancho'. Mexico.
 282248. No. 1543. 'Chili Pora'. Tampico, Mexico.
 282249. No. 1544. 'Chili Patarina'. Mexico.

282218 to 282366—Continued**282218 to 282279—Continued**

282250. No. 1548. Guajillo, Mexico.
 282251. No. 1557. Trinidad.
 282252. No. 1750. 'Aji Chiquito'. Garagoa, Colombia.
 282253. No. 1760. 'Pimantero'. Mendoza, Argentina.
 282254. No. 1781. San Juan Prov., Argentina.
 282255. No. 1806. 'Zacapalena'. Puebla, Mexico.
 282256. No. 1807. 'Rayaldo Primero'. Puebla, Mexico.
 282257. No. 1809. 'Rayaldo Colorado'. Puebla, Mexico.
 282258. No. 1810. 'Loco'. Puebla, Mexico.
 282259. No. 1812. 'Pasilla'. Puebla, Mexico.
 282260. No. 1813. 'Chili Ciquin'. Vera Cruz, Mexico.
 282261. No. 1814. 'Cascabel'. Vera Cruz, Mexico.
 282262. No. 1815. Vera Cruz, Mexico.
 282263. No. 1816. 'Chili Gordo'. Vera Cruz, Mexico.
 282264. No. 1817. 'Mirasol'. Aguas Calientes, Mexico.
 282265. No. 1818. 'Ancho'. La Piedad, Mexico.
 282266. No. 1819. 'Catarina'. La Piedad, Mexico.
 282267. No. 1820. 'Guajillo'. La Piedad, Mexico.
 282268. No. 1821. 'Cascabel'. Queretaro, Mexico.
 282269. No. 1823. 'Turkish Hot'. Turkey.
 282270. No. 1824. 'Ethiopian Hot'. Ethiopia.
 282271. No. 1859. San Ignacio de Velasco, Santa Cruz, Bolivia.
 282272. No. 1884. San Pablo Laguna, Philippine Islands.
 282273. No. 1949. Iraq.
 282274. No. 1950. Iraq.
 282275. No. 1951. Iraq.
 282276. No. 1952. Iraq.
 282277. No. 1953. Iraq.
 282278. No. 1954. Stockton, California.
 282279. No. 1957A. Navajoa, Mexico.

282280 to 282304. CAPSICUM FRUTESCENS L.**Redpepper.**

282280. No. 834. Guadalcanal, Solomon Islands.
 282281. No. 835. Efate, New Hebrides.
 282282. No. 904. 'Rat Chili'. Commercial import, Mexico.
 282283. No. 965. Saipan, Mariana Islands.
 282284. No. 971. Jesus Carranza, Vera Cruz, Mexico.
 282285. No. 978. Turrialba, Costa Rica.
 282286. No. 979. Turrialba, Costa Rica.
 282287. No. 982. Turrialba, Costa Rica.
 282288. No. 983. Turrialba, Costa Rica.
 282289. No. 987. Tamalero, Guatemala.
 282290. No. 989. 'Mombassa'. Africa.

282218 to 282366—Continued**282280 to 282304—Continued**

282291. No. 1246. La Florida, Costa Rica.
 282292. No. 1249. Palenque, Mexico.
 282293. No. 1531. 'Aji Chico'. Tolu, Bolivar, Colombia.
 282294. No. 1538. 'Chili Redondo'. Nicaragua.
 282295. No. 1738. Surinam.
 282296. No. 1864. Paicol, Huila, Colombia.
 282297. No. 1879. 'Kandari'. Malabar, India.
 282298. No. 1881. Lachnar, Bagaar, India.
 282299. No. 1882. Mindanao, Philippine Islands.
 282300. No. 1883. Mindanao. Philippine Islands.
 282301. No. 1885. Cebu City, Philippine Islands.
 282302. No. 1887. Cebu City, Philippine Islands.
 282303. No. 1888. Cagayan de Oro, Philippine Islands.
 282304. No. 1889. Cagayan de Oro, Philippine Islands.

282305. CAPSICUM MICROCARPUM Cav.

- No. 1553. Todos Santos, Cochabamba, Bolivia.

282306 to 282331. CAPSICUM PENDULUM Willd.

282306. No. 917. Puirá, Peru.
 282307. No. 921. El Topo, Ecuador.
 282308. No. 922. Moquiquito, Peru.
 282309. No. 923. Cuzco, Peru.
 282310. No. 924. Cuzco, Peru.
 282311. No. 927. Cuzco, Peru.
 282312. No. 928. Cuzco, Peru.
 282313. No. 930. Tingua, Peru.
 282314. No. 931. Tingua, Peru.
 282315. No. 974. Tunguraqua, Ecuador.
 282316. No. 980. Turrialba, Costa Rica.
 282317. No. 990. 'Brown's Pepper'. Oahu, Hawaii.
 282318. No. 1232. 'Comari'. Pelotas, Rio Grande do Sul, Brazil.
 282319. No. 1233. 'Hot Pepper'. Pelotas, Rio Grande do Sul, Brazil.
 282320. No. 1244. 'Aji Cristal'. Santiago, Chile.
 282321. No. 1492. Peru.
 282322. No. 1494. Peru.
 282323. No. 1517. Commercial import, Chile.
 282324. No. 1532. 'Dulce Nombres'. Neuvo Leon, Mexico.
 282325. No. 1755. 'Cristal'. Mendoza, Argentina.
 282326. No. 1792. Valle Grande, Florida, Bolivia.
 282327. No. 1857. San Ignacio de Velasco, Santa Cruz, Bolivia.
 282328. No. 1871. 'Chifre de Veado'. Campinas, Brazil.
 282329. No. 1874. 'Sertaozinho'. Campinas, Brazil.

282218 to 282366—Continued**282306 to 282331—Continued**

282330. No. 1941. Stockton, California.

282331. No. 1955. Vicosá, Brazil.

282332 to 282366. CAPSICUM SINENSE L.**Pepper.**

282332. No. 902. Commercial import, Mexico.

282333. No. 906. 'Uvilla Grande'. Commercial import, Mexico.

282334. No. 910. Turrialba, Costa Rica.

282335. No. 1755. 'Cristal'. Mendoza, Argentina.

282336. No. 1266. British Guinea.

282337. No. 1269. British Guinea.

282338. No. 1491. Peru.

282339. No. 1493. Peru.

282340. No. 1496. 'Chirel'. Margarita Island, Venezuela.

282341. No. 1499. 'Sweet Red'. Margarita Island, Venezuela.

282342. No. 1515. Commercial import, Chile.

282343. No. 1541. Rurrenabueque, Rio Beni, Bolivia.

282344. No. 1554. Todos Santos, Cochabamba, Bolivia.

282345. No. 1555. Todos Santos, Cochabamba, Bolivia.

282346. No. 1556. Todos Santos, Cochabamba, Bolivia.

282347. No. 1720. Surinam.

282348. No. 1725. Surinam.

282349. No. 1736. Surinam.

282350. No. 1740. Surinam.

282351. No. 1741. Surinam.

282352. No. 1774. 'Aji Dulce'. Rio Piedras, Puerto Rico.

282353. No. 1786. Huancayo, Peru.

282354. No. 1795. 'Regina de Flores'. Mariquita, Tolima, Colombia.

282355. No. 1797. 'Aji Guateque'. Boyaca, Colombia.

282356. No. 1799. 'Chile Habanero'. Yucutan, Mexico.

282357. No. 1801. 'Aji'. Cagues, Puerto Rico.

282358. No. 1849. 'Chirel Grande'. Maracay, Venezuela.

282359. No. 1850. 'Vinagrillo'. Maracay, Venezuela.

282360. No. 1851. 'Aji Picante'. Maracay, Venezuela.

282361. No. 1852. 'Aceituno'. Maracay, Venezuela.

282362. No. 1853. 'Aceitico'. Maracay, Venezuela.

282363. No. 1865. Paicol, Huila, Colombia.

282364. No. 1878. 'Datil Pepper'. St. Petersburg, Fla.

282365. No. 1946. Ecuador.

282366. No. 1947. Trinidad.

282367. RIBES sp. Grossulariaceae.

From New Zealand. Cuttings presented by the Horticultural Research Station, Levin. Received July 24, 1962.

'Levin Early'.

282368 and 282369. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From New Zealand. Tubers presented by R. G. Robinson, Limited, Christchurch. Received June 13, 1962. Numbered July 24, 1962.

282368. 'Aucklander Short Top'. Introduced from England. A second early variety that produces fair to good yields of high quality table potatoes. Susceptible to second-growth, it has small top growth and not much drought resistance. All stocks considered 100 percent infected with virus Y. Widely grown in New Zealand, where there is an annual rainfall of 25 to 40 inches. Some blight resistance. Storage fair.

282369. 'Ilam Hardy'. A Robinson cross of 'Chippewa' × 'Arran Pilot', Scottish early variety. The most adaptable potato on the New Zealand market. A consistently heavy cropper of good cooking quality. Field-immune to virus X but susceptible to hollow or internal blemish. Blight resistance average. Storage good. Second early maturing but can be grown as a first early where winter grown.

282370 to 282381. TRIFOLIUM REPENS L. Fabaceae.**Whiteclover.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Geneva, N.Y. Numbered July 24, 1962.

282370. FC-24657. G-11851. 'Italian Ladino'. Purchased from Seaboard Seed Co., Philadelphia, Pa. Plants cultivated, exceptionally large, spreading to 45 inches the first year and 80 inches the second year; vigor better than average, winter hardy; flowers unusually late.

282371. FC-24901. G-11852. 'Italian Ladino'. Collected by the Forage and Range Research Branch, port of entry, New York City. Plants cultivated, spread and size larger than average; vigor average, winter hardy, maintaining an exceptional stand through a severe winter; late-flowering.

282372. FC-32767. G-11853. 'Wisconsin Ladino'. Purchased from L. L. Olds Seeds Co., Madison, Wis. Plants cultivated, size and vigor average the first year, above average the second year, winter hardy; flowers later than average.

282373. FC-33143. G-11854. 'Australian Irrigation Dutch'. From Australia, as an irrigation strain of 'White Dutch'. Plants cultivated, bigger than average size, especially in second year; vigor average, winter hardy; flowering time normal.

282374. FC-33151. G-11855. 'Vermont Polyploid Dutch'. Developed at the University of Vermont by doubling chromosome number of P.I. 214207, from Israel. Plants cultivated, wide spreading, better than average vigor; winter hardy; stolons abundant, early; leaflets large, distinctive. May be resistant to root curculio.

282375. FC-34705. G-11857. 'Granladino'. Developed at the Forage Experiment Station, Lodi, Italy. Plants reportedly vigorous, upright, prolific and tall under irrigation or with adequate moisture; leaves pale; watermarks distinct. Geneva reports plants similar to P.I. 282376, but better and faster growing, not quite as winter hardy and earlier flowering.

282376. FC-34704. G-11856. 'Nordic'. Developed by Prof. Rudolf, Germany. Plants cultivated, reportedly prostrate, slow in early development; foliage dense, very dark green, average size, very faintly marked. Probably drought resistant and winter hardy. Geneva reports it a very rapid grower and spreader, plants and leaves large; winter hardiness and stand above average; vigor above average for two years; flowers very late.

282377. G-11858. 'Partita No. 1' or 'Contest No. 1'. Received from the Università Delgi Studi di Perugia, Institut de Agronomia e Colt., Erba-
cee, Perugia, Italy. Plants cultivated, large to very large, stand in second year medium; vigor average or a little above; late flowering.

282370 to 282381—Continued

- 282378.** G-11859. 'Perugia Ladino'. Received from the Università Studi di Perugia, Istituto de Agronomia e Colt., Erbacee, Perugia, Italy, as "Certified Original Ladino". Plants cultivated, above average size; winter hardiness and stand excellent; late flowering.
- 282379.** G-11860. 'Pretoria Reverence 46'. From the Department of Agronomy, Agricultural Research Station, Pretoria, South Africa. Plants cultivated, of average size and vigor; winter hardiness and stand excellent; flowering late mid-season.
- 282380.** G-11861. 'Hokkaido Ladino'. From the United States via the Hokkaido Agricultural Experiment Station, Japan. Plants cultivated, large, spreading to 90 inches; vigor above average second year; winter hardiness excellent; stand average; stolons, petioles, leaves large; late flowering.
- 282381.** G-11862. 'North American Ladino'. From North America via the Agricultural Research Center, Piikkio, Finland. Seeds from elite plants acclimatized 10-12 years in Finland. Plants cultivated, slightly above average in size and vigor; winter hardiness excellent, stand medium; late flowering.

282382 to 282384.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 26, 1962.

282382. POA sp. Poaceae.
No. C-348.

282383. POA sp.

No. C-349. Received as *P. caespitosa*. Urriara Crossing, Murrumbidgee River.

282384. POA sp.

No. C-350. Mt. Tidbinbilla.

282385 to 282395. ORYZA SATIVA L. Poaceae. Rice.

From Malaya. Seeds presented by the Department of Agriculture, Kuala Lumpur. Received July 26, 1962.

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| 282385. 'Acheh Putah'. | 282391. 'Radin Kuning'. |
| 282386. 'Arak Naga'. | 282392. 'Radin Siak'. |
| 282387. 'Mayang Ebos 80'. | 282393. 'Serendah Putch'. |
| 282388. 'Mayang Sagumpal'. | 282394. 'Seri Raja'. |
| 282389. 'Morak Sepilai Kechil'. | 282395. 'Subang Intan 117'. |
| 282390. 'Padang Trengganu 22'. | |

282396. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae. Leadtree.

From the Philippines. Seeds presented by the Bureau of Animal Industry, Manila. Received July 26, 1962.

282397 and 282398. HIBISCUS SABDARIFFA L. Malvaceae. Roselle.

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received July 26, 1962.

282397. No. 1.

282398. No. 2. Plants about 1 foot high; leaves small, rare.

282399. ZEA MAYS L. Poaceae. Corn.

From Colombia. Seeds presented by the Centro Nacional de Investigaciones Agrícolas "Tulio Ospina," Medellín. Received July 26, 1962.

Collection PER. 589 Colombia Germ Plasm Bank=NRC No. 4895=PP 302-6 in races of maize in Peru. Origin 52B.

282400 to 282403. ORYZA SATIVA L. Poaceae. Rice.

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Nishigahara, Kitaku, Tokyo. Received July 26, 1962.

282400. 'Aichi-Asahi'. **282402.** 'Ishikari-Shiroke'.

282401. 'Ginga'. **282403.** 'Norin No. 20'.

282404 and 282405.

From Colombia and Honduras. Seeds presented by the Inter-American Institute for Agricultural Sciences, Turrialba, Costa Rica. Received July 27, 1962.

282404. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From the Introduction Garden, D.I.A., Ministry of Agriculture, Palmira, Colombia. Plants appeared very thrifty and disease free.

282405. *LEUCAENA* sp.

Collected from quebada bank 19 km. from Tegucigalpa, Honduras, road to Olancho.

282406. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Nigeria. Seeds received from the West African Cocoa Research Institute, Moor Plantation, Ibadan. Received July 26, 1962. Numbered July 30, 1962.
'Amelonado'.

282407. PANICUM MAXIMUM Jacq. Poaceae. Guineagrass.

From the Philippines. Seeds presented by the Bureau of Plant Industry, Manila. Received July 30, 1962.

Collected at the La Granja Experiment Station, La Carlota, Negros Occidental Province, Negros.

282408 and 282409.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 30, 1962.

282408. *BOTHRIOCHLOA EWARTIANA* (Domin) C. E. Hubb. Poaceae.

Grown at the Cunningham Laboratories, University of Queensland, St. Lucia, Brisbane.

282409. *CHRYSOPOGON FALLAX* S. T. Blake Poaceae.

Grown at the Cunningham Laboratories, University of Queensland, St. Lucia, Brisbane.

282410 to 282414.

From Australia. Seeds presented by the Royal Botanic Garden, Sydney. Received July 30, 1962.

282410. *EUCALYPTUS NIPHOPHILA* Maiden & Blakely Myrtaceae.

282411 and 282412. *EUCALYPTUS PAUCIFLORA* Sieber ex Spreng.

White gumtree.

282411. 'Nana'.

282412. Forest form.

282410 to 282414—Continued282413. *EUCALYPTUS PULVERULENTA* Sims282414. *EUCALYPTUS STELLULATA* DC.**282415. LANTANA VELUTINA Mart. & Gal. Verbenaceae.**

From Mexico. Plants collected by a team from the University of Arizona, Tucson, on exploration into Mexico in 1959. Numbered July 30, 1962.

Collected near Culiacan, Sinaloa. Plant erect, to 3 feet high; flowers white.

282416 to 282425.

From India. Seeds presented by the Forest Research Institute, Dehra Dun. Received July 30, 1962.

282416. *ACACIA BENTHAMII* Rochbr. Mimosaceae.282417. *ACACIA CATECHU* (L.f.) Willd.282418. *ACACIA LENTICULARIS* Buch.-Ham.282419. *ACACIA MODESTA* Wall.282420. *LAGERSTROEMIA INDICA* L. Lythraceae. **Common crapemyrtle.**282421. *LAGERSTROEMIA SPECIOSA* (Muench.) Pers. **Queen crapemyrtle.**282422. *LAGERSTROEMIA TOMENTOSA* Pvesl.282423. *LAGERSTROEMIA TURBINATA* Koehne282424. *MICHELIA CHAMPACA* L. Magnoliaceae. **Champac.**282425. *WOODFORDIA FRUTICOSA* (L.) Kurz. Lythraceae.**282426 to 282438.**

From New Zealand. Plants purchased from Duncan and Davies, Westown, New Plymouth. Received July 30, 1962.

282426. *HIBISCUS ROSA-SINENSIS* L. Malvaceae. **Chinese hibiscus.**282427. *ILEX PARAGUARIENSIS* St. Hil. Aquifoliaceae. **Yerba mate.**282428. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.282429. *MAGNOLIA DELAVAYI* Franch.282430. *MAGNOLIA GRANDIFLORA* L.282431. *MAGNOLIA GRANDIFLORA* f. *LANCEOLATA* (Ait.) Rehder282432. *MAGNOLIA KOBUS* var. *BOREALIS* Sargent282433. *MAGNOLIA OBAVATA* Thunb.282434. *MAGNOLIA SIEBOLDII* K. Koch **Oyama magnolia.**282435. *MAGNOLIA SINENSIS* (Rehd. & Wils.) Stapf.282436. *MAGNOLIA* × *VIETCHII* Bean282437. *MAGNOLIA* × *WATSONII* Hook. f.282438. *VIBURNUM OPULUS* L. Caprifoliaceae. **European cranberry bush.**
'Osbornei'.**282439. SALVIA SCLERA L. Menthaceae. Common clary.**

From Turkey. Seeds presented by the United States Embassy, Ankara. Received August 1, 1962.

Collected in the steppe region, near Ankara.

282440 to 282450.

From the Republic of South Africa. Seeds presented by the Horticultural Research Station, Pretoria. Received August 1, 1962.

282440. CUCUMIS AFRICANUS L. f. Cucurbitaceae.

Kalahari, Northern Cape Province. Annual herb; stems prostrate; flowers monoecious, bright yellow; fruit variable in size and shape, ellipsoid to oblong; the large fruits are a relished refreshment and source of water among the natives, the smaller ones usually are bitter and poisonous; spines dense, to 10 mm. long.

282441. CUCUMIS ANGOLENSIS Hook. f. ex Cogn.

South West Africa. Glaucous perennial; stems prostrate to climbing, not much branched; tendrils glabrescent; flowers monoecious, bright yellow; fruit ellipsoid, smooth, glabrous, yellowish green to pale lemon yellow, longitudinally variegated, to 5 cm. long, slightly bitter.

282442. CUCUMIS ANGURIA var. LONGIPES (Hook. f.) A. Meense

Gatooma, Southern Rhodesia. Annual monoecious creeper; stems to 3 meters long; tendrils stoutish; fruit large, ellipsoid or subglobose, light yellowish green to bright yellow when ripe, bitter.

282443. CUCUMIS ASPER Cogn.

South West Africa. Dioecious perennial; stems numerous from woody rootstock, prostrate to climbing, to 75 cm. long; tendrils slender, long; flowers rarely monoecious, pale yellow; fruit ellipsoid, densely covered with retrorse aculeae on a thick, hard base, grayish green with longitudinal dark green bands when ripe, to 3 cm. long, slightly bitter when young, non bitter and tasty when ripe.

282444. CUCUMIS DINTERI Cogn.

South West Africa. Canescent perennial; stems suberect or decumbent to 50 cm. long, often very woody; tendrils short; flowers monoecious, bright light yellow; fruits smooth subglobose when ripe, yellow to orange, to 5 cm. long, very bitter.

282445. CUCUMIS FICIFOLIUS A. Rich.

South West Africa. Prostrate monoecious perennial herb; stems several, from a woody rootstock; tendrils stout; fruit broadly ovoid to subglobose, glabrous yellowish brown when mature.

282446. CUCUMIS HEPTADACTYLUS Naud.

Northern Cape Province. Woody dioecious perennial; stems prostrate, slender, branched, to 1.5 meters long; tendrils very short; fruit ovoid or ellipsoid with dark longitudinal bands, to 5 cm. long.

282447. CUCUMIS LEPTODERMIS Schweick.

Orange Free State. Annual, monoecious prostrate herb; stems several, branches, to 1 meter long; tendrils long; fruit on peduncle to 2.5 cm. long, globose, longitudinally zoned into light and dark green bands; spines few, short, soft.

282448. CUCUMIS MELO L.**Muskmelon.**

Pretoria, Transvaal. Plant annual creeper; stems branched, sometimes short; tendrils well developed; flowers monoecious, light yellow; fruit in the wild variable, smooth, usually green, mottled in bands, to 6 cm. long; pulp white. Seeds are from indigenous wild form, widely distributed in the warmer regions, where it is common as a weed on cultivated land.

282449. CUCUMIS MYRIOCARPUS Naud.**Gooseberry gourd.**

Pretoria, Transvaal. Monoecious annual; stems prostrate, branched, to two meters long; tendrils slender, short; fruit broadly ellipsoid to subglobose, green with longitudinal dark blackish or purplish brown bands when nearly ripe turning rusty orange; spines numerous, soft, curved. Common weed on cultivated lands.

282440 to 282450—Continued

282450. CUCUMIS ZEYHERI Sond.

Herbaceous perennial with thin woody roots; stems several, annual, prostrate, rarely climbing, to 2 meters long; flowers monoecious; fruit ellipsoid, light yellow, spine covered, poisonous; spines soft, short.

282451 and 282452.

From Germany. Seeds presented by the Deutsche Akademie der Wissenschaften zu Berlin, Gatersleben, via Institut f. Acker-u. Pflanzenbau, Weihenstephan. Received August 3, 1962.

282451. TRITICUM SPHAEROCOCCUM var. SPICATUM Percival Poaceae.

A TRI 3415/61. Ears bearded; glumes white, glabrous; grain red.

282452. TRITICUM SPHAEROCOCCUM var. TUMIDUM Percival

A TRI 3008/61.

282453. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.

From Ethiopia. Seeds presented by the Agency for International Development, Jimma. Received August 3, 1962.

Grown in Dado area, 25 km. ENE of Jimma. Elevation 1,770 meters. Annual rainfall 160 to 190 cm.

282454. PANICUM MAXIMUM Jacq. Poaceae. Guinea grass.

From Rhodesia. Seeds presented by the Grasslands Research Station, Marandellas. Received August 3, 1962.

'Sabi' strain, collected in the Sabi River Valley in southeastern Rhodesia.

282455 to 282457. ORYZA SATIVA L. Poaceae. Rice.

From Thailand. Seeds presented by the Rice Department, Ministry of Agriculture, Bangkok. Received August 3, 1962.

282455. 'Nahng Mon S-4'.

282456. 'Leaug Yai 34'.

282457. 'Pah Leuauud 111'.

282458. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae. Leadtree.

From Colombia. Seeds presented by the Servicio de Investigacion y Promocion Agraria, Lima, Peru. Received August 3, 1962.

Collected in Cauca Valley, Colombia.

282459. HIBISCUS BIFURCATUS Cav. Malvaceae. Rosemallow.

From Surinam. Seeds presented by the Agricultural Experimental Station, Paramaribo. Received August 3, 1962.

282460 to 282474.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, The Cunningham Laboratory, Queensland. Received August 6, 1962.

282460. LEUCAENA INSULARUM (Guillaumin) Daniker Mimosaceae.

C.P.I. 30835. 'Feifar'. From Sopa-tongatapu, Tonga.

282461 to 282473. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Leadtree.

282461. Q544. Thursday Island, Queensland.

282462. C.P.I. 19580. Tauva, Fiji.

282463. C.P.I. 19582. Tene, New Caledonia.

282460 to 282474—Continued**282461 to 282473—Continued**

282464. C.P.I. 28106. Inst. Agronomico, Campinas, Sao Paulo, Brazil.
 282465. C.P.I. 29215. 'Ipilipil'. Tiaong, Philippines.
 282466. C.P.I. 29633. Roadside near Hankin, Thailand.
 282467. C.P.I. 30479. Central Vietnam.
 282468. C.P.I. 30481. Coffee Plantation, Hung-hoe, Vietnam.
 282469 to 282473. From naturalized plants.
 282469. Bald Hills, Queensland.
 282470. Darwin, Northern Territory.
 282471. Gayndah, Queensland.
 282472. Gympie, Queensland.
 282473. Innesfail, Queensland.

282474. *LEUCAENA* sp.

C.P.I. 31182. Formosa.

282475. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Hawaii. Cuttings presented by the Honolulu Sugar Planters' Association Experiment Station, Honolulu. Received August 9, 1962.

49-3533.

282476. DIOSCOREA DUMETORUM (Kunth) Pax Dioscoreaceae.

From Ghana. Tubers presented by the Agency for International Development, Accra. Received July 23, 1962. Numbered August 9, 1962.

'Nkanfo Kokoo'. Collected at Hiawoanwu.

282477 and 282478.

From the Republic of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newland. Received August 9, 1962.

282477. *CLEMATIS BRACHIATA* Thunb. Ranunculaceae.

282478. *MYRSINE MITIS* Spreng. Myrsinaceae.

Received as *Ilex mitis*.

282479. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Canada. Seeds presented by the Horticultural Experiment Station, Vineland, Ontario. Received August 9, 1962.

'Vogue' (41-A-1). A new staking tomato developed for the Niagara Peninsula. Plants vigorous, thick stemmed; fruit clusters long, 5 to 6 per cluster, maturing 2 to 3 days earlier than 'Harkness' or 'Earliest-of-All'; fruits average 4.3 ounces, usually very smooth, ripening uniformly, some concentric cracking when excessive moisture follows very dry weather.

282480. DAUCUS CAROTA L. Apiaceae. Carrot.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received August 9, 1962.

'Osinskaya'. Developed in the Perm region. Adapted to the severe conditions of the Urals. Plants high yielding; roots store well.

282481 to 282555.

From the United States. Seeds collected by O. Shifriss and held at Rutgers University, New Brunswick, N.J. Numbered August 13, 1962. GC numbers are gourd collection numbers.

282481 to 282555—Continued

- 282481 to 282483.** *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. **Squash.**
- 282481.** GC-54. A winter squash from the Eastern States Farmers Exchange, West Springfield, Mass. A cultivated exhibition type; fruit weighing to 133 lbs.; skin white; flesh pale pink; cavity small, fibrous; seeds large.
- 282482.** GC-55. A winter squash purchased in Troy, New York. Plants cultivated, probably 'Buttercup'; unique in its green- and red-striped color variegations mostly on the navel portion. Seed small. Fruit sold as an ornamental.
- 282483.** GC-56. A squash from the Eastern States Farmers Exchange, West Springfield, Mass. A cultivated exhibition type, originally from Portugal. Fruit similar to 'Red Essex', but green, large, flattened, densely warted; warts large; flesh deep yellow.
- 282484 to 282487.** *CUCURBITA PEPO* L. **Pumpkin.**
- 282484.** GC-57. 'Meader Star' from the University of New Hampshire, Durham. A new mutant, fruit elongate, 'Table Queen' shape, with yellow star on proximal end; seed naked.
- 282485.** GC-58. Cultivated. Similar to GC-57, except yellow star not prominent.
- 282486.** GC-59. Cultivated. Similar to GC-58, except yellow star very subdued. Seed from selfed fruit 5985-4.
- 282487.** GC-60. Cultivated. From the University of New Hampshire, Durham. Self-pollinated fruit from prolific bush plant; fruit resembles 'Little Gem', but more flattened. Edible and ornamental.
- 282488 to 282555.** *CUCURBITA PEPO* var. *OVIFERA* (L.) Alef. **Ornamental gourd.**
- 282488.** GC-1M. Cultivated yellow-flowered ornamental gourd from a mass selection in a field at Stormville, N.Y. Plants typical vine habit; fruits variable, including predominantly warty, intensely pigmented, monochrome and bicolored, some edible types.
- 282489.** GC-1N. Naked seeds found in P.I. 282488.
- 282490.** GC-1S. Smallest seeds found in P.I. 282488.
- 282491.** GC-2. Cultivated at Stormville, N.Y. Fruit small, bicolored, warty; summer squash.
- 282492.** GC-3. Cultivated at Stormville, N.Y. Fruit a small bicolored "bottle" resembling 'Early Prolific'. Ornamental.
- 282493.** GC-4. Cultivated ornamental purchased at Yorktown, N.Y. Fruit small, moderately intense pigmentation, bicolored, striped, pear-shaped. Uncontaminated *C. ovifera* with unique color pattern.
- 282494.** GC-5. Cultivated ornamental purchased at Yorktown, N.Y. Fruit intensely pigmented, bicolored.
- 282495.** GC-6. Cultivated ornamental purchased at Yorktown, N.Y. Fruit typical spoon.
- 282496.** GC-7. Cultivated ornamental purchased at Yorktown, N.Y. Fruit very intensely pigmented, nonstriped, warty, pear shaped.
- 282497.** GC-8. Cultivated ornamental purchased near Danbury, Conn. Fruit a bicolored spoon with an expanded belly.
- 282498.** GC-9. Cultivated ornamental purchased near Buckingham, Pa. Fruit elliptic, tapering towards the proximal end, bicolored, lightly pigmented, nonstriped.
- 282499.** GC-10. Cultivated ornamental from the University of Vermont, Burlington. Fruit ringed, bicolored, spoon type.

282481 to 282555—Continued**282488 to 282555—Continued**

- 282500.** GC-11. Cultivated ornamental from Stormville, N.Y. Fruit pear shaped, moderately pigmented, striped, with wavy border between green and yellow areas.
- 282501.** GC-12. Cultivated ornamental purchased near Plymouth, N.H. Fruit pear shaped, bicolored, moderately pigmented, striped.
- 282502.** GC-13. Cultivated ornamental purchased in Deerfield, Mass. Fruit spindle shaped, striped bicolor, warts few.
- 282503.** GC-14. Cultivated ornamental purchased in Meredith, N.H. Fruit small, spindle shaped, striped, bicolored lightly, pigmented.
- 282504.** GC-15. Cultivated ornamental purchased near Troy, N.Y. Fruit striped, bicolored, spoon with yellow confined to proximal end.
- 282505.** GC-16. Cultivated ornamental purchased in Meredith, N.H. Fruit small, dark green, inconspicuously striped, with yellow in proximal region.
- 282506.** GC-17. Cultivated ornamental purchased in Deerfield, Mass. Fruit elongate nonstriped, bicolored, speckled and scalloped, with a "magnetic field", a new genetic character, between scallops.
- 282507.** GC-18. Cultivated ornamental from the Eastern State Farmers Exchange, West Springfield, Mass. Fruits elongate, pear shaped, bicolored.
- 282508.** GC-19. Cultivated ornamental purchased in Danbury, Conn. Fruit bicolored, 15 cm. long and 6 cm. wide, constricted along proximal end.
- 282509.** GC-20. Cultivated ornamental purchased in Rutland, Vt. Fruit nonstriped, bicolored with an extremely small green area at distal end, attractive spoon.
- 282510.** GC-21. Cultivated ornamental purchased near Troy, N.Y. Fruit small, flat, slightly corrugated, nonstriped.
- 282511.** GC-22. Cultivated ornamental purchased near Troy, N.Y. Fruit very small (16 grams) flattened globe, white.
- 282512.** GC-23. Cultivated ornamental from a field in Stormville, N.Y. Fruit top shaped, very densely warty, light green speckled with white; unusual.
- 282513.** GC-24. Cultivated; purchased near Burlington, Vt. Fruit small, pear shaped, white.
- 282514.** GC-25. Cultivated ornamental purchased near Troy, N.Y. Fruit small (3 cm. diameter), spherical, uniformly green.
- 282515.** GC-26. Cultivated ornamental purchased near Rutland, Vt. Fruit 6 cm. wide, orange color, 'Little Gem' shape.
- 282516.** GC-27. Cultivated ornamental purchased near Meredith, N.H. Fruit globe shaped, medium to small size, yellow-orange color.
- 282517.** GC-28. Cultivated ornamental purchased near Danbury, Conn. Fruit disc shaped, 9.5 cm. diameter, white.
- 282518.** GC-29. Cultivated; purchased near Plymouth, N.H. Fruit 11 cm. long, 6.5 cm. wide, elongate to spindle shaped, moderately warty, nonstriped, cream color.
- 282519.** GC-30. Cultivated ornamental purchased near Danbury, Conn. Fruit smallish, flattened globe with white-speckled green ground.
- 282520.** GC-31. Cultivated ornamental purchased near Shelbourne, Vt. Fruit medium size, broad at distal end, tapering towards proximal end, very warty, unusual green color superimposed on white ground.

282481 to 282555—Continued**282488 to 282555—Continued**

- 282521.** GC-32. Cultivated ornamental from a field in Stormville, N.Y. Fruit elongate, warty, attractive for its unusual green color.
- 282522.** GC-33. Cultivated ornamental purchased near Rutland, Vt. Fruit 7.5 cm. long, 6 cm. wide, slightly warty, green.
- 282523.** GC-34. Cultivated ornamental from a field in Stormville, N.Y. Fruit flattened, warty, with intense black-green color.
- 282524.** GC-35. Cultivated ornamental purchased near Plymouth, N.H. Fruit elongated, pear shaped, smallish, lightly pigmented, green striped on almost white ground.
- 282525.** GC-36. Cultivated ornamental purchased near Troy, N.Y. Fruit egg shaped, light green striped on white ground.
- 282526.** GC-37. Cultivated ornamental purchased near Danbury, Conn. Fruit disc shaped, flat topped, tapering slightly towards distal end, almost inconspicuously scalloped, moderately pigmented, yellow and orange striped when ripe.
- 282527.** GC-38. Cultivated ornamental presented by the University of Vermont, Burlington. Fruit pumpkin shaped, smallish, striped.
- 282528.** GC-39. Cultivated ornamental from a field in Stormville, N.Y. Fruit bell shaped, with broad and flat distal end, proximal neck slightly constricted, smallish, dark-green striped on yellow ground.
- 282529.** GC-40. Cultivated ornamental from a field in Stormville, N.Y. Fruit spindle shaped, broader at proximal end, smallish, few large conspicuous warts, dark-green striped and lacelike pattern on white ground.
- 282530.** GC-41. Cultivated ornamental purchased near Buckingham, Pa. Fruit elongate, egg shaped, smallish, dark green blotches on broken stripes on light gray-green ground.
- 282531.** GC-42. Cultivated ornamental purchased in Clarendon, Vt. Fruit disc shaped with distinct dark-green striped and speckling on light-green ground turning yellow when ripe.
- 282532.** GC-43. Cultivated ornamental purchased in Clarendon, Vt. Fruit small, oblate, dark-green striped on yellow ground.
- 282533.** GC-44. Cultivated ornamental from a field in Stormville, N.Y. Fruit smallish, disc shaped, warty, blackish-green striped on white ground.
- 282534.** GC-45. Cultivated ornamental purchased near Meredith, N.H. Fruit disc shaped, orange striped on yellow ground.
- 282535.** GC-46. Cultivated ornamental from a field in Stormville, N.Y. Fruit small, oblate, sparsely warty.
- 282536.** GC-47. Cultivated ornamental purchased near Troy, New York on State Highway 7 to Bennington, Vt. Fruit small, oblate, striped dark green.
- 282537.** GC-48. Ornamental presented by the University of Vermont, Burlington Fruit of 'Crown of Thorns' or 'Ten Commandments'. Typical shape and size, white.
- 282538.** GC-49. Ornamental purchased in Rutland, Vt. Fruit 'Crown of Thorns', proximal end narrow, white.
- 282539.** GC-50. Cultivated ornamental purchased in Rutland, Vt. Fruit 'Crown of Thorns' with protruding distal end "thorns" distinct and separate.
- 282540.** GC-51. Cultivated ornamental purchased near Meredith, N.H. Fruit bicolored carrying gene W.

282481 to 282555—Continued**282488 to 282555—Continued**

- 282541.** GC-52. Cultivated ornamental purchased near Meredith, N.H. Fruit abnormal 'Crown of Thorns', elongate with receding scallops.
- 282542.** GC-53. Cultivated ornamental purchased near Meredith, N.H. Fruit 'Crown of Thorns' with small, irregular scallops and "thorns".
- 282543 to 282555.** Presented by the Eastern States Farmers Exchange, West Springfield, Mass.
- 282543.** GC-62. Ornamental. Packet of seeds of 'Brundage Mixture'.
- 282544.** GC-63. Cultivated commercial variety. 'Brundage Mixture', Stock No. 77288.
- 282545.** GC-64. Cultivated. Seed packet of V-202 Stock No. 77299; special selections of warty gourds.
- 282546.** GC-65. Cultivated. Seed packet of 'Super Mixture' V-282, Stock No. 77299. Originally from Clause, France.
- 282547.** GC-66. Cultivated. Seed packet of 'Bicolor Spoon', Stock No. 77253. Self pollinated.
- 282548.** GC-67. Cultivated. Seed packet of 'Spoon', Stock No. V-979T. Self pollinated.
- 282549.** GC-68. Cultivated. Seed packet of 'Bicolor Pear', V-199NT, Lot. No. 77296. Formerly from a Pennsylvania farm.
- 282550.** GC-69. Cultivated. Seed packet of 'Crown of Thorns', V-203, Lot No. 77293.
- 282551.** GC-70. Cultivated. Seed packet of 'Crown of Thorns', V-130T, Lot No. 77281.
- 282552.** GC-71. Cultivated. Seed packet of 'Crown of Thorns', 5933, Lot No. 77230.
- 282553.** GC-72. Cultivated. Seed packet of 'Crown of Thorns', 58-25, Lot No. 77254.
- 282554.** GC-73. Cultivated. Seed packet of 'Bicolor', V-883.
- 282555.** GC-74. Cultivated. Seed packet of 'Orange', V-200, Lot No. 77298.

282556 to 282559. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From the Sudan. Seeds presented by the Agency for International Development, Khartoum. Received August 14, 1962.

282556. ECR 985.

282557. ECR 986.

282558. 'Sudan No. 1'. Collection from Southern Sudan. It is mostly red stemmed, medium late and segregates for leaf shape.

282559. 'Tozi' mixed.

282560. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Poland. Seeds presented by the USDA European Regional Research Office, United States Embassy, Rome, Italy. Received August 14, 1962.

'Vysokolitowka Sztouostoms'. From the Institute of Plant Breeding and Acclimatization, Warsaw.

282561. HIBISCUS FURCATUS Willd. Malvaceae.

From India. Seeds presented by the Ministry of Scientific Research and Cultural Affairs, Botanical Survey of India, Calcutta. Received August 14, 1962.

From the Southern Circle, Coimbatore.

282562. LATHYRUS SYLVESTRIS L. Fabaceae. Flat peavine.

From France. Seeds presented by the Institut National de la Recherche Agronomique, Paris. Received August 14, 1962.

282563 and 282564.

From Great Britain. Cuttings presented by the Royal Botanic Gardens, Kew, England. Received August 14, 1962.

282563. HIBISCUS ROSA-SINENSIS L. Malvaceae. Chinese hibiscus.
'Flora Plena'.

282564. HIBISCUS sp.
'Laterita'.

282565 to 282569.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 17, 1962.

282565. NEPTUNIA MONOSPERMA F. Muell. Mimosaceae.
Q-496. McKee 9415. Dimbulah.

282566. SORGHUM LAXIFLORUM F. M. Bailey Poaceae.
Q-492.

282567. SORGHUM PLUMOSUM (R. Br.) Beauv.
Q-493.

282568. ZORNIA DIPHYLLO (L.) Pers. Fabaceae.
Q-494. McKee 9478. Cairns. Received as *Z. dyctiocarpa*, a synonym.

282569. ZORNIA DICTYCARPA DC.
Q-495. McKee 9400. Atherton. Received as *Z. murciculata*.

282570 and 282571. BRASSICA NAPUS L. Brassicaceae. Rape.

From Japan. Seeds presented by the United States Embassy, Tokyo. Received August 17, 1962.

282570. 'Aburamasari'.

282571. 'Norin 17'.

282572 to 282684. HORDEUM SPONTANEUM C. Koch Poaceae.

From Israel. Seeds presented by the Hebrew University, Rehovot. Received August 17, 1962.

282572. No. 10001.	282586. No. 10015.
282573. No. 10002.	282587. No. 10016.
282574. No. 10003.	282588. No. 10017.
282575. No. 10004.	282589. No. 10018.
282576. No. 10005.	282590. No. 10019.
282577. No. 10006.	282591. No. 10020.
282578. No. 10007.	282592. No. 10021.
282579. No. 10008.	282593. No. 10022.
282580. No. 10009.	282594. No. 10023.
282581. No. 10010.	282595. No. 10024.
282582. No. 10011.	282596. No. 10025.
282583. No. 10012.	282597. No. 10026.
282584. No. 10013.	282598. No. 10027.
282585. No. 10014.	282599. No. 10028.

282572 to 282684—Continued

282600.	No. 10029.	282643.	No. 12003.
282601.	No. 10030.	282644.	No. 12004.
282602.	No. 10031.	282645.	No. 12005.
282603.	No. 10032.	282646.	No. 12006.
282604.	No. 10033.	282647.	No. 13000.
282605.	No. 10034.	282648.	No. 13001.
282606.	No. 10035.	282649.	No. 13002.
282607.	No. 10036.	282650.	No. 14000.
282608.	No. 10037.	282651.	No. 14001.
282609.	No. 10038.	282652.	No. 14002.
282610.	No. 11001.	282653.	No. 14003.
282611.	No. 11002.	282654.	No. 14004.
282612.	No. 11003.	282655.	No. 15000.
282613.	No. 11004.	282656.	No. 15001.
282614.	No. 11005.	282657.	No. 16000.
282615.	No. 11006.	282658.	No. 16002.
282616.	No. 11007.	282659.	No. 16003.
282617.	No. 11008.	282660.	No. 16004.
282618.	No. 11009.	282661.	No. 16005.
282619.	No. 11010.	282662.	No. 16006.
282620.	No. 11011.	282663.	No. 16007.
282621.	No. 11012.	282664.	No. 16008.
282622.	No. 11013.	282665.	No. 16009.
282623.	No. 11014.	282666.	No. 16010.
282624.	No. 11015.	282667.	No. 16011.
282625.	No. 11016.	282668.	No. 17000.
282626.	No. 11017.	282669.	No. 17001.
282627.	No. 11018.	282670.	No. 17002.
282628.	No. 11019.	282671.	No. 17003.
282629.	No. 11020.	282672.	No. 17004.
282630.	No. 11021.	282673.	No. 18002.
282631.	No. 11022.	282674.	No. 18003.
282632.	No. 11023.	282675.	No. 18004.
282633.	No. 11024.	282676.	No. 18005.
282634.	No. 11025.	282677.	No. 18006.
282635.	No. 11026.	282678.	No. 18007.
282636.	No. 11027.	282679.	No. 18008.
282637.	No. 11028.	282680.	No. 19000.
282638.	No. 11029.	282681.	No. 19001.
282639.	No. 11030.	282682.	No. 19002.
282640.	No. 12000.	282683.	No. 19003.
282641.	No. 12001.	282684.	No. 19004.
282642.	No. 12002.		

282685. PRUNUS SALICINA Lindl. Amygdalaceae.

From India. Seeds presented by the Government Horticultural Research Institute, Saharanpur. Received August 20, 1962.

'Jamuni' plum.

282686. ALBIZZIA ADIANTHIFOLIA (Schum.) W.F. Wight Mimosa-ceae.

From Rhodesia. Seeds presented by the United States Embassy, Salisbury. Received Oct. 17, 1962.

Received as *A. fastigiata* and *A. gummifera*, synonyms.

282687. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From the Union of Soviet Socialist Republics. Intercepted by the U.S. Quarantine officials at Idlewild Airport, N.Y., Sept. 8, 1961. Received Oct. 17, 1962.

'Bezostaya 1'. Awnless.

282688. LATHYRUS SYLVESTRIS L. Fabaceae. Flat peavine.

From Sweden. Seeds presented by the Weibullsholm Plant Breeding Institute, Landskrona. Received Oct. 17, 1962.

282689. TIBOUCHINA sp. Melastomataceae.

From Peru. Seeds collected and presented by J. Wurdack, Smithsonian Institution, Washington, D.C. Received Oct. 17, 1962.

Col. No. 632.

282690. NICOTIANA GLAUCA R. Grah. Solanaceae. Tree tobacco.

From Venezuela. Seeds presented by the Facultad de Agronomica, Universidad Central de Venezuela, Maracay. Received Oct. 18, 1962.

282691 and 282692.

From Mexico. Seeds presented by the National Agricultural Research Institute, Mexico City. Received Oct. 18, 1962.

282691. DESMODIUM sp. Fabaceae.

'Horse Marmalade'. Collected in the State of Veracruz.

282692. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae. Leadtree.

Collected in the State of Veracruz where it is known as 'Guaje' or 'Huaxim'.

282693. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

From the United States. Seeds presented by Mrs. J. L. Hargrove, Rockville, Md. Received Oct. 18, 1962.

Grown near Highlands, N.C., presumably genetically isolated for years. Plant to 14 inches high, reportedly semivine; pods to 8 inches long; seeds white.

282694. PYRACANTHA ATALANTIOIDES (Hance) Stapf Malaceae.

From Germany. Plants purchased from Kayser & Seibert, Rossdorf bei Darmstadt. Received Oct. 19, 1962.

'Compacta'.

282695 to 282701.

From Hong Kong. Seeds presented by Urban Services Department, Victoria. Received Oct. 19, 1962.

282695. ARDISIA CRISPA (Thunb.) DC. Myrsinaceae.**282696. DELONIX REGIA (Boj.) Raf. Caesalpinaceae. Royal poinciana.**

282695 to 282701—Continued

282697. *ILEX ASPRELLA* Champ. ex Benth. Aquifoliaceae.

282698. *ILEX HANCEANA* Maxim.

282699. *LILIUM BROWNII* Poit. Liliaceae.

Browns lily.

282700. *RHODOLEIA CHAMPIONI* Hook. Hamamelidaceae.

282701. *VIBURNUM SEMPERVIRENS* K. Koch Caprifoliaceae.

282702. *LATHYRUS SYLVESTRIS* L. Fabaceae.

Flat peavine.

From Sweden. Seeds presented by the Swedish Seed Association, Uppsala. Received Oct. 23, 1962.

Plants in wild, Bjorklinge, near Uppsala.

282703 and 282704.

From Peru. Seeds collected and presented by J. Wurdack, Smithsonian Institution, Washington, D.C. Received Oct. 23, 1962.

282703. *SALPINGA* sp. Malastomataceae.

Col. No. 1917. Herb with pink petals.

282704. (Undetermined.) Gesneriaceae.

Col. No. 1996. Marnon, a hot, wet area.

282705. *MEDICAGO* sp. Fabaceae.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Oct. 25, 1962.

Standard 7709/62. I/827.

282706. *ARACHIS HYPOGAEA* L. Fabaceae.

Peanut.

From Nigeria. Seeds presented by the Agency for International Development, Ministry of Agriculture and Natural Resources, Ibadan. Received Oct. 25, 1962.

'Giant Sized' strain. Oyo Province, a savannah area with about 45 inches annual rainfall, western Nigeria.

282707. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard Poaceae.

From China. Plants presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received May 22, 1962. Numbered Oct. 25, 1962.

A 89.

282708 to 282750.

From Israel. Seeds presented by the Faculty of Agriculture, Rehovot under Public Law 480 Project A10-CR-20. Received Aug. 20, 1962.

282708 to 282727. *AVENA BARBATA* Brot. Poaceae.

282708. D-3. Rehovot, southern coastal plain.

282709. D-4. Gat, Judean foothills.

282710. D-13. Bat Galim, Haifa Bay.

282711. D-14. Mishmar Ha'emek, Valley of Esdraelon.

282712. D-17. Kiriat Tiv'on, lower Galilee.

282713. D-18. Jerusalem, Jordan Mountains.

282714. D-32. Kfar Tavor, lower Galilee.

282715. D-36. Hiram Junction, Upper Galilee.

282716. D-39. Malkia, upper Galilee.

282717. D-42. Sands of Hadera, central coastal plain.

282708 to 282750—Continued**282708 to 282727—Continued**

282718. D-45. Hasolelim, lower Galilee.
 282719. D-51. Ashdod-Yam, southern coastal plain.
 282720. D-54. Hadera River, central coastal plain.
 282721. D-55. Sholmi, western Galilee.
 282722. D-58. Beit Oren, Mount Carmel.
 282723. D-59. Rosh Hanikra, northern coastal plain.
 282724. D-66. Kfar Hasadim, Haifa Bay.
 282725. D-70. Goodeida, western Galilee.
 282726. D-74. Yavor, western Galilee.
 282727. D-77. Beit Goovrin, Jordean Mountains.

282728 and 282729. AVENA BARBATA var. WIESTII (Steud.) Hausskn.

282728. 8-4. Mivtahim, western Negev.
 282729. 8-6. Gevoolot, western Negev.

282730. AVENA LONGIGLUMIS Dur.

- 9-1. Even Yehuda, central Coastal Plain.

282731 to 282750. AVENA STERILIS L.**Animated oats.**

282731. D-9. Sands of Hadera, central coastal plain.
 282732. D-11. East of Hadera, central coastal plain.
 282733. D-12. Bat Galim, Haifa Bay.
 282734. D-19. Sde Boker, Negev.
 282735. D-21. Malkia, upper Galilee.
 282736. D-22. Zichron Ya'akoo, Mount Carmel (south).
 282737. D-23. Ar'ara, Samaria.
 282738. D-25. Kiriat Tiv'on, lower Galilee.
 282739. D-26. Yiftah, upper Galilee.
 282740. D-27. Eilaboon, central Galilee.
 282741. D-31. Kfar Tavor, lower Galilee.
 282742. D-35. East of Hadera, central coastal plain.
 282743. D-37. Hiram Junction, upper Galilee.
 282744. D-38. Ara Valley, Samaria.
 282745. D-40. Eilaboon, central Galilee.
 282746. D-41. Sands of Hadera, central coastal plain.
 282747. D-43. Tabha, Lake of Galilee.
 282748. D-48. Eilon, western Galilee.
 282749. D-52. Ashdod-Yam, southern coastal plain.
 282750. D-53. Hadera River, central coastal plain.

**282751 and 282752. PENNISETUM CLANDESTINUM Hochst. ex
Chiovenda Poaceae. Kikuyugrass.**

From Kenya. Seeds presented by Grassland Research Station, Kitale. Received August 22, 1962.

282751. K 6118. From Molo, 8,000 feet elevation.
 282752. K 53955. From Kitale, 6,200 feet elevation.

282753 to 282756. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Fiji. Cuttings presented by the South Pacific Sugar Mills Limited, Lautoka. Received August 27, 1962.

282753. 'Fiji 36'. 282755. 'Fiji 70'.

282754. 'Fiji 66'. 282756. 'Fiji 71'.

282757 and 282758.

From Peru. Seeds collected and presented by J. Wurdack, Smithsonian Institution, Washington, D.C. Received August 27, 1962.

282757. BRACHYOTUM COGNIAUXII Wurdack Melastomataceae.

Col. No. 1268. A very showy Melastomataceae.

282758. TIBOUCHINA sp. Melastomataceae.

Col. No. 1392.

282759 and 282760.

From Nepal. Seeds presented by G.A.C. Herklots, Katmandu. Received August 27, 1962.

282759. CLEMATIS sp. Ranunculaceae.

Elevation 1,000 feet.

282760. CLEMATIS sp.

From above Godavari Temple. Elevation 5,000 feet.

282761 and 282762.

From Great Britain. Cuttings presented by Maurice Mason, Talbot Manor, Fincham Kings Lynn, Norfolk. Received August 28, 1962.

282761. HIBISCUS ROSA-SINENSIS L. Malvaceae. Chinese hibiscus.
'FL PL'.

282762. HIBISCUS sp.

'Denison 11'.

282763. HIBISCUS MASTERSIANUS Hiern. Malvaceae.

From Rhodesia. Seeds presented by the United States Embassy, Salisbury. Received August 28, 1962.

RBD 7812.

282764. PASPALUM sp. Poaceae.

From Paraguay. Seeds presented by the Mennonite Central Committee, Asuncion. Received August 28, 1962.

From an isolated part of the Experiment Farm, near Filadelfia, in the Chaco.

282765. LATHYRUS SYLVESTRIS L. Fabaceae. Flat peavine.

From the Netherlands. Seeds presented by the Foundation of Agricultural Plant Breeding, Wageningen. Received August 28, 1962.

Originally from Brussels, Belgium.

282766 to 282771. ORYZA SATIVA L. Poaceae. Rice.

From the Republic of Senegal. Seeds presented by the Station Experimentale de Institut de Recherches Agronomiques Tropicales, Dakar. Received August 28, 1962.

282766. E-425.

282767. 'Jappein Tunkungo'.

282768. R-67.

282766 to 282771—Continued

282769. R-75.
 282770. RT-1.095 S26.
 282771. 'Tguape Catelo'.

282772 to 282783.

From Israel. Seeds presented by the Plant Introduction Service, Beit Dagan.
 Received August 28, 1962.

- 282772 to 282776. *AVENA BARBATA* Brot. Poaceae.
 282772. D-42. Coastal plain sands of Hadera.
 282773. D-51. Coastal plain Ashdad Yam.
 282774. D-55. Shlomi, western Galilee.
 282775. D-74. Yavor, western Galilee.
 282776. D-87. Coastal plain Tel Baruch junction.
 282777 to 282781. *AVENA STERILIS* L. **Animated oats.**
 282777. D-12. Bat Galim, Haifa Bay.
 282778. D-19. Sde Boker, Negev.
 282779. D-26. Yiftah, upper Galilee.
 282780. D-31. Kfar Tabor, lower Galilee.
 282781. D-37. Hiram Junction, upper Galilee.
 282782 and 282783. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae.
 282782. C-177-I.
 282783. I-52-208. Mt. Carmel.

282784 to 282797.

From the Republic of South Africa. Seeds presented by the Agricultural
 Technical Services, Pretoria. Received August 28, 1962.

- 282784 to 282786. *CENCHRUS CILIARIS* L. Poaceae. **Buffelgrass.**
 282784. B/52/63. 'Graaff Reinets'.
 282785. B/59/288. 'Molopo' strain.
 282786. B/61/178. 'Thabazimbe'.
 282787 to 282790. *PENNISSETUM MACROURUM* Trin. Poaceae.
 282787. B/59/56. Waterfall, Witbank.
 282788. B/59/189. Elgin Cape.
 282789. B/59/192. Waterfall, Witbank.
 282790. U/59/76. Tanganyika.
 282791. *PENNISSETUM NATALENSE* Stapf
 B/57/72. Barberton.
 282792 to 282796. *PENNISSETUM TYPHOIDES* (Burm.) Stapf & Hubbard
 282792. B/62/103. Barberton.
 282793. B/62/104. Transvaal region.
 282794. B/62/105. Barberton.
 282795. B/62/107. Glen.
 282796. B/62/108. Highveld region.
 282797. *PENNISSETUM* sp.
 B/62/106. Babala. C.C.P.

282798 and 282799.

From Israel. Seeds presented by the Havath-Noy Garden, Post Rupin Institute of Agriculture, Tel Aviv-Jaffa. Received August 28, 1962.

282798. CAESALPINIA GILLIESII (Hook.) Wall. ex Loefgren. Caesalpinia-ceae.

Of garden origin. Received as *Poinciana gilliesii*, a synonym.

282799. CAESALPINIA PULCHERRIMA (L.) Swartz **Flowerfence.**

Of garden origin. Received as *Poinciana pulcherrima*, a synonym.

282800. ORYZOPSIS HOLCIFORMIS (Bieb.) Hack. Poaceae.

From Israel. Seeds presented by the Plant Introduction Service, Beit Dagan. Received August 30, 1962.

A-172. Propagated at Beit Dagan nursery, 1962.

282801 to 282813.

From Paraguay. Seeds presented by the Instituto Agronomico Nacional, Servicio Tecnico Inter-Americano de Cooperacion Agricola, Caacupe. Received August 30, 1962.

282801. PASPALUM CONJUGATUM Berg Poaceae.

282802. PASPALUM GUENOARUM Arech.

282803 to 282805. PASPALUM NOTATUM Fluegge **Bahiagrass.**

282803. No. 1.

282804. No. 2.

282805. No. 742.

282806. PASPALUM ROJASII Hack.

282807. PASPALUM cf. MACROPHYLLUM HBK. (?)

No. 1.

282808 and 282809. PASPALUM ROJASII Hack.

282808. No. 2.

282809. No. 3.

282810. PASPALUM sp.

No. 125.

282811 to 282813. PASPALUM ROJASII Hack.

282811. No. 126.

282812. No. 127.

282813. No. 129.

282814 and 282815. PRUNUS CERASUS L. Amygdalaceae. Sour cherry.

From Denmark. Scions presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received September 4, 1962.

Grown in Knuthenborg Estate Orchards, Bandholm.

282814. 'Stevns'.

282815. 'Late Stevns'.

282816. HIBISCUS BIFURCATUS Cav. Malvaceae. Rosemallow.

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received September 4, 1962.

282817. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae.
Leadtree.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received September 4, 1962.

Taiwan local variety, but not native.

282818. GOSSYPIUM ARBOREUM L. Malvaceae.
Asiatic tree cotton.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received September 4, 1962.

'Obtusifolium'. Originally from Karachi, Pakistan.

282819 to 282825. ORYZA SATIVA L. Poaceae. Rice.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received September 4, 1962.

282819. C-115. 282823. Kaohsiung line 164.

282820. 'Chia-nung 242'. 282824. 'Pai-kan Tau'.

282821. Kaohsiung line 135. 282825. 'Taitung Yu 83'.

282822. Kaohsiung line 137.

282826 to 282879.

From Chad. Seeds presented by Pierre Bezot through the United States Embassy, Fort Lamy. Received September 4, 1962.

All cultivated from Ferme de Deli, Moundou. Code numbers of Deli origin.

282826 to 282828. SORGHUM (hybrids). Poaceae.

282826. No. 1104. 'Oua n'da'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months; panicle somewhat lax; glumes very long; seeds clear ivory, without brown hulls, very hard. An intermediate between *S. membranaceum* and *S. elegans*, much valued as food.

282827. No. 1421. 'Oua n'da'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months; panicles moderately long; seeds yellow, moderately hard. An intermediate between *S. membranaceum* and *S. elegans*.

282828. No. 1453. 'Tosoredje'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months; panicles very lax; glumes very long; seeds clear white, without brown hulls, moderately hard. Intermediate between *S. membranaceum* and *S. elegans*, much valued as food.

282829 to 282843. SORGHUM CAUDATUM (Hack.) Stapf

282829. No. 20. 'Nadjada'. Abou Deia, latitude 11° N.; annual rainfall 750 mm. Plants grow to 2.5 meters high, an early type maturing in 3 months; panicles semicompact; seeds red, large, starchy.

282830. No. 91A. 'M'Bao Djinguell'. Bousso, latitude 10° to 11° N.; annual rainfall 800 mm. Plants grow to 4 meters high, mature in 5 months; panicles semicompact, spindly; seeds white, without brown hulls, starchy, of good size. May be field sown or transplanted.

282831. No. 204. 'N'Damadjar'. Bousso, latitude 10° to 11° N.; annual rainfall 800 mm. Plant grows to 3.5 meters high, matures in 5 months; panicles spindly, semicompact; seeds red, without brown hull. May be field sown or transplanted.

282832. No. 243. 'Madara'. Melfi, latitude 11° N.; annual rainfall 750 mm. Plants grow to 2.5 meters high, mature in 3 months; panicles semicompact; seeds red, starchy. Early type.

282826 to 282879—Continued**282829 to 282843—Continued**

- 282833.** No. 571. 'Bakmal'. Baibokoum, latitude 8° N.; annual rainfall 1,300 to 1,400 mm. Plants grow to 3.5 meters high, mature in 5 months; panicles cylindrical, semicompact; seeds yellowish, without brown hulls, passably good. Type 'Berre', late.
- 282834.** No. 614. 'Ouaie Abna'. Massenya, latitude 11° to 12° N.; annual rainfall 700 mm. Plants grow to 2.5 meters high, mature in 3 months; panicles somewhat compact; seeds red, starchy, with brown hull. Early type.
- 282835.** No. 740. 'Oua Berr'. Lai, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 4 meters high, mature in 6 months; panicles cylindrical, semicompact; seeds small, white, without brown hulls, hard. Type 'Berre', late.
- 282836.** No. 821. 'Mokoye'. Lai, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 3 meters high, mature in 3 months; panicles semicompact; seeds red, very starchy. Early type.
- 282837.** No. 981. 'Kouran N'Da'. Doba, latitude 8° to 9° N.; annual rainfall 1,100 mm. Plants grow to 2 meters high, mature in 5 months; panicles cylindrical, semicompact; seeds white, with brown hulls, starchy. Type 'Kouran', semilate; grown around huts; used in making beer.
- 282838.** No. 1008. 'Kouran Kass'. Doba, latitude 8° to 9° N.; annual rainfall 1,100 mm. Plants mature in 5 months; panicle cylindrical, semicompact; seeds reddish, with brown hulls, very starchy. Type 'Kouran'; semilate; main variety around huts; used in making beer.
- 282839.** No. 1027. 'Kowian'. Koumra, latitude 9° N.; annual rainfall 1,000 mm. Plants mature in 5 months; panicles cylindrical semicompact; seeds brown, with brown hulls, very starchy. Type 'Kouran'; semilate; grown around huts; used in making beer.
- 282840.** No. 1032. 'Gop'. Koumra, latitude 9° N.; annual rainfall 1,100 mm. Plants mature in 5 months; panicles cylindrical, semicompact; seeds white with brown hulls, starchy. Type 'Kouran', semilate; bird feed.
- 282841.** No. 1038. 'Godji'. Koumra, latitude 9° N.; annual rainfall 1,000 to 1,100 mm. Plants grow to 3 meters high, mature in 3 months; panicles semicompact; seeds red, very starchy. Early type.
- 282842.** No. 1049. 'Kell'. Koumra, latitude 9° N.; annual rainfall 1,100 mm. Plants mature in 6 months; panicles semicompact; seeds small, whitish, without brown hulls, hard. Type 'Berre'; late.
- 282843.** No. 1297. 'Sian'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5 months; stalks juicy; seeds white, with brown hull, hard.

282844 to 282856. SORGHUM ELEGANS (Koern.) Snowden

- 282844.** No. 499. 'Oua Kela'. Moissala, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months; stalk recurved when mature; panicles loose; seeds white, without brown hull, hard.
- 282845.** No. 708A. 'Oua Kela'. Koumra, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 4 meters, mature in 6 months; stalks recurved when mature; panicles lax; seeds whitish, without brown hulls, somewhat hard.
- 282846.** No. 988. 'Oua n'da'. Doba, latitude 8° N.; annual rainfall 1,100 mm. Plants grow to 4 meters high, mature in 6 months; stalks recurved when mature; panicles lax; seeds whitish, without brown hull, somewhat hard.

282826 to 282879—Continued**282844 to 282856—Continued**

282847. No. 1168. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hull, somewhat hard.
282848. No. 1172. 'Oua Kass'. Koundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, clear, without brown hull, somewhat hard.
282849. No. 1241. 'Djabao'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hulls, somewhat hard.
282850. No. 1250. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hulls, somewhat hard.
282851. No. 1260. 'Oua Nide'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds whitish, without brown hulls, very hard.
282852. No. 1264. 'Oua N'da'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds white, large, without brown hulls, somewhat hard.
282853. No. 1335. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hulls, somewhat starchy.
282854. No. 1372. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hulls, somewhat hard.
282855. No. 1439. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall 1,100 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hull, starchy.
282856. No. 1532. 'Oua N'da'. Moundou, latitude 9° N.; annual rainfall 1,100 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds whitish, small, without brown hulls, hard.
- 282857 and 282858. SORGHUM GUINEENSE Stapf**
282857. No. 380. 'Galang Oualema'. Gounou Gaya, latitude 9° to 10° N.; annual rainfall 900 to 1,000 mm. Plants grow to 5 meters high, mature in 5.5 months; panicles very long; glumes open; seeds crosswise, white, flat, without brown hulls, hard. Culture is limited to the "Toubouri" zone in Chad.
282858. No. 856. 'Mir N'da'. Gore, latitude 8° N.; annual rainfall 1,200 to 1,300 mm. Plants grow to 5 meters high, mature in 5.5 months; panicles very long; glumes fully open; seeds crosswise, white, flat, without brown hulls, hard. Suitable for culture outside "Toubouri".
- 282859 to 282867. SORGHUM MELLITUM Snowden.**
282859. No. 674. 'Loussour'. Massenya, latitude 11° N.; annual rainfall 800 mm. Plants grow to 3.5 meters high, mature in 4 months; panicles lax; stalks juicy; seeds light brown, with brown hulls, moderately hard. A syrup sorghum of interest to zones with scant rainfall.

282826 to 282879—Continued**282859 to 282867—Continued**

- 282860.** No. 687. 'Loussour'. Massenya, latitude 11° N.; annual rainfall 800 mm. Plants grow to 3.5 meters high, mature in 4.5 months. Stalks juicy; panicles lax; seeds light brown, with brown hull, hard. An early syrup sorghum.
- 282861.** No. 706. 'Siam Beirade'. Koumra, latitude 9° to 10° N.; annual rainfall 1,000 mm. Plants mature in 6 months; stalks juicy; seeds violet with brown hulls, starchy. A syrup sorghum.
- 282862.** No. 1037. 'Kade Balia'. Koumra, latitude 9° N.; annual rainfall 1,000 mm. Plants mature in 5 months; stalks juicy; seeds violet, with brown hulls, starchy. A syrup sorghum.
- 282863.** No. 1110. 'Sian Dondje'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5 months; stems juicy; seeds with brown hulls, somewhat starchy. A syrup sorghum.
- 282864.** No. 1114. 'Sian Bongo Dog'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5 months; stalks juicy; seeds with brown hulls. A syrup sorghum.
- 282865.** No. 1139. 'Sian Guebe'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5 months; stalks juicy; seeds beige, with brown hulls, starchy. A syrup sorghum.
- 282866.** No. 1309. 'Sian Tegne'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5.5 months; stalks juicy, seeds rose-colored, starchy. A syrup sorghum.
- 282867.** No. 1435. 'Sian Oua'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5.5 months; stalks juicy; seeds beige, small, with brown hulls, hard. A syrup sorghum.

282868 to 282876. SORGHUM MEMBRANACEUM Chiov.

- 282868.** No. 428. 'Sian'. Kelo, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 4 meters high, mature in 5.5 months; panicles lax; stalks juicy; seeds beige, with brown hulls, starchy. A syrup sorghum.
- 282869.** No. 720. 'Oua Kela'. Koumra, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 4 meters high, mature in 6 months; panicles semilax; glumes very long; seeds white, without brown hulls, moderately hard. Much valued as food; unsuitable for beer.
- 282870.** No. 888. 'Sian Do Kou'. Moundou, latitude 9° N.; annual rainfall 1,100 to 1,200 mm. Plants grow to 3.5 meters, mature in 6 months. Stalks juicy; seeds beige, with brown hulls, starchy. A syrup sorghum.
- 282871.** No. 984. 'Kade Berkoujon'. Doba, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants grow to 4.5 meters, mature in 6 months. Stalks juicy; seeds reddish, hard. A syrup sorghum.
- 282872.** No. 1345. 'Mese Bore'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 3.5 meters, mature in 6 months; panicles semilax; glumes very long; seeds white, moderately hard. Much valued as food.
- 282873.** No. 1405. 'Sian Dou Dog'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5.5 months; stalks juicy; seeds whitish, hard, without brown hulls. A syrup sorghum.
- 282874.** No. 1469. 'Mesa Doubia'. Moundou, latitude 9° N.; annual rainfall 1,100 mm. Plants grow to 3.5 meters high, mature in 6 months; panicles semilax; glumes very long; seeds white. Much valued as food.
- 282875.** No. 1484. 'Kalanga'. Moundou, latitude 9° N.; annual rainfall 1,100 mm. Plants grow to 3 meters high, mature in 5 months; panicles semilax; glumes very long; seeds white, without brown hulls, very hard. Much valued as food.

282826 to 282879—Continued**282868 to 282876—Continued**

282876. No. 1495. 'Kalanga'. Kala, latitude 9° to 10° N.; annual rainfall 1,000 mm. Plants grow to 3.5 meters high, mature in 6 months; panicles semilax; glumes very long; seeds white, without brown hulls, very hard. Much valued as food.

282877 to 282879. SORGHUM NOTABILE Snowden

282877. No. 786. 'Oua Kam Kero'. Lai, latitude 9° to 10° N.; annual rainfall 1,000 mm. Plants grow to 4 meters high and mature in 5 months; stalks slender; panicles long; seeds slightly transverse, bearing glumes, gray, starchy, with brown hulls.

282878. No. 989. 'Mir'. Doba, latitude 9° N.; annual rainfall 1,100 mm. Plants grow to 5 meters high, mature in 5 months; stalks slender; panicles long, lax; seeds transverse, red, starchy, with brown hulls.

282879. No. 995, 'Mir'. Doba, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 5 months; stalks slender; panicles long, lax; seeds transverse, red, large, starchy, with brown hulls. For beer.

282880 to 282897.

From Uruguay. Seeds presented by the Facultad de Agronomía, Universidad de la República, Montevideo. Seeds collected from plants in the Botanic Garden. Received September 5, 1962.

282880. *BRIZA ERECTA* Lam. Poaceae.

No. 3090. From Balneario "Kiyu", Department of San Jose.

282881. *BRIZA FUSCA* (Parodi) Parodi

No. 55. From Desconocido.

282882. *BRIZA TRILOBA* Nees

No. 310. From Desconocido.

282883. *PASPALUM BRASILIENSE* (Spreng.) Hackel Poaceae.

No. 3570. From a moist, sandy location at Bawado de Rocha, Department of Tacuarembó.

282884 to 282890. *PASPALUM DILATATUM* Poir. **Dallisgrass.**

282884. No. 1064. From Kilometer 56, Camino a la Represa, Department of Canelones.

282885. No. 1386. From Parque Lecocq, Department of Montevideo.

282886. No. 1561. From Paso de la Isleta and along the stream of the same name, Department of Salto.

282887. No. 1710. Sandy soil along Ruta Interbalneria near Balneario Fortin de Santa Rosa.

282888. No. 3036. From a low place, Granja Modelo.

282889. No. 3653. From a low, moist field at Estancio Arrarte, 13 km. from Pueblo 18 de Julio, Department of Rocha.

282890. No. 3734. From a low, sandy location at Paso Real along Arroyo Batovi Dorado, Department of Rivera.

282891. *PASPALUM HAUMANII* Parodi

No. 3. From a moist situation, Arazati, Department of San Jose.

282892. *PASPALUM JURGENSII* Hack.

No. 221. From rough country, Cuervos, Department of Treinta and Tres.

282893. *PASPALUM NICORAE* Parodi

No. 3044. From Parque Lecocq, Department of Montevideo.

282880 to 282897—Continued

282894 and 282895. *PASPALUM URVILLEI* Steud. **Vaseygrass.**

282894. No. 3572. From moist sandy location, Banado de Roche, Department of Tacuarembo.

282895. No. 3743. From low sandy place along highway, Route 5, 15 km. from Paso Manuel Diaz, Department of Rivera.

282896. *STIPA MEGAPOTAMIA* Spreng. ex Trin. **Poaceae.**

No. 3141. 'Latiflora'. From Desconocido.

282897. *STIPA TENUIS* R. A. Phil.

No. 94. From La Pampa Province, Argentina.

282898. MALUS SYLVESTRIS Mill. **Malaceae.**

From Japan. Scions presented by the Minister of Agriculture and Forestry, Morioka Branch Horticultural Research Station, Shimokuriyagawa, Morioka. Received September 6, 1962.

'Fuji' ('Ralls' × 'Delicious'). Late variety, harvested Nov. 10 in Japan. Keeps well in common storage until May. Resembles 'Delicious' in flavor.

282899 to 282933.

From Argentina. Seeds presented by the Instituto de Fitotecnia, Buenos Aires. Received May 22, 1962. Numbered September 6, 1962.

282899 and 282900. *TRITICUM* (hybrids). **Poaceae.**

282899. I 1020. (*T. aestivum* × *Secale cereale*). Triticale B-4081, RL 2388.

282900. I 1037 (*T. aestivum* 'Chinese' × *Agropyron elongatum*). Pw. 327.

282901 to 282930. *TRITICUM AESTIVUM* L.

Common wheat.

282901. I 977. 'Ble de Mars'.

282902. I 979. 'Chevalier'.

282903. I 983. 'Favori'.

282904. I 989. 61-O.

282905. I 992. 'Professeur Journee'.

282906. I 999. A.1.

282907. I 1001. 'Helomuni'.

282908. I 1002. 'Murachijn Sela'.

282909. I 1004. 'Carsten VI'.

282910. I 1008. 'Iblocskai 7'.

282911. I 1015. 'Granos Blancos'.

282912. I 1016. 'Granos Purpuras'.

282913. I 1019. 'Sensation Surnumeraire'.

282914. I 1024. 'Yatung Valley'.

282915. I 1025. 'Amharai'.

282916. I 1026. 'Auguste Tessier'.

282917. I 1027. 'Benvenuto Sabina'.

282918. I 1029. 'Candeal Durumbuck'.

282919. I 1034. 'Colotana 262/51'.

282920. I 1035. 'Colotana 266/51'.

282899 to 282933—Continued**282901 to 282930—Continued**

282921. I 1038. 'Chino 166' × 'Lin Calel M.A.'.
 282922. I 1039. 'Chino 166' × 'Lin Calel M.A.'.
 282923. I 1040. 'Dickson's No. 365'.
 282924. I 1041. 'Dickson's No. 444'.
 282925. I 1050. 23-J.
 282926. I 1051. 43-O.
 282927. I 1052. 45-I.
 282928. I 1053. 'Pergamino Gaboto M.A.G.'.
 282929. I 1055. 'Riccio' × 'Lin Calel M.A.'.
 282930. I 1057. 'Sureno M.A.'.

282931. TRITICUM sp.

I 1021. (esp. 1.)

282932 and 282933. TRITICUM TIMOPHEEVII Zhuk.

282932. I 1022. D-357.1.

282933. I 1023. 'Nigrum'.

282934 and 282935.

From Italy. Scions presented by Arturo Ansaloni, Bologna. Received Sept. 10, 1962.

282934. MALUS SYLVESTRIS Mill. Malaceae.

'Rubra Precoce Breviglieri'.

282935. PYRUS COMMUNIS L. Malaceae.

'Butirra Rosata Morettini'.

282936. DIETES VEGETA N. E. Br. Iridaceae.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Sept. 10, 1962.

From the National Botanic Gardens. May be slow burning.

282937. MICROCITRUS GARRAWAYI (Bail.) Swingle Rutaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Sept. 10, 1962.

Collected at Iron Range, North Queensland.

282938. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From New Guinea. Seeds presented by the Department of Agriculture Territory of Papua and New Guinea, Port Moresby. Received Sept. 10, 1962.

'Mauthner'. Dwarf, from Epo.

282939 to 282948. ORYZA SATIVA L. Poaceae. Rice.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Sept. 11, 1962.

282939. 'Custugulcule'.

282940. 'Kao-chio-lin-chou'.

282941. 'Kun-shan-wu-shan-keng'.

282942. 'Kwang-fu No. 1'.

282939 to 282948—Continued

282943. 'Natala'.
 282944. 'Nung-lin No. 21'.
 282945. 'Pai-kan-tao'.
 282946. 'Tai No. 1'.
 282947. 'Taichung Line No. 33'.
 282948. 'Taichung-tichio-wu-chien'.

282949 to 282959.

From the United States. Plants collected in Texas by J. B. Storey, Texas Agricultural and Mechanical College, College Station. Numbered Sept. 11, 1962.

282949. PRUNUS ANGUSTIFOLIA Marsh. Amygdalaceae. Chickasaw plum.

Col. No. Tex 20. 'Hutchens Plum'. H. Hutchens orchard, Grandview. Tree and fruit typical; flowering and fruit ripening periods 6 weeks long. Only plum collection found in Texas in 1962 with full crop; other destroyed by spring freeze.

282950 to 282958. PRUNUS PERSICA (L.) Batsch Peach.

282950. Col. No. Tex 9. Taylor Stuckman yard, Hampshire, Jefferson County. 1954 'Elberta' seedling; tree healthy, 15 feet high, unpruned; reniform glands; flowering period one month; fruit firm, yellow, freestone with 'Elberta' taste, oblong, with less red than 'Elberta', long ripening period, late July.
282951. Col. No. Tex 10. 'Mae Gauling'. Behind garage, Route 2, Box 444, Beaumont, Jefferson County. California seedling, 5 or 6 years old, 12 feet high, healthy; fruit very large, ripens June 1; skin red; flesh white, semicling. Bore heavily 1960 and 1961; crop frost killed in 1962.
282952. Col. No. Tex 11. H. Hutchens orchard, Grandview. A 12-year-old 'Frank' seedling; fruit large, ripens late July; (scale 0 to 10) shape 8; color 6 (yellow); appearance 7; firmness 8 (firm); freestone 0 (cling); quality 7.
282953. Col. No. Tex 12. H. Hutchens orchard, Grandview. A 12-year-old 'Frank' seedling; fruit ripens late July; shape 6; color 7; appearance 7; firmness 8; quality 8; freestone 0.
282954. Col. No. Tex 13. H. Hutchens orchard, Grandview. Tree 12 years old; fruit ripens with 'Elberta', large; shape 5; color 5 (all yellow); appearance 6; firmness 7; quality 7 (medium texture, much red flesh); freestone 0. 1962 crop poor due to freeze.
282955. Col. No. Tex 14. H. Hutchens orchard, Grandview. Tree 12 years old; fruit ripens late July; shape 7; color 8; appearance 7; firmness 8; quality 7 (fine texture); freestone 0; flavor excellent, resembles the 'Indian'. 1962 crop excellent.
282956. Col. No. Tex 15. H. Hutchens orchard, Grandview. Tree 12 years old. Flowers with 'Frank'; fruit extremely large, clingstone. 1962 crop frozen.
282957. Col. No. Tex 16. H. Hutchens orchard, Grandview. Tree 12 years old, fruit very large; shape 6; color 5; appearance 7; firmness 8; quality 7 (stringy); freestone 0. Crop: 8 bushels annually.
282958. Col. No. Tex 17. H. Hutchens orchard, Grandview. Tree 12 years old; fruit large; shape 6; color 6 (yellow); appearance 7; firmness 8; quality 7 (slightly stringy). Ripens late July.

282959. PRUNUS PERSICA var. NECTARINA (Ait.) Maxim. Nectarine.

Col. No. Tex 18. 'Coldspring'. Budded tree near Coldspring; fruits large, smooth, deep red when mature, excellent quality.

282960. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Canada. Seeds presented by the Ontario Agricultural College, Guelph.
Received Sept. 11, 1962.

'Tanggula'.

282961. PANICUM MAXIMUM Jacq. Poaceae. Guineagrass.

From the Philippines. Stolons presented by the Director of Bureau of Plant Industry, Manila. Received Sept. 11, 1962.

From La Granja Experiment Station, La Carlota, Negros Occidental. Collected Aug. 27, 1962.

282962 to 282964.

From the Philippines. Cuttings presented by The Director of Plant Industry, San Andres, Malate, Manila. Received Sept. 11, 1962.

282962. HIBISCUS MUTABILIS L. Malvaceae. Cotton rosemallow.

282963. HIBISCUS ROSA-SINENSIS L. Chinese hibiscus.

282964. HIBISCUS SYRIACUS L. Shrub-althea.

282965. GOSSYPIUM sp. Malvaceae.

From Czechoslovakia. Scions presented by the Rektorat Vysoke Skoly Zeme-Sept. 12, 1962.

282966 to 282983. PYRUS COMMUNIS L. Malaceae.

From Czechoslovakia. Scions presented by the Kektorat Vysoke Skoly Zeme-delske, Praha. Received September 17, 1962.

282966. 'Aarer Pfundbirne'. 282975. 'Muskatelka Prava'.

282967. 'Bere Kozlovskaja'. 282976. 'Muskatelka Seda'.

282968. 'Cistecka Bananova'. 282977. 'Sapiezanka'.

282969. 'Doca Blandevej'. 282978. 'Solanka'.

282970. 'Inflancka'. 282979. 'Talasova Zimni'.

282971. 'Jakubka Ceska'. 282980. 'Tulouska Pozdni'.

282972. 'Kair Aarmund'. 282981. 'Ulmaka'.

282973. 'Lezinova'. 282982. 'Wawrzyniec'.

282974. 'Lukavanski'. 282983. 'Windorska'.

282984. FRAGARIA VESCA L. Roasceae. European strawberry.

From New Zealand. Plants presented by the Horticultural Research Station, Levin. Received September 19, 1962.

'Captain Cook'. From heat-treated plants. Supposedly free from viruses.

282985 to 282990. BETA VULGARIS L. Chenopodiaceae. Common beet.

From Poland. Seeds presented by Rolimplex National Enterprises, Warsaw.
Received September 24, 1962.

282985. A J Poli 2 Nr. 224.

282986. Poly-I.H.A.R. Poli-0.

282987. Poly-Mono I.H.A.R. Poli-0.

282988. P-Poly.

282989. SWHN-N-Poly.

282990. Tetra-tri-Polanowice. Poli-0.

282991. PHASEOLUS AUREUS Roxb. Fabaceae. Mung bean.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 28, 1961. Numbered September 12, 1962.

Leaves trifid, an uncommon form, probably selected from an American strain.

282992 to 282994.

From Peru. Seeds collected and presented by J. Wurdack, Smithsonian Institution, Washington, D.C. Received September 24, 1962.

282992. BRACHYOTUM sp. Melastomataceae.

Col. No. 1267.

282993. BRACHYOTUM sp.

Col. No. 1304. Calla-calla.

282994. MERIANIA sp. Melastomataceae.

Col. No. 1250.

282995 to 282997. MYRICA RUBRA Sieb. & Zucc. Myricaceae. Waxmyrtle.

From Japan. Seeds presented by the Horticultural Section, Ministry of Agriculture and Forestry, Tokyo. Received September 24, 1962.

Seeds of large-fruited varieties collected on Shikoku Island, Tokushima Prefecture. Received as *M. rubra* var. *alba*.

282995. 'Konda', 'Kondo-Momo' or 'Zuiko'. Originally from Fukien, China. Introduced by and named for K. Kondo. Midseason variety, maturing from late June to early July. Very productive. Berries dark red and very large, 2.5 to 3.0 cm. in diameter. Very sour.

282996. 'Shiro-Momo' (White peaches). Berries white, tinted very pale red, small, sweetest of all *Myricas*. High acid content. Late season variety. Ships well but has little market demand due to color and size.

282997. 'Yogawachi' (means Unknown). Katsuura county, Tokushims Prefecture. Midseason variety, maturing from late June to early July. Berries dark red, medium size, very sweet. A good commercial variety.

282998. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Bureau of Sugar Experiment Stations, Brisbane, Queensland. Received September 25, 1962.

'58B.38'. Sugar Experiment Station, Gordonvale, North Queensland.

282999. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Greece. Seeds presented by the Hellenic Agricultural Research Institute, Larissa. Received September 25, 1962.

Ecotype 'Marchigiana'. M-4731.

283000. ORYZOPSIS COERULESCENS (Desf.) Hack. Poaceae.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received September 25, 1962.

From Mount Carmel.

283001 to 283027.

From Uruguay. Seeds presented by the Facultad de Agronomia, Laboratorio de Balanica, Montevideo. Received Sept. 25, 1962.

283001. ANDROPOGON SELLOANUS (Hack.) Poaceae.

No. 3731. Sandy, rocky fields, Batovi Dorado, Real (Estanc. Dambore), Dept. of Rivera. Perennial summer grass, frequent in the north, neither productive nor palatable.

283001 to 283027—Continued**283002. ANDROPOGON TERNATUS** (Spreng.) Nees

No. 3098. Virgin fields around Parque Lecocq, mouth of the St. Lucia River, Dept. of Montevideo. Common perennial summer grass.

283003. BOTHRIOCHLOA BARBINODIS (Lag.) Herter Poaceae.

No. 3463. Pta Gorda, Dept. of Colonia. Summer perennial of medium height.

283004. BOTHRIOCHLOA EDWARDSIANA (Gould) L. R. Parodi

No. 161. Alkaline soil, locality unknown. Perennial summer grass of medium height.

283005. BOTHRIOCHLOA IMPERATOIDES (Hack.) Herter

No. 1616. Abundant in virgin fields in some localities, Route 3 and Arroyo Grande, Dept. of Flores. Summer perennial of medium height, more appetizing and productive than *B. laguroides*.

283006 to 283010. BOTHRIOCHLOA LAGUROIDES (DC.) Pilgev

Plants short, frequent in arid land. A summer perennial of little forage value.

283006. No. 3897. Sierra Mohonea, Dept. of San Jose.

283007. No. 3898. Paez, Dept. of Cero Largo.

283008. No. 3899. Cerro de Montevideo, Dept. of Montevideo.

283009. No. 3900. Baln. La Floresta, Dept. of Canelones.

283010. No. 3901. Chapicuy (Rout 3), Dept. of Paysandu.

283011. DIGITARIA ENODE (Hack.) Parodi Poaceae.

No. 313. Location unknown.

283012. MELICA MACRA Nees Poaceae.

No. 3064. Represa del Canelon Grande, Dept. of Canelones. Perennial winter grass.

283013 to 283019. PASPALUM DILATATUM Poir. Poaceae. **Dallisgrass.**

Perennial summer grass.

283013. No. 1226. Low field, Sierra Mahoma, Dept. of San Jose.

283014. No. 1390. Desconocido.

283015. No. 1425. Meseta de Artigas, Dept. of Paysandu.

Plants vigorous; panicles very erect, 3 to 5 per inflorescence, short.

283016. No. 1445. Desconocido.

283017. No. 1732. Arazati, Dept. of San Jose.

283018. No. 3038. Lugar Desconocido, Dept. of Durazno.

283019. No. 3039. Lugar Desconocido, Dept. of Durazno.

Plant vigorous.

283020. PASPALUM NICORAE Parodi

No. 3772. Near Tranqueras, Route 30, Dept. of Rivera. Perennial summer grass of medium height frequently found in virgin fields.

283021. PASPALUM POLYPHYLLUM Nees

No. 3738. Rocky fields, Paso Manuel Diaz, Dept. of Rivera. Scarce, perishable, perennial summer grass.

283022 to 283024. PASPALUM QUADRIFARIUM Lam.

Tall perennial summer grass found in virgin fields; productive, palatable.

283001 to 283027—Continued**283022 to 283024—Continued**

283022. No. 1634. Meseta de Artigas, Dept. of Paysandu.

283023. No. 3276. Location unknown, Dept. of Rio Negro.

283024. No. 3305. Joanico, Dept. of Canelones.

283025. PASPALUM URVILLEI Steud. Vaseygrass.

No. 3536. Fertile, humid soils, Tacuarembó Chico, Dept. of Tacuarembó. Productive, palatable, perennial summer grass.

283026 and 283027. PASPALUM YAGUARONENSE Henr.

Tall perennial summer grass found in damp, sandy northern localities; palatable and productive.

283026. No. 132. Tranqueras, Dept. of Rivera.

283027. No. 3751. Curticeras, Dept. of Rivera.

283028. CITROPSIS DAWEANA Swing. & M. Kell. Rutaceae.

From Rhodesia. Seeds presented by the United States Consular Service, Salisbury. Received September 26, 1962.

From the Institute do Algado, Lourenco Marques, Mozambique.

283029. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.

From the United States. Plant maintained at the Louisiana Experiment Station, University Station, Baton Rouge. Numbered Sept. 26, 1962.

Tex 19. 'Cleburne Apricot'. Collected in backyard, 308 North Walnut, Cleburne, Tex., by J. B. Storey. Tree large; fruits small, of medium quality. Bore good crop for 27 years.

283030 to 283059.

From Japan. Trees purchased from Miura-Noen, Nippa, Kohoku, Yokohama. Received April 20, 1962. Numbered Sept. 26, 1962.

283030. ACER JAPONICUM Thunb. Aceraceae. Fullmoon maple.
No. 53. 'Ezono-Omomiji'.

283031. ACER MONO Maxim.
No. 40. 'Kata-Meigetsu'.

283032 to 283057. ACER PALMATUM Thunb. Japanese maple.

283032. No. 2. 'Koshibori-Nishiki'.

283033. No. 5. 'Akaji-Nishiki'.

283034. No. 6. 'Orido-Nishiki'.

283035. No. 7. 'Akegarasu'.

283036. No. 8. 'Shigure-Some'.

283037. No. 15. 'Mikasayama'.

283038. No. 18. 'Kiri-Nishiki'.

283039. No. 19. 'Sekimori'.

283040. No. 24. 'Matsugae'.

283041. No. 31. 'Shime-no-Uchi'.

283042. No. 35. 'Ogurayama'.

283043. No. 26. 'Hanazono-Nishiki'.

283044. No. 37. 'Sode-no-Uchi'.

283045. No. 39. 'Nuresagi'.

283030 to 283059—Continued**283032 to 283057—Continued**

283046. No. 41. 'Wabihito'.
 283047. No. 42. 'Kurabeyama'.
 283048. No. 47. 'Awome-no-Uchi Shidare'.
 283049. No. 50. 'Karasugawa'.
 283050. No. 52. 'Mure-Hibari'.
 283051. No. 54. 'Takinogawa'.
 283052. No. 55. 'Shigitatsu'.
 283053. No. 57. 'Nanasegawa'.
 283054. No. 58. 'Shinobuga Oka'.
 283055. No. 59. 'Shigarami'.
 283056. No. 60. 'Noumura'.
 283057. No. 61. 'Ukon'.
 283058. ACER sp.
 No. 37. 'Sode-no-Uchi'.
 283059. ACER sp.
 No. 46. 'Matuba Tukaeda'.

283060 to 283065.

From Canada. Tubers presented by the Canadian Department of Agriculture Research Station, Fredericton, New Brunswick. Received Nov. 7, 1961. Numbered Sept. 26, 1962.

283060. SOLANUM BULBOCASTANUM Dun. Solanaceae.
 2n-48.
 283061 to 283063. SOLANUM CARDIOPHYLLUM Lindl.
 283061. C-218 × C-298.
 283062. (C-218 × C-298) × (C-207 × C-297).
 283063. (C-218 × C-298) × (C-218 × C-297).
 283064 and 283065. SOLANUM TRIFIDUM Correll
 283064. C-201 × C-244.
 283065. C-308 × C-299.

283066 to 283091.

From Germany. Seeds presented by the Max Planck Institute für Züchtungsforschung, Köln-Vogelsang. Received March 17, 1962. Numbered Sept. 26, 1962.

- 283066 and 283067. SOLANUM (hybrids). Solanaceae.
S. raphanifolium × diploid cultivar (natural hybrid).
 283066. R-58.1026. EBS-1876. Sa-Z-10.
 283067. R-58.1035. EBS-1885. Sa-Z-5.
 283068 to 283070. SOLANUM BERTHAULTII Hawkes
 283068. R-58.461. EBS-1811. Sa-Z-50.
 283069. R-58.493. EBS-1842. Sa-Z-50.
 283070. R-58.494. EBS-1843. Sa-Z-50.
 283071. SOLANUM BOLIVIENSE Dunal.
 R-58.496. EBS-1845. Sa-Z-5.

283066 to 283091—Continued

- 283072 and 283073.** *SOLANUM BUKASOVII* Juz.
283072. R-58.472. EBS-1822. Sa-Z-10.
283073. R-58.1046. EBS-1896. Sa-Z-20.
- 283074.** *SOLANUM CANASENSE* Hawkes
 R-58.1071. EBS-1921. Sa-Z-30.
- 283075.** *SOLANUM CHACOENSE* × *S. TARIJENSE*
 R-58.483. EBS-1833. Sa-Z-30. Natural hybrid.
- 283076.** *SOLANUM GANDARILLASII* Card.
 R-58.490. EBS-1840. Sa-Z-15.
- 283077.** *SOLANUM INFUNDIBULIFORME* Phil.
 R-58.432. EBS-1782. Sa-Z-10.
- 283078 to 283080.** *SOLANUM MARINASEUSE* Vargas
283078. R-58.1025. EBS-1875. Sa-Z-5.
283079. R-58.1033. EBS-1883. Sa-Z-4.
283080. R-59.1037. EBS-1887. Sa-Z-20.
- 283081.** *SOLANUM MEDIANS* Bitt.
 R-58.1056. EBS-1906. Sa-Z-26.
- 283082 to 283084.** *SOLANUM MEGISTACROLOBUM* Bitt.
283082. R-58.437. EBS-1787. Sa-Z-30.
283083. R-58.454. EBS-1804. Sa-Z-13.
283084. R-58.1015. EBS-1865. Sa-Z-5.
- 283085.** *SOLANUM MULTIINTERUPTUM* Bitt.
 R-58.1061. EBS-1911. Sa-Z-71.
- 283086 and 283087.** *SOLANUM RAPHANIFOLIUM* Cardenas & Hawkes
283086. R-58.1020. EBS-1870. Sa-Z-4.
283087. R-58.1021. EBS-1871. Sa-Z-8.
- 283088.** *SOLANUM ROCKEFELLERIAE* Vargas
 R-58.1038. EBS-1888. Sa-Z-10.
- 283089.** *SOLANUM SANCTAE-ROSAE* Hawkes
 R-58.429. EBS-1779. Sa-Z-30.
- 283090.** *SOLANUM SPARSIPILUM* (Bitter) Juz. & Buk.
 R-58.1014. EBS-1864. Sa-Z-20.
- 283091.** *SOLANUM SUCRENSE* Hawkes
 R-58.457. EBS-1807. Sa-Z-20.

283092 to 283109.

From Great Britain. Tubers presented by the University of Birmingham, Edgbaston, Birmingham, England. Numbered Sept. 26, 1962.

- 283092 to 283094.** *SOLANUM AGRIMONIFOLIUM* Rydb. Solanaceae.
283092. Hawkes 1853, Guatemala.
283093. Hawkes 1854, Guatemala.
283094. Hawkes 1889, Guatemala.
- 283095.** *SOLANUM BRACHISTOTRICHUM* (Bitter) Rydb.
 Hawkes 1287 × 1471, Mexico.

283092 to 283109—Continued

- 283096.** SOLANUM BULBOCASTANUM Dun.
Hawkes 1719, Mexico.
- 283097.** SOLANUM CARDIOPHYLLUM Lindl.
Hawkes 1408, Mexico.
- 283098 and 283099.** SOLANUM CLARUM Correll
283098. Hawkes 1849, Mexico.
283099. Hawkes 1894, Mexico.
- 283100 to 283103.** SOLANUM FENDLERI A. Gray
283100. Hawkes 1216, Arizona, USA.
283101. Hawkes 1259, Mexico.
283102. Hawkes 1314, Mexico.
283103. Hawkes 1353, Mexico.
- 283104.** SOLANUM MICHOCANUM (Bitt.) Rydb.
Hawkes 1541-1 × -2, Mexico.
- 283105.** SOLANUM PAPITA Rydb.
Hawkes 1475, Mexico.
- 283106.** SOLANUM POLYTRICHON Rydb.
Hawkes 1469, Mexico.
- 283107.** SOLANUM SPECTABILE (Correll) Hawkes
Hawkes 1531, Mexico.
- 283108 and 283109.** SOLANUM STOLONIFERUM Schlecht.
283108. Hawkes 1301, Mexico.
283109. Hawkes 1452, Mexico.
- 283110.** SOLANUM PHUREJA Juz. & Buk. Solanaceae.
From Great Britain. Tubers received from the John Innes Institute, Bay-
fordbury, Hertford, Herts, England. Numbered September 26, 1962.
CPC-2214.
- 283111 and 283112.** SOLANUM (hybrids). Solanaceae.
From the Netherlands. Tubers presented by the Stichting Voor Plantenvere-
deling, Wageningen. Numbered Sept. 26, 1962.
(*S. stenotomum* × *S. phureja*)
283111. WAC 425 × CCC 193.
283112. Ochoa 1350 × CCC 193.
- 283113.** SOLANUM TUBEROSUM L. Solanaceae. **Potato.**
From New Zealand. Tubers presented by the Department of Scientific and
Industrial Research, Crops Research Division, Christchurch. Numbered
Sept. 26, 1962.
- 283114 to 283142.**
From Peru. Tubers presented by the Ministerio de Agricultura, Servicio de
Investigacion y Promocion Agraria, Lima. Numbered Sept. 26, 1962.
283114. SOLANUM MOCHIQUENSE Ochoa Solanaceae.
283115 to 283138. SOLANUM PHUREJA Juz. & Buk.
283115. Ochoa 1411, Colombia (CCC 130).
283116. 'Amarillo'. Ochoa 1399, Colombia.

283114 to 283142—Continued**283115 to 283138—Continued**

283117. 'Amarillo'. Ochoa 1404, Colombia.
 283118. 'Amarillo'. Ochoa 1407, Colombia.
 283119. 'Amarillo'. Ochoa 1408, Colombia.
 283120. 'Amarillo'. Ochoa 1409, Colombia.
 283121. 'Amarillo'. Ochoa 1410, Colombia.
 283122. 'Amarillo'. Ochoa 1539, Peru.
 283123. 'Chaucha'. Ochoa 1475, Ecuador.
 283124. 'Chaucha Blanca'. Ochoa 1517, Ecuador.
 283125. 'Criolla'. Ochoa 1361, Colombia.
 283126. 'Criolla'. Ochoa 1364, Colombia.
 283127. 'Criolla'. Ochoa 1366, Colombia.
 283128. 'Criolla'. Ochoa 1382, Colombia.
 283129. 'Criolla'. Ochoa 1459, Colombia.
 283130. 'Criolla Amarilla'. Ochoa 1373, Colombia.
 283131. 'Criolla Amarilla'. Ochoa 1381, Colombia.
 283132. 'Criolla Calabaza'. Ochoa 1371, Colombia.
 283133. 'Hollandesa'. Ochoa 1502, Ecuador.
 283134. 'Manzana'. Ochoa 1412, Colombia.
 283135. 'Pepina'. Ochoa 1372, Colombia.
 283136. 'Yema de Huevo'. Ochoa 1369, Colombia.
 283137. 'Yema de Huevo'. Ochoa 1370, Colombia.
 283138. 'Yema de Huevo'. Ochoa 1418, Colombia.

283139 to 283142. SOLANUM STENOTOMUM Juz. & Buk.

283139. 'Larga'. Ochoa 1537, Peru.
 283140. 'Manzana Larga'. Ochoa 1466, Colombia.
 283141. 'Pan de Dios'. Ochoa 1402, Colombia.
 283142. 'Pano Humana'. Ochoa 1378, Colombia.

283143 to 283145.

From the United States. Collector or donor unknown. Numbered September 26, 1962.

283143. SOLANUM FENDLERI A. Gray Solanaceae.

Received in 1951.

283144 and 283145. SOLANUM JAMESII Torr.

283144. Collected Longmont, Colo. Received May 1956.

283145. Collected Organ Mts., N.Mex. Received Oct. 1957.

283146. ASTRAGALUS SINICUS L. Fabaceae. Chinese milkvetch.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received September 27, 1962.

Originally from Japan. Grows best in moist sandy loam, and clay loam, pH preferably mildly acid to neutral. A winter herb with many root nodules; grown and used in northern Taiwan as green manure in rice paddies and as hog and cattle feed. Plants prostrate; stalks to 100 cm. long, many branched; leaves alternate, compound; flower stalks to 30 cm. long; flowers in spring, deep purple, butterfly shaped, on corymblike racemes. Planted October and November and harvested in April and May.

283147 to 283155. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Jordan. Seeds presented by the Research Division, Ministry of Agriculture, through the United States Embassy, Amman. Received September 27, 1962.

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| 283147. 'Dorziyeh Karak'. | 283152. 'Naamiyeh'. |
| 283148. F.8 (Selected). | 283153. 'Qutma Horani'. |
| 283149. 'Gabo'. | 283154. 'Safra Ma'an'. |
| 283150. 'Horani Nawawi'. | 283155. 'Zoghbiyeh Safra'. |
| 283151. 'Italian'. | |

283156 to 283158.

From Mexico. Stolons presented by the National Agricultural Research Institute, Mexico City. Received October 1, 1962.

283156. *DIGITARIA DECUMBENS* Stent Poaceae.
'Pangola grass'. From Turrialba, Costa Rica.
283157. *ECHINOCHLOA POLYSTACHYA* (HBK.) Hitchc. Poaceae.
283158. *OPIZIA STOLONIFERA* Presl Poaceae. **Acapulco grass.**
'Gram de Burro'. Along roadside.

283159 to 283676.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received October 2, 1962.

Countries of original collection other than Australia are indicated.

283159. *ADESMIA SMITHIAE* DC. Fabaceae.
C.P.I. 25834. South America.
283160. *AESCHYNOMENE AMERICANA* L. Fabaceae.
C.P.I. 15287. Ceylon.
283161. *AGROPYRON CILIARE* (Trin. ex Link) Franch. Poaceae.
C.P.I. 22626. Japan.
283162. *AGROPYRON DESERTORUM* (Fisch.) Schult. **Standard wheatgrass.**
C.P.I. 23518. England.
- 283163 and 283164. *AGROPYRON ELONGATUM* (Host) Beauv. **Tall wheatgrass.**
283163. C.P.I. 23009. Portugal.
283164. C.P.I. 23101. China.
283165. *AGROPYRON MAYEBARANUM* Honda
C.P.I. 22627. Japan.
283166. *AGROPYRON OBTUSIUSCULUM* Lange
C.P.I. 22747. Germany.
- 283167 and 283168. *AGROPYRON PUNGENS* (Pers.) Roem. & Schult.
283167. C.P.I. 10430. Portugal.
283168. C.P.I. 22670. Belgium.
283169. *AGROPYRON RIGIDUM* (Schrad.) Beauv.
C.P.I. 22748. Germany.
283170. *AGROPYRON TSUKUSHIENSE* (Honda) Ohwi
C.P.I. 22628. Japan.

283159 to 283676—Continued

- 283171 and 283172. *AGROSTIS ALBA* L. Poaceae. Redtop.
 283171. C.P.I. 21070. 'Levocsky'. Czechoslovakia.
 283172. C.P.I. 21071. 'Roznovsky'. Czechoslovakia.
283173. *AGROSTIS CAPILLARIS* L. Rhode Island bentgrass.
 C.P.I. 21072. Received as *A. vulgaris*, a synonym. Czechoslovakia.
283174. *AGROSTIS TRANSCASPICA* Litv.
 C.P.I. 24630. U.S.S.R.
283175. *ALOPECURUS DASYANTHUS* Trautv. Poaceae. Foxtail.
 C.P.I. 23506. U.S.S.R.
283176. *ALOPECURUS PRATENSIS* L. Meadow foxtail.
 C.P.I. 21073. 'Vetrovska'. Czechoslovakia.
283177. *ALYSICARPUS LONGIFOLIUS* (Rottl.) Wight & Arn. Fabaceae.
 C.P.I. 16671. S. Rhodesia.
283178. *ALYSICARPUS RUGOSUS* (Willd.) DC.
 C.P.I. 3769. India.
- 283179 to 283181. *ANDROPOGON DISTACHYON* L. Poaceae.
 283179. C.P.I. 13800. Lebanon.
 283180. C.P.I. 14777. Israel.
 283181. C.P.I. 18824. Portugal.
283182. *ANTHYLLIS HAMOSA* Desf. Fabaceae.
 C.P.I. 19694. Morocco.
283183. *ANTHYLLIS RUBICUNDA* Wender.
 C.P.I. 22757. Germany.
283184. *ANTHYLLIS VULNERARIA* L. Kidneyvetch.
 C.P.I. 19655. Portugal.
- 283185 to 283188. *ARRHENATHERUM ELATIUS* (L.) Presl. Poaceae.
 Tall oatgrass.
 283185. C.P.I. 2306. Received as *A. avenaceum*, a synonym. France.
 283186. C.P.I. 21075. 'Roznovsky'. Czechoslovakia.
 283187. C.P.I. 22217. Poland.
 283188. C.P.I. 23011. Portugal.
283189. *ARRHENATHERUM ERIANTHUM* Boiss. & Reut. Oatgrass.
 C.P.I. 7189. Holland.
283190. *BOTHRIOCHLOA INSCULPTA* (Hochst.) A. Camus Poaceae.
 C.P.I. 15889. Tanganyika.
283191. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng King's Ranch bluestem.
 C.P.I. 20999. Senegal.
- 283192 and 283193. *BRACHIARIA BRIZANTHA* (Hochst.) Stapf Poaceae.
 Palisade signalgrass.
 283192. C.P.I. 5632. Kenya.
 283193. C.P.I. 20584. Ceylon.
283194. *BRACHYPODIUM PHOENICOIDES* (L.) Roem. & Schult. Poaceae.
 C.P.I. 14397. Portugal.

283159 to 283676—Continued

283195. *BROMUS CARINATUS* Hook. & Arn. Poaceae. California bromegrass.

C.P.I. 3455. Sweden.

283196. *BROMUS MOLLIS* L. Soft chessgrass.

C.P.I. 14063. Italy.

283197 and 283198. *BROMUS POPOVII* Drobov

283197. C.P.I. 23993. U.S.S.R.

283198. C.P.I. 24193. U.S.S.R.

283199. *BROMUS MACROSTACHYS* Desf.

C.P.I. 24169. U.S.S.R.

283200. *BROMUS TOMENTELLUS* Boiss.

C.P.I. 23980. Italy.

283201. *BROMUS URUGUAYENSIS* Arech.

C.P.I. 9711. Uruguay.

283202 to 283205. *BROMUS WILLDENOWII* Kunth Rescuegrass.

Received as *B. catharticus*, a synonym.

283202. C.P.I. 7053. France.

283203. C.P.I. 9708. Uruguay.

283204. C.P.I. 22634. Japan.

283205. C.P.I. 25285. S. Africa.

283206 and 283207. *CALAMAGROSTIS ARUNDINACEA* (L.) Roth Poaceae.
Reedgrass.

283206. C.P.I. 22219. Poland.

283207. C.P.I. 22295. U.S.S.R.

283208. *CHLORIS CARIBEA* Spreng. Poaceae.

C.P.I. 21002. Received as *C. bahiensis*, a synonym. Senegal.

283209 to 283228. *CHLORIS GAYANA* Kunth Rhodesgrass.

283209. C.P.I. 13375. S. Rhodesia.

283210. C.P.I. 15371. Sudan.

283211. C.P.I. 15510. Sudan.

283212. C.P.I. 15692. Ethiopia.

283213. C.P.I. 15892. Tanganyika.

283214. C.P.I. 16043. Kenya.

283215. C.P.I. 16144. Sierra Leone.

283216. C.P.I. 16256. S. Africa.

283217. C.P.I. 16663. S. Rhodesia.

283218. C.P.I. 16710. S. Africa.

283219. C.P.I. 16711. S. Africa.

283220. C.P.I. 17753. Kenya.

283221. C.P.I. 17754. Kenya.

283222. C.P.I. 17755. Kenya.

283223. C.P.I. 17757. Kenya.

283159 to 283676—Continued**283209 to 283228—Continued**

283224. C.P.I. 17759. Kenya.
 283225. C.P.I. 17760. Kenya.
 283226. C.P.I. 18021. S. Rhodesia.
 283227. C.P.I. 18708. S. Rhodesia.
 283228. C.P.I. 21003. Senegal.

283229. CHLORIS SUBMUTICA HBK.

C.P.I. 23585. Mexico.

283230. CHRYSOPOGON MONTANUS Trin. ex Spreng. Poaceae.

C.P.I. 13232. India.

283231 to 283237. CLITORIA TERNATEA L. Fabaceae.

283231. C.P.I. 15523. Sudan.
 283232. C.P.I. 16170. Sierra Leone.
 283233. C.P.I. 17228. Brazil.
 283234. C.P.I. 20468. Trinidad.
 283235. C.P.I. 20733. Kenya.
 283236. C.P.I. 24194. Cuba.
 283237. C.P.I. 24195. Cuba.

283238. GALEGA OFFICINALIS L. Fabaceae.

C.P.I. 24112. U.S.S.R.

283239. CORONILLA GLAUCA Jusl. Fabaceae.

Honey coronilla.

C.P.I. 9792. Portugal.

283240. CORONILLA PARVIFLORA Willd.

C.P.I. 23972. Received as *C. rostrata*, a synonym. Sweden.

283241 and 283242. DACTYLIS ASCHERSONIANA Graebn. Poaceae.

283241. C.P.I. 22573. Germany.
 283242. C.P.I. 22751. Germany.

283243. DACTYLIS VORONOVII Ovcz.

C.P.I. 24171. U.S.S.R.

283244 to 283246. DESCHAMPSIA FLEXUOSA (L.) Trin. Poaceae.

283244. C.P.I. 21278. France.
 283245. C.P.I. 22604. France.
 283246. C.P.I. 21060. France.

283247. DESMANTHUS VIRGATUS (L.) Willd. Mimosaceae.

C.P.I. 19574. New Caledonia.

283248. DESMODIUM LANCEOLATUM Schindl. ex Gagnep. Fabaceae.

C.P.I. 21044. Vietnam.

283249. DICHANTHIUM ANNULATUM (Forsk.) Stapf Poaceae Palwan.

C.P.I. 18823. Received as *Andropogon annulatus*, a synonym. Portugal.

283250. DOLICHOS BAUMANNII Harms Fabaceae.

C.P.I. 24972. S. Rhodesia.

283159 to 283676—Continued

283251 to 283269. EHRHARTA CALYCINA J. E. Smith Poaceae.
Perennial veldtgrass.

All from South Africa.

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| 283251. C.P.I. 7763. | 283261. C.P.I. 15977. |
| 283252. C.P.I. 15965. | 283262. C.P.I. 15978. |
| 283253. C.P.I. 15967. | 283263. C.P.I. 16270. |
| 283254. C.P.I. 15968. | 283264. C.P.I. 16271. |
| 283255. C.P.I. 16277. | 283265. C.P.I. 16281. |
| 283256. C.P.I. 16278. | 283266. C.P.I. 16282. |
| 283257. C.P.I. 16279. | 283267. C.P.I. 16283. |
| 283258. C.P.I. 16280. | 283268. C.P.I. 16288. |
| 283259. C.P.I. 15971. | 283269. C.P.I. 16292. |
| 283260. C.P.I. 15074. | |

283270. ELYMUS CAPUT-MEDUSAE L. Poaceae.

C.P.I. 20644. U.S.S.R.

283271. ELYTRIGIA INTERMEDIA (Host) Nevski Poaceae.

C.P.I. 24099. U.S.S.R.

283272. ELYTRIGIA SCYTHICA Nevski

C.P.I. 24101. U.S.S.R.

283273. ERAGROSTIS FERRUGINEA (Thunb.) Beauv. Poaceae.

C.P.I. 22640. Japan.

283274 and 283275. FESTUCA AMPLA Hack. Poaceae.

283274. C.P.I. 14405. Portugal.

283275. C.P.I. 18943. Portugal.

283276 to 283301. FESTUCA ARUNDINACEA Schreb.

Tall fescue.

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| 283276. C.P.I. 1499. France. |
| 283277. C.P.I. 10436. Portugal. |
| 283278. C.P.I. 14801. Israel. |
| 283279. C.P.I. 14802. Israel. |
| 283280. C.P.I. 15569. Israel. |
| 283281. C.P.I. 18763. 'Evergreen Tall'. England. |
| 283282. C.P.I. 22093. Morocco. |
| 283283. C.P.I. 22094. Morocco. |
| 283284. C.P.I. 22179. 'Goar'. Sweden. |
| 283285. C.P.I. 22227. Poland. |
| 283286. C.P.I. 22284. France. |
| 283287. C.P.I. 22398. Czechoslovakia. |
| 283288. C.P.I. 22560. Holland. |
| 283289. C.P.I. 22753. Germany. |
| 283290. C.P.I. 23018. Portugal. |
| 283291. C.P.I. 23019. Portugal. |
| 283292. C.P.I. 23090. S-170. England. |
| 283293. C.P.I. 23363. France. |

283159 to 283676—Continued**283276 to 283301—Continued**

283294. C.P.I. 23622. Germany.
 283295. C.P.I. 23842. 'Early Fescue'. Scotland.
 283296. C.P.I. 23964. Sweden.
 283297. C.P.I. 23965. Sweden.
 283298. C.P.I. 24233. Yugoslavia.
 283299. C.P.I. 24356. Poland.
 283300. C.P.I. 24357. 'Pulawska'. Poland.
 283301. C.P.I. 25083. Tunisia.
- 283302.** *FESTUCA CAERULESCENS* Desf.
 C.P.I. 18959. Algeria.
- 283303.** *FESTUCA CRETACEA* (Lavrenko) Czern. ex Krecz. & Bobrov
 C.P.I. 22310. U.S.S.R.
- 283304 to 283310.** *FESTUCA ELATIOR* L. Meadow fescue.
 Received as *F. pratensis*, a synonym.
283304. C.P.I. 5713. Denmark.
 283305. C.P.I. 21843. S-215. England.
 283306. C.P.I. 23091. England.
 283307. C.P.I. 25015. U.S.S.R.
 283308. C.P.I. 25016. U.S.S.R.
 283309. C.P.I. 25017. U.S.S.R.
 283310. C.P.I. 25020. U.S.S.R.
- 283311.** *FESTUCA RUBRA* var. *PRUINOSA* (Hack.) Hawarth
 C.P.I. 24358 Poland
- 283312 and 283313.** *FESTUCA MAIREI* St.-Yves
 283312. C.P.I. 23966. Sweden.
 283313. C.P.I. 24269. France.
- 283314 to 283316.** *FESTUCA ORIENTALIS* Kern. ex Hack.
 283314. C.P.I. 22311. U.S.S.R.
 283315. C.P.I. 24102. U.S.S.R.
 283316. C.P.I. 24174. U.S.S.R.
- 283317.** *FESTUCA PALLENS* Host
 C.P.I. 22229. Poland.
- 283318.** *FESTUCA PALLESCENS* (St.-Yves) Parodi
 C.P.I. 22796. Argentina.
- 283319.** *FESTUCA POLESICA* Zapal.
 C.P.I. 22312. U.S.S.R.
- 283320.** *FESTUCA PSAMMOPHILA* (Celak.) Domin
 C.P.I. 22231. Poland.
- 283321.** *FESTUCA PSEUDODALMATICA* Kraj.
 C.P.I. 22399. Czechoslovakia.
- 283322.** *FESTUCA RUBRA* L. Red fescue.
 C.P.I. 22132. 'Roskilde'. Denmark.

283159 to 283676—Continued

283323. *FESTUCA TRACHYPHYLLA* (Hackel) Kraj.
C.P.I. 23968. Sweden.
283324. *FESTUCA UECHTRITZIANA* Wiesb.
C.P.I. 24445. Czechoslovakia.
283325. *FESTUCA VARIA* Haenke
C.P.I. 2387. U.S.S.R.
- 283326 to 283334. *GLYCINE MAX* (L.) Merrill Fabaceae. **Soybean.**
283326. C.P.I. 26374. China.
283327. C.P.I. 26476. 'Pingtung Pearl'. China.
283328. C.P.I. 26478. 'Sankuo'. China.
283329. C.P.I. 26479. 'Shihshih'. China.
283330. C.P.I. 26480. 'Taichung Green Bean'. China.
283331. C.P.I. 26669. No. 380. Morocco.
283332. C.P.I. 26670. C.N.S.-65F. Morocco.
283333. C.P.I. 26672. 'Cretin 133-2'. Morocco.
283334. C.P.I. 26675. 'Grignon'. Morocco.
- 283335 to 283347. *HEDYSARUM CORONARIUM* L. Fabaceae. **Sulla.**
283335. C.P.I. 12025. S. Africa.
283336. C.P.I. 16492. Italy.
283337. C.P.I. 16531. Portugal.
283338. C.P.I. 16532. Portugal.
283339. C.P.I. 19628. Sweden.
283340. C.P.I. 19696. Morocco.
283341. C.P.I. 19793. Spain.
283342. C.P.I. 19836. Italy.
283343. C.P.I. 19965. Italy.
283344. C.P.I. 20350. Tunisia.
283345. C.P.I. 20623. Italy.
283346. C.P.I. 20624. Italy.
283347. C.P.I. 21173. Spain.
- 283348 to 283373. *HORDEUM BULBOSUM* L. Poaceae. **Bulbous barley.**
283348. C.P.I. 12972. U.S.S.R.
283349. C.P.I. 14804. Israel.
283350. C.P.I. 14805. Israel.
283351. C.P.I. 14807. Palestine.
283352. C.P.I. 14808. Palestine.
283353. C.P.I. 14809. Palestine.
283354. C.P.I. 15012. Israel.
283355. C.P.I. 15302. Israel.
283356. C.P.I. 15303. Palestine.
283357. C.P.I. 15304. Palestine.
283358. C.P.I. 16925. Israel.
283359. C.P.I. 18736. England.

283159 to 283676—Continued**283348 to 283373—Continued**

283360. C.P.I. 18966. Israel.
 283361. C.P.I. 18967. Israel.
 283362. C.P.I. 18968. Israel.
 283363. C.P.I. 18973. Israel.
 283364. C.P.I. 18974. Israel.
 283365. C.P.I. 18975. Israel.
 283366. C.P.I. 23526. Turkey via Israel.
 283367. C.P.I. 23527. Italy via Israel.
 283368. C.P.I. 23529. Turkey via Israel.
 283369. C.P.I. 23530. Morocco via Israel.
 283370. C.P.I. 23531. Israel.
 283371. C.P.I. 23532. Israel.
 283372. C.P.I. 23623. Bulgaria via Germany.
 283373. C.P.I. 25758. S. America.
- 283374 to 283378. HORDEUM CHILENSE** Roem. & Schult.
 283374. C.P.I. 25499. Chile.
 283375. C.P.I. 25500. Chile.
 283376. C.P.I. 25759. S. America.
 283377. C.P.I. 25760. S. America.
 283378. C.P.I. 25761. S. America.
- 283379. HORDEUM COMOSUM** Presl
 C.P.I. 25762. S. America.
- 283380. HORDEUM COMPRESSUM** Griseb.
 C.P.I. 23045. S. Africa.
- 283381. HORDEUM CRINITUM** (Schreb.) Desf.
 C.P.I. 20644. U.S.S.R.
- 283382 to 283415. HORDEUM DISTICHON** L.
283382. C.P.I. 7573. U.S.A.
 283383. C.P.I. 10027. 'Bethges III'. Germany.
 283384. C.P.I. 13255. 'Dioszegi 625 Sorarpa'. Hungary.
 283385. C.P.I. 13256. 'Hatvani Sorarpa'. Hungary.
 283386. C.P.I. 13257. 'Peresztegi 3'. Hungary.
 283387. C.P.I. 13258. 'Peresztegi 8'. Hungary.
 283388. C.P.I. 13259. 'Takteharkangi Hanna'. Hungary.
 283389. C.P.I. 13551. Norway.
 283390. C.P.I. 18198. Hybrid P.I. 2862. Algeria.
 283391. C.P.I. 18441. 'Summer Barley'. Hungary.
 283392. C.P.I. 18442. 'Brewer's Barley'. Hungary.
 283393. C.P.I. 18732. 'Proctor'. England.
 283394. C.P.I. 18787. 'Orge 071'. Morocco.
 283395. C.P.I. 18788. 'Orge 289'. Morocco.
 283396. C.P.I. 19556. 'Herta'. Sweden.

283159 to 283676—Continued**283382 to 283415—Continued**

283397. C.P.I. 20561. Armenia.
 283398. C.P.I. 20829. Hungary.
 283399. C.P.I. 20831. 'Fertodi P'. Hungary.
 283400. C.P.I. 20832. 'Fertodi U'. Hungary.
 283401. C.P.I. 20833. 'Hatvani 1108'. Hungary.
 283402. C.P.I. 20834. 'Lovatzpatonai Universe'. Hungary.
 283403. C.P.I. 20835. 'Martonvasari F.B. 100'. Hungary.
 283404. C.P.I. 20836. 'Martonvasari F.B. 102'. Hungary.
 283405. C.P.I. 20837. 'Martonvasari F.B. 104'. Hungary.
 283406. C.P.I. 20839. 'Mesterhazi' Hungary.
 283407. C.P.I. 20841. 'Peresztegi'. Hungary.
 283408. C.P.I. 22814. U.S.S.R. via Czechoslovakia.
 283409. C.P.I. 22816. U.S.S.R. via Czechoslovakia.
 283410. C.P.I. 22817. U.S.S.R. via Czechoslovakia.
 283411. C.P.I. 22818. U.S.S.R. via Czechoslovakia.
 283412. C.P.I. 22819. 0-20-246. Czechoslovakia.
 283413. C.P.I. 22821. 0-20-955. Czechoslovakia.
 283414. C.P.I. 22822. 0-21-022. Czechoslovakia.
 283415. C.P.I. 22823. 0-21-026. Czechoslovakia.
 283416. *HORDEUM DISTICHON* var. *NUDUM* L.
 C.P.I. 22820. 0-20-309. Czechoslovakia.
 283417. *HORDEUM IRREGULARE* Aberg & Wiebe
 C.P.I. 19621. Sweden.
 283418. *HORDEUM MARINUM* Huds.
 C.P.I. 16926. Received as *H. maritimum*, a synonym. Israel.
 283419. *HORDEUM NODOSUM* L. **Meadow barley.**
 C.P.I. 13469. Sweden.
 283420 and 283421. *HORDEUM POLYSTICHON* Haller
 283420. C.P.I. 26739. Yugoslavia.
 283421. C.P.I. 26741. Yugoslavia.
 283422 and 283423. *HORDEUM SPONTANEUM* K. Koch
 283422. C.P.I. 19624. Sweden.
 283423. C.P.I. 24636. U.S.S.R.
 283424. *HORDEUM STENOSTACHYS* Godr.
 C.P.I. 25763. S. America.
 283425 to 283468. *HORDEUM VULGARE* L.
 283425. C.P.I. 9779. Portugal.
 283426. C.P.I. 11083. U.S.S.R.
 283427. C.P.I. 13180. 'Carlsberg'. Denmark.
 283428. C.P.I. 13181. 'Freja'. Denmark.
 283329. C.P.I. 13182. 'Maja'. Denmark.
 283430. C.P.I. 13183. 'Riegel'. Denmark.

283159 to 283676—Continued**283425 to 283468—Continued**

283431. C.P.I. 13184. 'Ymer'. Denmark.
 283432. C.P.I. 13254. 'Bankuti Korai'. Hungary.
 283433. C.P.I. 13852. 'Beladi'. Cyprus.
 283434. C.P.I. 13853. 'Paphitico'. Cyprus.
 283435. C.P.I. 13957. 'Rabat'. Morocco.
 283436. C.P.I. 13958. 'Merzaga'. Morocco.
 283437. C.P.I. 13959. 'Tripoli'. Morocco.
 283438. C.P.I. 13960. 'Precoce du Maroc'. Morocco.
 283439. C.P.I. 14139. Italy.
 283440. C.P.I. 15699. Ethiopia.
 283441. C.P.I. 15700. Ethiopia.
 283442. C.P.I. 15701. Ethiopia.
 283443. C.P.I. 15842. Ethiopia.
 283444. C.P.I. 15843. Ethiopia.
 283445. C.P.I. 16026. Belgium.
 283446. C.P.I. 16222. 'Cyprus Black'. Cyprus.
 283447. C.P.I. 16223. 'Paphitico'. Cyprus.
 283448. C.P.I. 17239. Baluchistan.
 283449. C.P.I. 18197. 1542. Algeria.
 283450. C.P.I. 18199. 'Mahouma 3445'. Algeria.
 283451. C.P.I. 18732. 'Proctor'. England.
 283452. C.P.I. 18784. 'Orge 071'. Morocco.
 283453. C.P.I. 18785. 'Orge 077'. Morocco.
 283454. C.P.I. 18786. 'Orge 89'. Morocco.
 283455. C.P.I. 18789. 'Orge 618'. Morocco.
 283456. C.P.I. 18790. 'Orge 628'. Morocco.
 283457. C.P.I. 19556. 'Herta'. Sweden.
 283458. C.P.I. 19557. 'Rika'. Sweden.
 283459. C.P.I. 19558. 'Stallar II'. Sweden.
 283460. C.P.I. 20829. 'Bankuti Korai Takarp'. Hungary.
 283462. C.P.I. 20831. 'Fertodi P'. Hungary.
 283462. C.I.P. 20831. 'Fertodi P'. Hungary.
 283463. C.I.P. 20835. 'Martonvasari FB.100'. Hungary.
 283464. C.P.I. 20838. 'Korai Tak Arpa'. Hungary.
 283465. C.P.I. 20839. 'Mesterhazi'. Hungary.
 283466. C.P.I. 20840. 'Mesohegyesi 68'. Hungary.
 283467. C.P.I. 20842. 'Szekacs 31'. Hungary.
 283468. C.P.I. 22824. 0-20-538. Czechoslovakia.
283469 to 283473. HOSAKIA SUBPINNATA G. Don Fabaceae.
 283469. C.P.I. 25559. Chile.
 283470. C.P.I. 25566. Chile.
 283471. C.P.I. 25846. S. America.

283159 to 283676—Continued**283469 to 283473—Continued**

283472. C.P.I. 25848. S. America.
 283473. C.P.I. 25849. S. America.
 283474. INDIGOFERA DIMORPHOPHYLLA Schinz Fabaceae.
 C.P.I. 18663. Hawaii.
 283475 and 283476. INDIGOFERA SUBULATA Vahl ex Poir. **Indigo.**
 283475. C.P.I. 20740. Kenya.
 283476. C.P.I. 24205. Cuba.
 283477. INDIGOFERA SUMATRANA Gaertn. **Indigo.**
 C.P.I. 24207. Cuba.
 283478. IXOPHORUS UNISETUS (Presl) Schlecht. Poaceae.
 C.P.I. 21357. Central America.
 283479. LATHYRUS ANGULATUS L. Fabaceae.
 C.P.I. 13575. Portugal.
 283480 to 283485. LATHYRUS APHACA L.
 283480. C.P.I. 10001. Cyprus.
 283481. C.P.I. 13731. India.
 283482. C.P.I. 13904. Cyprus.
 283483. C.P.I. 14188. Greece.
 283484. C.P.I. 14855. Israel.
 283485. C.P.I. 15095. Turkey.
 283486 to 283496. LATHYRUS ARTICULATUS L.
 283486. C.P.I. 13577. Portugal.
 283487. C.P.I. 16534. Portugal.
 283488. C.P.I. 16535. Portugal.
 283489. C.P.I. 16536. Portugal.
 283490. C.P.I. 16537. Portugal.
 283491. C.P.I. 16538. Portugal.
 283492. C.P.I. 16539. Portugal.
 283493. C.P.I. 16540. Portugal.
 283494. C.P.I. 16541. Portugal.
 283495. C.P.I. 16542. Portugal.
 283496. C.P.I. 18267. England.
 283497 to 283514. LATHYRUS CICERA L. **Flatpod peavine.**
 283497. C.P.I. 13163. Portugal.
 283498. C.P.I. 13428. Greece.
 283499. C.P.I. 13556. Norway.
 283500. C.P.I. 14295. Greece.
 283501. C.P.I. 14296. Greece.
 283502. C.P.I. 14297. Greece.
 283503. C.P.I. 16542. Portugal.
 283504. C.P.I. 16543. Portugal.
 283505. C.P.I. 16556. Portugal.

283159 to 283676—Continued**283497 to 283514—Continued**

- 283506. C.P.I. 20471. Cyprus.
- 283507. C.P.I. 20472. Cyprus.
- 283508. C.P.I. 20473. Cyprus.
- 283509. C.P.I. 20474. Cyprus.
- 283510. C.P.I. 20475. Cyprus.
- 283511. C.P.I. 20476. Cyprus.
- 283512. C.P.I. 20480. Cyprus.
- 283513. C.P.I. 20485. Cyprus.
- 283514. C.P.I. 20787. Greece.

283515 to 283519. LATHYRUS CLYMENUM L.

- 283515. C.P.I. 13164. Portugal.
- 283516. C.P.I. 13165. Portugal.
- 283517. C.P.I. 13578. Portugal.
- 283518. C.P.I. 16544. Portugal.
- 283519. C.P.I. 20477. Cyprus.

283520 and 283521. LATHYRUS HIRSUTUS L.

- 283520. C.P.I. 13579 Portugal.
- 283521. C.P.I. 25090. Tunisia.

283522. LATHYRUS NISSOLIA L.

- C.P.I. 13581. Portugal.

283523 to 283545. LATHYRUS OCHRUS (L.) DC.

- 283523. C.P.I. 9124. Palestine.
- 283524. C.P.I. 12410. Portugal.
- 283525. C.P.I. 13702. 'Louvana'. Cyprus.
- 283526. C.P.I. 13732. India.
- 283527. C.P.I. 13864. 'Louvana'. Cyprus.
- 283528. C.P.I. 13976. Morocco.
- 283529. C.P.I. 14522. Tunisia.
- 283530. C.P.I. 14972. 'Louvana'. Israel.
- 283531. C.P.I. 16229. Cyprus.
- 283532. C.P.I. 16545. Portugal.
- 283533. C.P.I. 16546. Portugal.
- 283534. C.P.I. 16547. Portugal.
- 283535. C.P.I. 16548. Portugal.
- 283536. C.P.I. 16949. Portugal.
- 283537. C.P.I. 16550. Portugal.
- 283538. C.P.I. 16551. Portugal.
- 283539. C.P.I. 18277. England.
- 283540. C.P.I. 20478. Cyprus.
- 283541. C.P.I. 23288. Hungary.
- 283542. C.P.I. 20479. Cyprus.
- 283543. C.P.I. 20481. Cyprus.

283159 to 283676—Continued**283523 to 283545—Continued**

283544. C.P.I. 20482. Cyprus.

283545. C.P.I. 20483. Cyprus.

283546 to 283599. LATHYRUS SATIVUS L.**Grass peavine.**

283546. C.P.I. 9512. Egypt.

283547. C.P.I. 9668. France.

283548. C.P.I. 9997. 'Favetta'. Cyprus.

283549. C.P.I. 10316. Czechoslovakia.

283550. C.P.I. 10724. U.S.S.R.

283551. C.P.I. 10725. U.S.S.R.

283552. C.P.I. 10726. U.S.S.R.

283553. C.P.I. 10780. Italy via U.S.S.R.

283554. C.P.I. 10781. Spain via U.S.S.R.

283555. C.P.I. 10782. Cyprus via U.S.S.R.

283556. C.P.I. 10785. U.S.S.R.

283557. C.P.I. 10786. U.S.S.R.

283558. C.P.I. 11032. Canada.

283559. C.P.I. 12411. Portugal.

283560. C.P.I. 13977. Morocco.

283561. C.P.I. 14162. Greece.

283562. C.P.I. 14630. India.

283563. C.P.I. 15232. Spain.

283564. C.P.I. 15438. Sudan.

283565. C.P.I. 15801. Morocco.

283566. C.P.I. 15802. Morocco.

283567. C.P.I. 16230. Cyprus.

283568. C.P.I. 18447. Hungary.

283569. C.P.I. 18401. Libya.

283570. C.P.I. 18282. 'Egypt'. Algeria.

283571. C.P.I. 20484. Cyprus.

283572. C.P.I. 20486. Cyprus.

283573. C.P.I. 20487. Cyprus.

283574. C.P.I. 20488. Cyprus.

283575. C.P.I. 20489. Cyprus.

283576. C.P.I. 20490. Cyprus.

283577. C.P.I. 20491. Cyprus.

283578. C.P.I. 20492. Cyprus.

283579. C.P.I. 20493. Cyprus.

283580. C.P.I. 20494. Cyprus.

283581. C.P.I. 20495. Cyprus.

283582. C.P.I. 21949. Italy.

283583. C.P.I. 21950. Italy.

283584. C.P.I. 21951. Italy.

283159 to 283676—Continued**283546 to 283599—Continued**

283585. C.P.I. 21952. Italy.
 283586. C.P.I. 22830. Czechoslovakia.
 283587. C.P.I. 22832. Czechoslovakia.
 283588. C.P.I. 22833. Czechoslovakia.
 283589. C.P.I. 22834. Czechoslovakia.
 283590. C.P.I. 22835. Czechoslovakia.
 283591. C.P.I. 22836. Czechoslovakia.
 283592. C.P.I. 22837. Czechoslovakia.
 283593. C.P.I. 22838. Czechoslovakia.
 283594. C.P.I. 24370. Poland.
 283595. C.P.I. 24371. Poland.
 283596. C.P.I. 24772. Afghanistan.
 283597. C.P.I. 25091. Tunisia.
 283598. C.P.I. 25092. Tunisia.
 283599. C.P.I. 25093. Tunisia.

283600 to 283603. LATHYRUS TINGITANUS L.

283600. C.P.I. 10463. Portugal.
 283601. C.P.I. 10898. Bulgaria.
 283602. C.P.I. 16555. Portugal.
 283603. C.P.I. 20496. Cyprus.

283604 to 283608. LENS CULINARIS Medic. Fabaceae.**Lentil.**

- Received as *L. esculenta*, a synonym.
 283604. C.P.I. 14428. Portugal.
 283605. C.P.I. 20788. Greece.
 283606. C.P.I. 20789. Red cotyledons. Greece.
 283607. C.P.I. 20790. Greece.
 283608. C.P.I. 20791. Greece.

283609 and 283610. LOLIUM MULTIFLORUM Lam. Poaceae.**Italian ryegrass.**

283609. C.P.I. 26064. Sweden.
 283610. C.P.I. 26066. Sweden.

283611 to 283613. LOLIUM REMOTUM Schrank

283611. C.P.I. 6094. France.
 283612. C.P.I. 6862. U.S.S.R.
 283613. C.P.I. 9537. Sweden.

283614. LOLIUM PERENNE L.C.P.I. 24359. Poland. Received as *L. oldenburgicum*.**283615. LOTUS HISPIDUS Desf. Fabaceae.**

C.P.I. 23289. Hungary.

283616. LOTUS CONIMBRICENSIS Brot.

C.P.I. 22202. Sweden.

283617. LOTUS CONJUGATUS L.

C.P.I. 23290. Hungary.

283159 to 283676—Continued

- 283618 to 283625. *LOTUS CORNICULATUS* L. **Birdsfoot trefoil.**
 283618. C.P.I. 14089. Italy.
 283619. C.P.I. 22785. Czechoslovakia.
 283620. C.P.I. 23036. Portugal.
 283621. C.P.I. 23292. Hungary.
 283622. C.P.I. 23293. Hungary.
 283623. C.P.I. 23786. Turkey.
 283624. C.P.I. 23974. Sweden.
 283625. C.P.I. 24449. Czechoslovakia.
283626. *LOTUS CYTISOIDES* L.
 C.P.I. 24386. France.
283627. *LOTUS EDULIS* L.
 C.P.I. 13147. Tunisia.
- 283628 and 283629. *LOTUS MAROCCANUS* Ball
 283628. C.P.I. 22801. Morocco.
 283629. C.P.I. 23601. Canary Islands.
283630. *LOTUS HISPIDUS* Desf.
 C.P.I. 23294. Hungary.
- 283631 and 283632. *LOTUS TENUIS* Waldst. & Kit. ex Willd.
 283631. C.P.I. 23787. Turkey.
 283632. C.P.I. 23788. Turkey.
- 283633 to 283638. *LUPINUS ANGUSTIFOLIUS* L.
 283633. C.P.I. 10044. Germany.
 283634. C.P.I. 10047. Germany.
 283635. C.P.I. 10348. Bulgaria.
 283636. C.P.I. 16361. S. Africa.
 283637. C.P.I. 16582. Portugal.
 283638. C.P.I. 22847. Czechoslovakia.
283639. *MEDICAGO ARABICA* (L.) All. Fabaceae. **Spotted burclover.**
 C.P.I. 12122. 'Manganese'. U.S.S.R.
283640. *MEDICAGO COERULEA* Ledeb.
 C.P.I. 22324. U.S.S.R.
- 283641 to 283647. *MEDICAGO ORBICULARIS* (L.) All. **Buttonclover.**
 283641. C.P.I. 13810. Lebanon.
 283642. C.P.I. 13811. Lebanon.
 283643. C.P.I. 14094. Italy.
 283644. C.P.I. 14530. Tunisia.
 283645. C.P.I. 14724. Morocco.
 283646. C.P.I. 14725. Morocco.
 283647. C.P.I. 14880. Israel
- 283648 to 283657. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinners
California burclover.
 283648. C.P.I. 14869. Israel.

283159 to 283676—Continued**283648 to 283657—Continued**

283649. C.P.I. 14872. Israel.
 283650. C.P.I. 19887. Spain.
 283651. C.P.I. 13919. Cyprus.
 283652. C.P.I. 13940. Cyprus.
 283653. C.P.I. 14869. Israel.
 283654. C.P.I. 14876. Israel.
 283655. C.P.I. 14877. Israel.
 283656. C.P.I. 15324. Israel.
 283657. C.P.I. 26117. Sweden.
283658. *MEDICAGO SATIVA* var. *GLUTINOSA* (Bieb.) Urban
 C.P.I. 22325. U.S.S.R.
283659. *MEDICAGO SCUTELLATA* (L.) Mill. **Snail medic.**
 C.P.I. 13910. Cyprus.
283660. *MEDICAGO TIANSHANICA* Vassilcz.
 C.P.I. 22326. U.S.S.R.
- 283661 and 283662. *MEDICAGO TRIBULOIDES* Desr. **Barrel medic.**
 283661. C.P.I. 13912. Annual. Cyprus.
 283662. C.P.I. 14095. Italy.
283663. *MELILOTUS WOLGICA* Poir. Fabaceae.
 C.P.I. 21111. Czechoslovakia.
283664. *ONOBRYCHIS SAXATILIS* (L.) Lam. Fabaceae.
 C.P.I. 23318. Hungary.
283665. *ONOBRYCHIS SCHUGNANICA* Fedtsch.
 C.P.I. 21128. U.S.S.R.
- 283666 and 283667. *ONOBRYCHIS TRANSCAUCASICA* Grossh.
 283666. C.P.I. 20662. U.S.S.R.
 283667. C.P.I. 22329. U.S.S.R.
- 283668 to 283675. *ONOBRYCHIS VICIFOLIA* Scop. **Sainfoin.**
 283668. C.P.I. 14658. Algeria.
 283669. C.P.I. 18762. 'Cotswold Common'. England.
 283670. C.P.I. 18792. Spain.
 283671. C.P.I. 18793. Spain.
 283672. C.P.I. 18794. Spain.
 283673. C.P.I. 18797. France.
 283674. C.P.I. 23315. Hungary.
 283675. C.P.I. 23317. Hungary.
283676. *ONOBRYCHIS TANAITICA* Sprengel
 C.P.I. 22330. U.S.S.R.
283677. *PRUNUS AMYGDALUS* Batsch Amygdalaceae. **Almond.**
 From Iran. Seeds presented by the Rural Development Division, United States Agency for International Development, Iran, Tehran. Received October 3, 1962.
 Growing near Shiraz, Fars Ostan. Produces flowers in several flushes.

283678 to 283688. ORYZA SATIVA L. Poaceae. Rice.

From Pakistan. Seeds presented by the Economic Botanist (Cereals), Dacca-5. Received October 5, 1962.

283678. 'Dacca-31'.
 283679. 'Daharial' (AUS).
 283680. 'Dular' (AUS).
 283681. 'Hashikalmi' (AUS).
 283682. 'Kataktara' (AUS).
 283683. K-P-F-6 (AUS).
 283684. 'Latisail' (T. Aman).
 283685. 'Marich Bati' (AUS).
 283686. 'Panbira' (AUS).
 283687. 'Patnai-23' (T. Aman).
 283688. 'Tilokkachari' (T. Aman).

283689. COTONEASTER sp. Malaceae.

From India. Seeds presented by the United States Embassy, New Delhi. Received October 5, 1962.

Collected at Chakrata, Dehra Dun District, Uttar Pradesh. Plants reportedly trailing.

283690 to 283692.

From Indonesia. Seedlings and grafts presented by the Lembaga Hortus Botanicus Bogoriensis, Bogor, Java. Received October 5, 1962.

283690. BOUEA GANDARIA Blume Anacardiaceae.
 283691. LANSIUM DOMESTICUM Jack Miliaceae. **Langsat.**
 283692. NEPHELIUM LAPPACEUM L. Sapindaceae. **Rambutan.**
 'Bindjai'.

283693 and 283694. FRAGARIA CHILOENSIS (L.) Duchesne Rosa-Chiloe strawberry.

From Germany. Plants presented by the Max Planck Institut fur Zuchtungs-forschung, Koln-Vogelsang. Received October 12, 1962.

283693. 57-14219.
 283694. 45-45.

283695. GOSSYPIUM HIRSUTUM L. Malvaceae. Upland cotton.

From Greece. Seeds presented by the Cotton Research Institute, Sindos. Received October 15, 1962.

'Acala 2'.

283696. ORYZA SATIVA L. Poaceae. Rice.

From the Philippines. Seeds presented by the Maligaya Experiment Station, Munoz, Nueva Ecija. Received October 15, 1962.

'Milagrosa'.

283697. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae. Leadtree.

From New Caledonia. Seeds presented by the Service de l'Agriculture, Noumea. Received October 15, 1962.

Received as *L. glauca*, a synonym.

283698. MALUS SYLVESTRIS Mill. Malaceae.

From the United States. Sport presented by Haig Dermen, Beltsville, Md. Numbered October 15, 1962.

'Imperial Stayman'. Sport of 'Blaxtayman No. 201'.

283699. POLYGONATUM sp. Convallariaceae.

From Japan. Rhizomes presented by Torazo Onoda, Matsugasaki, Kyoto. Received October 16, 1962.

283700 to 283728.

From the United States. Seeds collected by H. S. Gentry, plant explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered October 16, 1962. Collected in California unless otherwise noted.

283700. LESQUERELLA FENDLERI Wats. Brassicaceae.

Col. No. 19231. Sandy hilltop with *Larrea* and mesquite scrub, along Rt. 302, 4.5 miles northeast of Menton, Loving County, Texas.

283701. LIMNANTHES ALBA Benth. Limnanthaceae.

Col. No. 19718. Sandy-loam barley field along Rt. 99E, 6.5 miles south-east of Wheatland, Yuba County. Elevation 65 feet.

283702 to 283704. LIMNANTHES ALBA Benth. var. *ALBA*.

283702. Col. No. 19717. Along Rt. 99E, 18 miles southeast of Chico, Butte County.

283703. Col. No. 19719. Oatfield swale, 0.8 mile north of freeway on Spruce Ave., east side, Antelope, Sacramento County. Elevation 100 feet.

283704. Col. No. 19720. Oatfield along Rt. 16, 8 miles east of Perkins, Sacramento County. Elevation 75 feet.

283705. LIMNANTHES ALBA var. *VERSICOLOR* (Greene) C. T. Mason

Col. No. 19693. Arroyo gravel, along Rt. 299, 2 miles east of Rt. 99, near Redding. Elevation 700 feet.

283706 and 283707. LIMNANTHES BAKERI Howell

283706. Col. No. 19705. Wet meadow, east side of Hwy. 101, 1 mile north of Willits, Mendocino County.

283707. Col. No. 19733. By barns, meadow waterway, 1 mile east of Willits, Mendocino County. Elevation 1,300 feet.

283708 and 283709. LIMNANTHES DOUGLASII R. Br. var. *DOUGLASII*

283708. Col. No. 19715. Black clay soil, along railroad and Rt. 234 and under Rt. 99, between Winchester and Wilbur Douglas County, Ore.

283709. Col. No. 19735. Bottomland clay soil, meadow by lake, Nicasio, Marin County. Elevation 250 feet.

283710 to 283714. LIMNANTHES DOUGLASII var. *NIVEA* C. T. Mason

283710. Col. No. 19701. South side of tree-lined farm road, 0.9 mile west of Oakville, road to Hwy. 12, Sonoma County.

283711. Col. No. 19703. Silty loam bottomland, along Rt. 128, 3 miles north of Calistoga, Napa County. Elevation 200 feet.

283712. Col. No. 19707. Along Rt. 20, 1 mile west of Nice, Lake County. Elevation 1,350 feet.

283713. Col. No. 19734. Fallow field with sparse stubble, silt loam; 1 mile east and 0.5 mile north of Willits, Mendocino County. Elevation 1,300 feet.

283700 to 283728—Continued**283710 to 283714—Continued**

283714. Col. No. 19736. Moist lowland in fallow field 3 miles southeast of Calistoga, Napa County. Elevation 300 feet.

283715 to 283717. *LIMNANTHES DOUGLASII* var. *ROSEA* C. T. Mason

283715. Col. No. 19685. Pasture fence corner, meandering wash, 3 miles north of Snelling, Merced County. Dense colony.

283716. Col. No. 19691. Clay soil, vernal pasture pool, along Rt. 90E, 10 miles north of Chico, Mesa County.

283717. Col. No. 19709. Volcanic soil 8 miles west of Red Bluff, Tehama County. Elevation 650 feet.

283718. *LIMNANTHES DOUGLASII* R. Br. var. *DOUGLASII*

Col. No. 19699. Six miles southwest of road fork, Pt. Reyes peninsula, Marin County. Elevation 250 feet.

283719. *LIMNANTHES FLOCCOSA* Howell

Col. No. 19694. Open pine and oak on sandstone, along Rt. 299, 5 miles east of Bella Vista, Shasta County.

283720. *LIMNANTHES FLOCCOSA* var. *BELLINGERIANA* (M. E. Peck) C. T. Mason

Col. No. 19712. Along Rt. 66 between Mt. View and Lincoln, 1.3 miles west of Pinehurst, Jackson County, Ore.

283721. *LIMNANTHES FLOCCOSA* var. *PUMILA* (Howell) C. T. Mason.

Col. No. 19716. Lava mesa, top of Lower Table Rock, Jackson County, Ore. Elevation 2,250 feet.

283722. *LIMNANTHES GRACILIS* Howell

Col. No. 19714. Gravely loam grainfield behind house 1.1 miles north of Kirby, Josephine County, Ore.

283723. *LIMNANTHES GRACILIS* Howell var. *GRACILIS*

Col. No. 19754. Kirby, Josephine County, Ore. Elevation 1,400 feet.

283724. *LIMNANTHES GRACILIS* var. *PARISHII* (Jepson) C. T. Mason

Col. No. 19737. Moist meadowland north end of Cayamach Lake, San Diego County.

283725 and 283726. *LIMNANTHES MONTANA* Jepson

283725. Col. No. 19728. Moist granitic northern slope, along Rt. 140, 6.5 miles west of Mariposa, Mariposa County.

283726. Col. No. 19789. Six miles northwest of Ahwahnee, Mariposa County.

283727 and 283728. *LIMNANTHES STRIATA* Jepson

283727. Col. No. 19686. Along creek 5 miles north of La Grange, Tuolumne County.

283728. Col. No. 19729. Dry stream bank, junction of Rts. 49 and 108, 7 miles southwest of Sonora, Tuolumne County.

283729. *VERNONIA ANTHELMINTICA* (L.) Willd. Asteraceae.**Kinkaoil ironweed.**

From Pakistan. Seeds purchased in various shops around Rawalpindi and presented by Gordon College. Numbered October 16, 1962.

283730. *VERNONIA ANTHELMINTICA* (L.) Willd. Asteraceae.**Kinkaoil ironweed.**

From India. Seeds purchased from Herbst Brothers, N.Y. Numbered October 16, 1962.

283731 to 283794. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.

From India. Seeds presented by the Agricultural Research Institute, Rajendranagar, Hyderabad (Deccan), through the University of California, Davis, Calif. Received October 17, 1962.

283731.	OT-449.	283763.	T.M. 9.
283732.	OT-451.	283764.	T.M. 10.
283733.	OT-454.	283765.	T.M. 11.
283734.	OT-455.	283766.	T.M. 12.
283735.	Pr. I-494.	283767.	T.M. 13.
283736.	Pr. I-495.	283768.	T.M. 14.
283737.	Pr. II-457.	283769.	T.M. 15.
283738.	Pr. II-459.	283770.	T.M. 16.
283739.	Pr. II-460.	283771.	T.M. 17.
283740.	Pr. II-463.	283772.	T.M. 18.
283741.	Pr. II-466.	283773.	T.M. 19.
283742.	Pr. II-467.	283774.	T.M. 20.
283743.	Pr. II-469.	283775.	T.M. 21.
283744.	Pr. II-472.	283776.	T.M. 22.
283745.	Pr. II-473.	283777.	T.M. 23.
283746.	Pr. II-474.	283778.	T.M. 24.
283747.	Pr. II-475.	283779.	T.M. 25.
283748.	Pr. II-481.	283780.	T.M. 26.
283749.	PYT. I-431.	283781.	T.M. 27.
283750.	PYT. I-433.	283782.	T.M. 28.
283751.	PYT. II-438.	283783.	T.M. 29.
283752.	PYT. II-439.	283784.	T.M. 30.
283753.	PYT. II-442.	283785.	T.M. 32.
283754.	SF. 379. Coimbatore.	283786.	T.M. 54.
283755.	T.M. 1.	283787.	T.M. 55.
283756.	T.M. 2.	283788.	T.M. 56.
283757.	T.M. 3.	283789.	T.M. 57.
283758.	T.M. 4.	283790.	T.M. 58.
283759.	T.M. 5.	283791.	T.M. 59.
283760.	T.M. 6.	283792.	T.M. 60.
283761.	T.M. 7.	283793.	T.M. 61.
283762.	T.M. 8.	283794.	T.M. 62.

283795 to 283891.

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Christchurch. Received October 18, 1962.

All are "S" collection numbers, unless otherwise indicated.

283795 to 283881. TRITICUM AESTIVUM L. Poaceae. Common wheat.

Originally from Afghanistan.

283795. E-707. 'Afghanistan 6'.

283796. 2410. Winter wheat 12718.

283795 to 283891—Continued**283795 to 283881—Continued**

283797. 2411. Winter wheat 12733.
283798. 2413. Spring wheat 12698.
283799. 2422. 'Erythrospermum 12437'.
283800. 2423. 'Lutescens 12681'.
283801. 2424. 'Meridionale 12874'.
283802. 2425. 'Pseudo-turcicum 12765'.
Originally from Argentina.
283803. 1349. 'Favorito' × 38-11-2.
283804. 1351. 38 × 'San Martin × 137'.
283805. 1352. 38 × 'San Martin-77-0-' (11,13).
283806. 1353. 'Vencedor' × 'Lin Calel-2-1'.
283807. 1354. 'Vencedor' × 'Kanred-60-4'.
283808. 1355. 38 × 'Ardito-21-0-' (1,2).
283809. 1357. 'Kanred' × 'Pagador-26-4'.

Originally from Australia.

283810. E-852. 'Australian Poulard'.
283811. 1139. 'American 8'.
283812. 1141. 'Aust. Talavera'.
283813. 1145. 'Bearded Gluyas'.
283814. 1146. 'Binya'.
283815. 1150. 'Boonoo'.
283816. 1151. 'Bredbo'.
283817. 1157. 'Canunbla'.
283818. 1158. 'Cargo'.
283819. 1167. 'Genoa'.
283820. 1177. 'Fife'.
283821. 1182. 'King's Red'.
283822. 1183. 'King's White'.
283823. 1185. 'Majestic'.
283824. 1189. 'Nizam'.
283825. 1196. 'Roseworthy'.
283826. 1203. 'Turvey'.
283827. 1211. 'Zealand'.
283828. 1218. 'Nawaba'.
283829. 2226. 'Fedweb 3'.
283830. 2227. 'Webster' × 'Federation'.
283831. 2231. 'Hofed 1'.
283832. 2232. 'Hofed 2'.
283833. 2233. 'Hofed 10'.
283834. 2234. 'Hofed 11'.
283835. 2235. 'Euston' × 'Hope'.
283836. 2236. 'Dan' × 'Hope'.

283795 to 283891—Continued**283795 to 283881—Continued**

283837. 2237. 'Canberra' × 'Thew'.
 283838. 2239. 'Canko 1'.
 283839. 2240. 'Garra' × 'Khapli'.
 283840. 2248. 'Kenya' C. 9906.
 283841. 2373. 'Pusa 113' C. 5271.
 283842. 2379. 'Hume' C. 5838.
 283843. 2380. 'Charity' C. 6174.
 283844. 2384. 'Cailloux' C. 8810.
 283845. 2541. 'Dan'.
 283846. 2628. 'Warigo'.
 283847. 2751. 'Clarendon-Hope Dd' × 'Nabawa'.
 283848. 2752. 'Ideal' × 'Kenya-Baringa'.
 283849. 2760. 'Winter Minflor'.
 283850. 2761. 'Kenya-Puss 4-Nabawa-Ghurka' × 'Early Blackhull'.
 283851. 2763. 'Marquillo-Waratah' × 'Baringa'.
 283852. 2836. 'Sherpa'.
 Originally from China.
 283853. E-672. 'China 34'.
 Originally from India.
 283854. E-708. 'Indore E 2'.
 283855. E-725. 'Narsingarh N121'.
 283856. E-730. 'Dhar 1'.
 283857. E×732. 'Orcha 01 Bulk'.
 283858. 2281. 'Narsingarh N35'.
 283859. 2284. 'Rewa R3'.
 283860. 2303. 'Bijawar B4'.
 283861. 2304. 'Zonk 1'.
 Originally from New Zealand.
 283862. 1223. 'College Hunters'.
 283863. 1224. 'College Hunters', Bell's Seln.
 283864. 1227. 'Velvet'.
 283865. 1228. 'Solid-Straw Velvet'.
 283866. 1231. 'Sensation'.
 283867. 1234. 'Goldberry No. 32'.
 283868. 2837. 'Fife Tuscan'.
 283869. 2838. 'Tainui'.
 283870. 2839. 'Yielder'.
 283871. 2840. 'Hilgendorf'.
 283872. 2841. 'Arawa'.
 283873. 3051. 'Cross 7 1951'. Mildew resistant.
 283874. 3052. 'Hilgendorf 1961'. Mildew resistant.

283795 to 283891—Continued**283795 to 283881—Continued**

Originally from North America.

283875. 1259. 'April Bearded'.

283876. 1260. 'Beaver Lodge'.

283877. 1261. 'Camrose'.

283878. 1668. 'Sedgwick'.

283879. 1671. 'Pesterboden'.

Originally from South America.

283880. 1966. 'Chilean Wheat'.

283881. 1969. 'Lin Calel'.

283882 to 283886. TRITICUM COMPACTUM Host**Club wheat.**

Originally from Afghanistan.

283882. 2426. 12682.

283883. 2429. 'Echinoides' 12491.

283884. 2430. 'Erinaceum' × 'Feet'. 12614.

283885. 2431. 'Erinaceum Ovflatum' 12720.

283886. 2432. 'Fettioroi 12693'.

283887 and 283888. TRITICUM PERSICUM Vav.**Persian wheat.**

Originally from Persia (now Iran).

Received as var. *stramineum*.

283887. E-681. 'Persian', C.P.I. 2679.

283888. E-687. 'Persian', C.P.I. 2685.

283889 and 283890. TRITICUM PERSICUM var. RUBICINOSUM Zhuk.

Originally from Persia (now Iran).

283889. E-682. 'Persian'. C.P.I. 2680.

283890. E-683. 'Persian'. C.P.I. 2681.

283891. TRITICUM sp.

E-678. 'Persian Black'. Originally from Persia (now Iran).

283892 to 283898. CITRUS LIMON (L.) Burm. f. Rutaceae.**Lemon.**

From Sicily. Seeds presented by the Stazione Sperimentale di Agrumicoltura, Acireale. Received October 22, 1961.

283892. 'Arancino' (Coccuzzaro).

283893. 'Femminello Ovale'.

283894. 'Femminello Sfusato'.

283895. 'Interdonato'.

283896. 'Lo Porto'.

283897. 'Lunario'.

283898. 'Monachello'.

283899 to 283956.

From Czechoslovakia. Seeds presented by the Research Institute for Vegetables, Olomouc. Received October 22, 1962.

Countries of origin other than Czechoslovakia are indicated.

283899 to 283956—Continued

- 283899 to 283902.** CUCUMIS SATIVUS L. Cucurbitaceae. **Cucumber.**
- 283899.** 'Bilske Nakladacky'. Pickling variety; fruits short, oval, moderately tapering, dark green, covered with fine warts.
- 283900.** 'Melnicke Nakladacky'. Pickling variety; fruits short, cylindrical; warts few.
- 283901.** 'Mladoboleslavske Salatnice'. Salad variety; fruits medium long, cylindrical, slender, dark green; warts few.
- 283902.** 'Znojemska Nakladacky'. Pickling variety; fruits short, oval, moderately tapering, dark green; warts abundant.
- 283903 to 283956.** LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**
- Plants low, probably determinate; stem firm, spreading.
- 283903.** 'Alaszka'. Hungary. Early variety; fruits round, smooth.
- 283904.** 'Alpatjeva 0905a'. U.S.S.R. Medium early variety; fruits medium size, smooth, round.
- 283905.** 'Amerikanischer Zwerg'. Germany. Late variety; fruits flat; ribbed, yellow.
- 283906.** 'Atom 1'. England. Medium early variety; fruits smooth, moderately elongated.
- 283907.** 'Chabarovskij Stambovyj'. U.S.S.R. Late variety; fruits medium size, smooth, round, rosy colored.
- 283908.** 'Doneckij'. U.S.S.R. Late variety; fruits medium size, flattish, smooth.
- 283909.** 'Gracie'. Hungary. Late variety; fruits flat round, smooth.
- 283910.** 'Gracie Torpe'. Hungary. Late variety; fruits medium size, smooth round.
- 283911.** 'Hybrid 31'. 1592/61. U.S.S.R. Very late variety; fruits moderately flat, ribbed.
- 283912.** 'Hybrid 31'. 1819/61. U.S.S.R. Very late variety; fruits moderately flat, ribbed.
- 283913.** 'Hybrid 99 Mnogolobnyj'. U.S.S.R. Early variety; fruits flat, moderately ribbed.
- 283914.** 'Ijulskie'. U.S.S.R. Fruits large, smooth.
- 283915.** 'Ijulskie No. 242'. U.S.S.R. Early variety; fruits flat, smooth or ribbed.
- 283916.** 'Jubileum'. Grossbeeren, Germany. Midseason-late variety; fruits medium size, smooth.
- 283917.** 'Karlikovyj Sion'. U.S.S.R. Early-midseason variety; fruits medium size, smooth, round.
- 283918.** 'Karzelek Bialy'. Poland. Early variety; fruits small, smooth.
- 283919.** 'Karzelek Chodowski'. Poland. Early variety; fruits smooth.
- 283920.** 'Karzelek Pulawski'. Poland. Early-midseason variety; fruits flat, smooth.
- 283921.** 'Kecskemeti Felmagas'. Hungary. Early-midseason variety; fruits medium size, flat round, smooth.
- 283922.** 'Keczkemeti Torpe'. Hungary. Midseason-late variety; fruits medium size, round or flat, smooth.
- 283923.** 'Krasnoznamennyj'. Germany. Midseason-late variety; fruits medium size, round, smooth.
- 283924.** 'Krasnyj Dar'. U.S.S.R. Early-midseason variety; fruits large, flat.

283899 to 283956—Continued**283903 to 283956—Continued**

- 283925.** 'Kuban 557'. U.S.S.R. Late variety; fruits flat, moderately ribbed.
- 283926.** 'Liliputek Wladzikowski'. Poland. Early-midseason variety; fruits flat round, smooth.
- 283927.** 'Manitoba'. Canada. Very early variety; fruits large, round, smooth or ribbed.
- 283928.** 'Mexzoli-Fele-Alacsony'. Hungary. Midseason-late variety; fruits medium size, flat round, smooth.
- 283929.** 'Micurinskije 337'. 1582/61. U.S.S.R. Midseason-late variety; fruits medium size, flat round, smooth.
- 283930.** 'Micurinskije 337'. 1832/61. U.S.S.R. Midseason-late variety; fruits medium size, flat round, smooth.
- 283931.** 'Morskin'. Poland. Early-midseason variety; fruits medium size, elongated, pointed.
- 283932.** 'Morskin 12'. Early-midseason variety; fruits medium size, smooth, round.
- 283933.** 'Mory 25'. Poland. Fruits medium size.
- 283934.** 'Mory 33'. Poland. Early variety; fruits medium size, smooth, round.
- 283935.** 'Niedrige Verbesserte Hollandische'. Netherlands. Early-midseason variety; fruits medium size, flat round.
- 283936.** 'Nizke Produktivni'. Midseason-late variety; fruits medium size, smooth, round.
- 283937.** 'Pitica Eva'. Rumania. Late variety; fruits medium size, flat, round.
- 283938.** 'Planovyj'. U.S.S.R. Late variety; fruits medium size to large, flattish, smooth or ribbed.
- 283939.** 'Plovdivska Konzerva'. × 'Bizon'. Early variety; fruits medium size, flat round.
- 283940.** 'Podarok Rodine'. U.S.S.R. Late variety; fruits large, flat, smooth.
- 283941.** 'Rajce 79'. Yugoslavia. Early-midseason variety; fruits large, flat, smooth.
- 283942.** 'Rannyj Rozoviz'. Soviet Union. Fruits medium size, smooth, round.
- 283943.** 'Rannyj Vitebskij'. U.S.S.R. Early variety; fruits flat, moderately ribbed.
- 283944.** 'Resista'. Hungary. Late variety; fruits medium size, smooth, round.
- 283945.** 'Rizskie'. U.S.S.R. Early variety; fruits large, smooth.
- 283946.** 'Roter Gnom'. Germany. Late variety; fruits medium size, smooth, flat round.
- 283947.** 'Rudloff'. Netherlands. Midseason-late variety; fruits medium size, smooth, round.
- 283948.** 'Self Pruning'. Early variety; fruits medium size, smooth, round.
- 283949.** 'Sibirskij Stambovyj'. U.S.S.R. Early variety; fruits medium size, flat, round, smooth.
- 283950.** 'Stambovyj Karlik'. U.S.S.R. Early variety; fruits medium size, smooth, round.

283899 to 283956—Continued**283903 to 283956—Continued**

283951. 'Sverchrannyj B84'. U.S.S.R. Midseason-late variety; fruits medium size, smooth, round.
283952. 'The Amateur'. Netherlands. Early-midseason variety; fruits medium size, smooth.
283953. 'Tiraspolskij Stambovij'. No data available.
283954. 'Trpaslice'. Late variety; fruits medium size, smooth, round, yellow.
283955. 'Versalskie'. U.S.S.R. Early-midseason variety; fruits large, flat round.
283956. 'Vrbicanske Nizke'. Early-midseason variety; fruits medium size, smooth, round.

283957 to 284106.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received October 22, 1962.

Countries of original collection other than Australia are indicated.

283957. *PHALARIS AQUATICA* L. Poaceae.

Unnumbered.

283958. *POA* sp. Poaceae.

C.P.I. 24180. U.S.S.R.

283959 to 282961. *POA PRATENSIS* L.

Kentucky bluegrass.

283959. C.P.I. 22581. Germany.

283960. C.P.I. 24364. Poland.

283961. C.P.I. 24741. Turkey.

283962. *POA SILVICOLA* Guss.

C.P.I. 24108. U.S.S.R.

283963. *POA STERILIS* Bieb.

C.P.I. 24109. U.S.S.R.

283964. *POA STIRIACA* Fritsch & Hayek

C.P.I. 22243. Poland.

283965. *POA VIOLACEA* Bell.

C.P.I. 22723. Denmark.

283966 to 283970. *PSORALEA BITUMINOSA* L. Fabaceae.

Scurf-pea.

283966. C.P.I. 10561. France.

283967. C.P.I. 19658. Portugal.

283968. C.P.I. 24117. U.S.S.R.

283969. C.P.I. 24389. France.

283970. C.P.I. 25094. Tunisia.

283971. *SECALE ANATOLICUM* Boiss. Poaceae.

C.P.I. 19359. Algeria.

283972. *SECALE ANCESTRALE* Zhuk.

C.P.I. 23707. U.S.S.R.

283973 and 283974. *SECALE CEREALE* L.

Rye.

283973. C.P.I. 24367. Poland.

283974. C.P.I. 24368. Poland.

283957 to 284106—Continued

283975. *SECALE KUPRIJANOVII* Grossh.
C.P.I. 23708. U.S.S.R.
- 283976 to 283981. *SECALE MONTANUM* Guss. **Mountain rye.**
283976. C.P.I. 19360. Algeria.
283977. C.P.I. 23281. 'Dania'. Hungary.
283978. C.P.I. 23282. 'Magyararszrag'. Hungary.
283979. C.P.I. 23283. 'Krayca'. Hungary.
283980. C.P.I. 23284. Hungary.
283981. C.P.I. 23285. Hungary.
283982. *SECALE SEGETALE* (Zhuk.) Roshev.
C.P.I. 23709. U.S.S.R.
- 283983 to 283985. *SECALE SYLVESTRE* Host
283983. C.P.I. 23711. U.S.S.R.
283984. C.P.I. 24181. U.S.S.R.
283985. C.P.I. 24639. U.S.S.R.
283986. *SETARIA HOLSTII* Herrm. Poaceae.
C.P.I. 15400. Sudan.
- 283987 and 283988. *SETARIA ITALICA* (L.) Beauv. **Foxtail millet.**
283987. C.P.I. 13616. 'Fenai Co. I'. India.
283988. C.P.I. 26300. Spain.
- 283989 to 283992. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard
283989. C.P.I. 1598. Tanganyika.
283990. C.P.I. 16413. Nigeria.
283991. C.P.I. 17795. Kenya.
283992. C.P.I. 23604. 'Kazungula'. South Africa.
283993. *STIPA HYALINA* Nees Poaceae.
C.P.I. 22410. Argentina.
283994. *STYLOSANTHES GRACILIS* HBK Fabaceae.
C.P.I. 5630. Brazil.
- 283995 to 283997. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. **Berseem clover.**
283995. C.P.I. 14983. 'Fahli'. Israel.
283996. C.P.I. 15810. Morocco
283997. C.P.I. 21962. Italy.
283998. *TRIFOLIUM ALPESTRE* L.
C.P.I. 22331. U.S.S.R.
- 283999 to 284006. *TRIFOLIUM AMBIGUUM* Bieb. **Kura clover.**
283999. C.P.I. 2264. U.S.S.R.
284000. C.P.I. 9949. U.S.S.R.
284001. C.P.I. 18115. New Zealand.
284002. C.P.I. 23807. Turkey.
284003. C.P.I. 23808. Turkey.
284004. C.P.I. 23809. Turkey.

283957 to 284106—Continued**283999 to 284006—Continued**

284005. C.P.I. 23810. Turkey.
 284006. C.P.I. 23811. Turkey.
284007. TRIFOLIUM APERTUM Bobr.
 C.P.I. 22003. U.S.S.R.
284008. TRIFOLIUM BEJARINENSE Moric.
 C.P.I. 21853. England.
284009. TRIFOLIUM CARMELII Boiss.
 C.P.I. 15637. Israel.
284010. TRIFOLIUM ECHINATUM var. CARMELII (Boiss) Bib. & Belli
 C.P.I. 18739. Israel.
- 284011 to 284025. TRIFOLIUM CHERLERI L.
284011. C.P.I. 13930. Cyprus.
 284012. C.P.I. 14235. Greece.
 284013. C.P.I. 14448. Portugal.
 284014. C.P.I. 14548. Algeria.
 284015. C.P.I. 14549. Algeria.
 284016. C.P.I. 14734. Morocco.
 284017. C.P.I. 14926. Israel.
 284018. C.P.I. 15169. France.
 284019. C.P.I. 15175. France.
 284020. C.P.I. 15252. Spain.
 284021. C.P.I. 15253. Spain.
 284022. C.P.I. 15638. Israel.
 284023. C.P.I. 22987. Portugal.
 284024. C.P.I. 23060. Italy.
 284025. C.P.I. 24348. Italy.
284026. TRIFOLIUM DESVAUXII Boiss. & Blanche
 C.P.I. 13816. Lebanon.
284027. TRIFOLIUM ARVENSE L. Rabbitfoot clover.
 C.P.I. 23819. Turkey. Received as *T. armenium*.
284028. TRITICUM AESTIVUM L. Poaceae. Common wheat.
 C.P.I. 22001. U.S.S.R.
284029. VICIA LUTEA L. Fabaceae.
 C.P.I. 10482. Portugal.
- 284030 to 284100. VICIA SATIVA L. Common vetch.
284030. C.P.I. 18743. Israel.
 284031. C.P.I. 18766. Belgium.
 284032. C.P.I. 18782. Belgium.
 284033. C.P.I. 20343. France.
 284034. C.P.I. 20344. 'Blanchefleur'. France.
 284035. C.P.I. 20345. 'Occitane'. France.
 284036. C.P.I. 20509. Cyprus.

283957 to 284106—Continued**284030 to 284100—Continued**

- 284037. C.P.I. 21120. Czechoslovakia.
- 284038. C.P.I. 21977. Italy.
- 284039. C.P.I. 21978. Italy.
- 284040. C.P.I. 21979. Italy.
- 284041. C.P.I. 21980. Italy.
- 284042. C.P.I. 21981. Italy.
- 284043. C.P.I. 21982. Italy.
- 284044. C.P.I. 22908. Czechoslovakia.
- 284045. C.P.I. 22909. Czechoslovakia.
- 284046. C.P.I. 22910. Czechoslovakia.
- 284047. C.P.I. 22911. Czechoslovakia.
- 284048. C.P.I. 22912. Czechoslovakia.
- 284049. C.P.I. 22913. Czechoslovakia.
- 284050. C.P.I. 22914. Czechoslovakia.
- 284051. C.P.I. 22915. Czechoslovakia.
- 284052. C.P.I. 22916. Czechoslovakia.
- 284053. C.P.I. 22917. Czechoslovakia.
- 284054. C.P.I. 22918. Czechoslovakia.
- 284055. C.P.I. 22919. Czechoslovakia.
- 284056. C.P.I. 22920. Czechoslovakia.
- 284057. C.P.I. 22921. Czechoslovakia.
- 284058. C.P.I. 22922. Czechoslovakia.
- 284059. C.P.I. 22923. Czechoslovakia.
- 284060. C.P.I. 22924. Czechoslovakia.
- 284061. C.P.I. 22925. Czechoslovakia.
- 284062. C.P.I. 22926. Czechoslovakia.
- 284063. C.P.I. 22927. Czechoslovakia.
- 284064. C.P.I. 22928. Czechoslovakia.
- 284065. C.P.I. 23515. U.S.S.R.
- 284066. C.P.I. 23637. Turkey via Germany.
- 284067. C.P.I. 23638. Turkey via Germany.
- 284068. C.P.I. 23639. Turkey via Germany.
- 284069. C.P.I. 23677. Germany.
- 284070. C.P.I. 23674. Germany.
- 284071. C.P.I. 23675. Germany.
- 284072. C.P.I. 23676. Germany.
- 284073. C.P.I. 23678. Germany.
- 284074. C.P.I. 23679. Germany.
- 284075. C.P.I. 23680. Germany.
- 284076. C.P.I. 23744. Greece.
- 284077. C.P.I. 23745. Greece.
- 284078. C.P.I. 23746. Greece.

283957 to 284106—Continued**284030 to 284100—Continued**

284079. C.P.I. 23747. Greece.
 284080. C.P.I. 23748. Greece.
 284081. C.P.I. 23749. Greece.
 284082. C.P.I. 23750. Greece.
 284083. C.P.I. 23751. Greece.
 284084. C.P.I. 23752. Greece.
 284085. C.P.I. 24375. Poland.
 284086. C.P.I. 24376. Poland.
 284087. C..PI. 24378. Poland.
 284088. C.P.I. 24901. Turkey.
 284089. C.P.I. 24902. Turkey.
 284090. C.P.I. 24903. Turkey.
 284091. C.P.I. 24904. Turkey.
 284092. C.P.I. 24907. Iran.
 284093. C.P.I. 24909. Turkey.
 284094. C.P.I. 24911. Turkey.
 284095. C.P.I. 24912. Turkey.
 284096. C.P.I. 26592. Bulgaria.
 284097. C.P.I. 26698. Argentina.
 284098. C.P.I. 26866. Italy.
 284099. C.P.I. 26867. Italy.
 284100. C.P.I. 27152. Italy.

284101 to 284105. VICIA VILLOSA Roth.**Hairy vetch.**

284101. C.P.I. 10388. Bulgaria.
 284102. C.P.I. 16484. Portugal.
 284103. C.P.I. 16487. Portugal.
 284104. C.P.I. 21983. Italy.
 284105. C.P.I. 24192. U.S.S.R.

284106. VIGNA REPENS Baker Fabaceae.

C.P.I. 21518. Central America.

284107 to 284472.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received October 24, 1962.

Countries of original collection other than Australia are indicated.

284107 to 284112. BROMUS WILDENOWII Kunth Poaceae. Rescuegrass.

Received as *B. catharticus*, a synonym.

284107. C.P.I. 9711. Uruguay.
 284108. C.P.I. 25494. Chile.
 284109. C.P.I. 25744. South America.
 284110. C.P.I. 25745. South America.
 284111. C.P.I. 25746. South America.
 284112. C.P.I. 25747. South America.

284107 to 284472—Continued

284113. *CUCUMIS MYRIOCARPUS* Naud. Cucurbitaceae. **Gooseberry gourd.**
No. N-711. Queanbeyan, N.S.W.
- 284114 to 284116. *CYCAS MEDIA* R. Br. Cycadaceae.
284114. Q-636.
284115. Q-637. Serpentine ridge 7 miles south of Marlborough.
284116. Q-638. Serpentine ridge 7 miles south of Marlborough.
284117. *EHRHARTA CALYCINA* J. E. Smith Poaceae. **Perennial veldtgrass.**
C.P.I. 25497. Chile.
284118. *ERYTHRINA VESPERTILIO* Benth. ex Mitchell Fabaceae. **Coral tree.**
W-931.
284119. *LATHYRUS SATIVUS* L. Fabaceae. **Grass peavine.**
C.P.I. 20493. Cyprus.
284120. *MACROZAMIA* sp. Cycadaceae.
Q-637. Serpentine ridge 7 miles south of Marlborough.
- 284121 and 284122. *MEDICAGO SCUTELLATA* (L.) Mill. Fabaceae. **Snail medic.**
284121. C.P.I. 13931. Cyprus.
284122. C.P.I. 14097. Italy.
284123. *MEDICAGO TRIBULOIDES* Desr. **Barrel medic.**
C.P.I. 13914. Cyprus.
284124. *ONOBRYCHIS BIEBERSTEINII* Sirjaev Fabaceae.
C.P.I. 23313. Hungary.
- 284125 to 284129. *ONOBRYCHIS VICIIFOLIA* Scop. **Sainfoin.**
284125. C.P.I. 4312. Received as *O. sativa*, a synonym. Persia.
284126. C.P.I. 21959. Italy.
284127. C.P.I. 23319. 'Magyar'. Hungary.
284128. C.P.I. 23320. 'Leugelorsrag'. Hungary.
284129. C.P.I. 23321. 'Portugalia'. Hungary.
- 284130 and 284131. *ORNITHOPUS COMPRESSUS* L. Fabaceae.
284130. C.P.I. 14441. Portugal.
284131. C.P.I. 16622. Portugal.
- 284132 and 284133. *ORNITHOPUS ISTHMOCARPUS* Coss.
284132. C.P.I. 14440. Portugal.
284133. C.P.I. 22111. Morocco.
284134. *ORNITHOPUS PERPUSILLUS* L.
C.P.I. 21291. Holland.
- 284135 to 284143. *ORNITHOPUS SATIVUS* Brot. **Serradella.**
284135. C.P.I. 13101. Portugal.
284136. C.P.I. 14442. Portugal.
284137. C.P.I. 16006. Kenya.
284138. C.P.I. 16379. S. Africa.
284139. C.P.I. 16380. S. Africa.
284140. C.P.I. 16618. Portugal.

284107 to 284472—Continued**284135 to 284143—Continued**

284141. C.P.I. 16620. Portugal.
 284142. C.P.I. 16621. Portugal.
 284143. C.P.I. 17833. Kenya.
284144. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae.
 C.P.I. 14820. Israel.
- 284145 to 284149. *ORYZOPSIS MILIACEA* (L.) Benth & Hook. ex Aschers. & Schweinf. Smilgrass.
 284145. C.P.I. 7782. Morocco.
 284146. C.P.I. 14824. Israel.
 284147. C.P.I. 14825. Israel.
 284148. C.P.I. 15584. Israel.
 284149. C.P.I. 24590. Spain.
- 284150 and 284151. *PANICUM ANTIDOTALE* Retz. Poaceae. Blue panicgrass.
 284150. C.P.I. 21008. Senegal.
 284151. C.P.I. 23172. India.
284152. *PANICUM COLORATUM* L. Klein grass.
 C.P.I. 16725. S. Africa.
- 284153 and 284154. *PANICUM LAEVIFOLIUM* Hack.
 284153. C.P.I. 16235. Cyprus.
 284154. C.P.I. 21338. Costa Rica.
- 284155 to 284167. *PANICUM MAXIMUM* Jacq. Guineagrass.
 284155. C.P.I. 8390. S. Africa.
 284156. C.P.I. 14374. S. Africa.
 284157. C.P.I. 15895. Tanganyika.
 284158. C.P.I. 15896. Tanganyika.
 284159. C.P.I. 16003. 'Rumurti Strain'. Kenya.
 284160. C.P.I. 16062. Belgian Congo.
 284161. C.P.I. 16148. Sierre Leone.
 284162. C.P.I. 16721. S Africa.
 284163. C.P.I. 16722. S. Africa.
 284164. C.P.I. 16724. S. Africa.
 284165. C.P.I. 16792. S. Africa.
 284166. C.P.I. 16793. S. Africa.
 284167. C.P.I. 21359. Central America.
284168. *PANICUM MILIACEUM* L. Proso millet.
 C.P.I. 13618. 'Panivaragu'. India.
284169. *PAPPOPHORUM MUCRONULATUM* Nees Poaceae. Pappusgrass.
 C.P.I. 22789. Argentina.
284170. *PASPALUM DILATATUM* Poir. Poaceae. Dallisgrass.
 C.P.I. 21362. Central America.
284171. *PASPALUM NICORAE* Parodi
 C.P.I. 21370. Central America.

284107 to 284472—Continued

- 284172 to 284175. *PASPALUM NOTATUM* Fluegge Bahigrass.
 284172. C.P.I. 21339. Costa Rica.
 284173. C.P.I. 21371. Central America.
 284174. C.P.I. 21372. Central America.
 284175. C.P.I. 21373. Central America.
284176. *PASPALUM ROJASII* Hack.
 C.P.I. 20324. Paraguay.
284177. *PENNISETUM PEDICELLATUM* Trin. Poaceae.
 C.P.I. 22619. Nigeria.
284178. *PHALARIS* (hybrid.) Poaceae.
 C.P.I. 7033. *P. arundinacea* × *P. aquatica*. Wales.
284179. *PHALARIS ARUNDINACEA* L. Poaceae. Reed canary grass.
 C.P.I. 6764. France.
- 284180 to 284186. *PHALARIS CANARIENSIS*
 284180. C.P.I. 14690. Morocco.
 284181. C.P.I. 18677. Morocco.
 284182. C.P.I. 18678. Morocco.
 284183. C.P.I. 18679. Morocco.
 284184. C.P.I. 18791. Morocco.
 284185. C.P.I. 19625. Sweden.
 284186. C.P.I. 27142. Italy.
- 284187 to 284191. *PHALARIS COERULESCENS* Desf.
 284187. C.P.I. 9785. Portugal.
 284188. C.P.I. 12587. Portugal.
 284189. C.P.I. 14991. Sicily.
 284190. C.P.I. 23021. Portugal.
 284191. C.P.I. 24457. Morocco.
284192. *PHALARIS TRUNCATA* Guss.
 C.P.I. 19241. Algeria.
- 284193 to 284243. *PHALARIS AQUATICA* L.
 284193. C.P.I. 1305. U.S.A.
 284194. C.P.I. 1306. U.S.A.
 284195. C.P.I. 1350. U.S.A.
 284196. C.P.I. 9817. Portugal.
 284197. C.P.I. 10544. France.
 284198. C.P.I. 10944. Italy.
 284199. C.P.I. 12449. U.S.A.
 284200. C.P.I. 12617. Holland.
 284201. C.P.I. 12745. S. Africa.
 284202. C.P.I. 12800. Portugal.
 284203. C.P.I. 13801. Lebanon.
 284204. C.P.I. 14057. Israel.
 284205. C.P.I. 14071. Turkey.

284107 to 284472—Continued**284193 to 284243—Continued**

284206. C.P.I. 14418. Portugal.
284207. C.P.I. 14419. Portugal.
284208. C.P.I. 14495.
284209. C.P.I. 14498.
284210. C.P.I. 14693.
284211. C.P.I. 14696.
284212. C.P.I. 14697.
284213. C.P.I. 14833.
284214. C.P.I. 14834.
284215. C.P.I. 15020.
284216. C.P.I. 15021.
284217. C.P.I. 15022.
284218. C.P.I. 15110.
284219. C.P.I. 15217.
284220. C.P.I. 15220.
284221. C.P.I. 15310.
284222. C.P.I. 15311.
284223. C.P.I. 15591.
284224. C.P.I. 15593.
284225. C.P.I. 16799.
284226. C.P.I. 19275.
284227. C.P.I. 19280.
284228. C.P.I. 19289.
284229. C.P.I. 19315.
284230. C.P.I. 19331.
284231. C.P.I. 19344.
284232. C.P.I. 19350.
284233. C.P.I. 19351.
284234. C.P.I. 19353.
284235. C.P.I. 19357.
284236. C.P.I. 19358.
284237. C.P.I. 20773.
284238. C.P.I. 24341.
284239. C.P.I. 24730.
284240. C.P.I. 25715.
284241. C.P.I. 25778.
284242. C.P.I. 25780.
284243. C.P.I. 26298.
284244 to 284247. *PHLEUM PRATENSIS* L. Poaceae.
284244. C.P.I. 21095. 'Vetrovska'. Czechoslovakia.
284245. C.P.I. 22239. Poland.
284246. C.P.I. 24234. Yugoslavia.

Timothy.

284107 to 284472—Continued**284244 to 284247—Continued**

284247. C.P.I. 24235. Yugoslavia.
- 284248 and 284249. *POA AMPLA* Merrill Poaceae. **Big bluegrass.**
284248. C.P.I. 12279. U.S.A.
284249. C.P.I. 23969. Sweden.
284250. *POA PALUSTRIS* L. **Fowl meadowgrass.**
C.P.I. 22578. Germany.
284251. *POA ALPINA* L.
C.P.I. 24448. Czechoslovakia.
- 284252 and 284253. *POA COMPRESSA* L. **Canada bluegrass.**
284252. C.P.I. 22240. Poland.
284253. C.P.I. 22580. Germany.
284254. *POA IRIDIFOLIA* Haum.
C.P.I. 9724. Argentina via Hungary.
284255. *POA LIGULARIS* Nees ex Steud.
C.P.I. 22078. Argentina.
284256. *TERAMNUS UNCINATUS* (L.) Swartz Fabaceae.
C.P.I. 22620. Nigeria.
284257. *TRIFOLIUM CANESCENS* Willd. Fabaceae.
C.P.I. 23822. Turkey. Received as *T. hohenackeri*, a synonym.
284258. *TRIFOLIUM LAPPACEUM* L.
C.P.I. 14766. Israel.
- 284259 to 284267. *TRIFOLIUM FRAGIFERUM* L. **Strawberry clover.**
284259. C.P.I. 19419. Algeria.
284260. C.P.I. 19420. Morocco.
284261. C.P.I. 19422. Morocco.
284262. C.P.I. 19423. Morocco.
284263. C.P.I. 19424. Morocco.
284264. C.P.I. 19427. Morocco.
284265. C.P.I. 19428. Morocco.
284266. C.P.I. 19429. Morocco.
284267. C.P.I. 22415. France.
284268. *TRIFOLIUM GLOMERATUM* L. **Cluster clover.**
C.P.I. 25781. S. America.
- 284269 to 284272. *TRIFOLIUM HIRTUM* All. **Rose clover.**
284269. C.P.I. 13949. Cyprus.
284270. C.P.I. 19949. Bulgaria.
284271. C.P.I. 22112. Morocco.
284272. C.P.I. 24122. U.S.S.R.
- 284273 to 284280. *TRIFOLIUM HYBRIDUM* L. **Alsike clover.**
284273. C.P.I. 22125. China.
284274. C.P.I. 23824. Turkey.
284275. C.P.I. 23825. Turkey.

284107 to 284472—Continued**284273 to 284280—Continued**

284276. C.P.I. 23826. Turkey.
 284277. C.P.I. 23827. Turkey.
 284278. C.P.I. 24851. Iran.
 284279. C.P.I. 24852. Turkey.
 284280. C.P.I. 24853. Turkey.

284281 to 284284. TRIFOLIUM INCARNATUM L.**Crimson clover.**

284281. C.P.I. 15812. Morocco.
 284282. C.P.I. 19717. Hungary.
 284283. C.P.I. 23524. England.
 284284. C.P.I. 24854. Turkey.

284285. TRIFOLIUM PALLIDUM Waldst. & Kit.

C.P.I. 19430. Algeria.

284286. TRIFOLIUM PATENS Schreb.

C.P.I. 2274. Denmark.

284287 to 284291. TRIFOLIUM RESUPINATUM L.**Persian clover.**

284287. C.P.I. 21966. Italy. **284290.** C.P.I. 21970. Italy.
 284288. C.P.I. 21968. Italy. **284291.** C.P.I. 21972. Italy.
 284289. C.P.I. 21969. Italy.

284292. TRIFOLIUM SPADICEUM L.

C.P.I. 23837. Turkey.

284293 and 284294. TRIFOLIUM STRIATUM L.

284293. C.P.I. 13594. Portugal.
 284294. C.P.I. 22114. Morocco.

284295. TRIFOLIUM SUPINUM Savi

C.P.I. 14941. Israel.

284296. TRIFOLIUM CANESCENS Willd.

C.P.I. 22336. U.S.S.R.

284297. TRIFOLIUM TUMENS Stev. ex Bieb

C.P.I. 22746. Denmark.

284298. TRIFOLIUM USAMBARENSE Taub.

C.P.I. 22156. China.

284299 and 284300. TRIFOLIUM PARVIFLORUM Ehrh.

284299. C.P.I. 23328. Hungary.
 284300. C.P.I. 27301. Sweden.

284301 to 284306. VICIA ANGUSTIFOLIA L. Leguminosae. Narrowleaf vetch.

284301. C.P.I. 10402. Bulgaria.
 284302. C.P.I. 10706. Portugal.
 284303. C.P.I. 10707. Portugal.
 284304. C.P.I. 20666. U.S.S.R.
 284305. C.P.I. 24888. Afghanistan.
 284306. C.P.I. 25401. Japan.

284107 to 284472—Continued**284307 to 284309.** VICIA ARTICULATA Hornem.

284307. C.P.I. 10396. Bulgaria.

284308. C.P.I. 11005. Italy.

284309. C.P.I. 23619. England.

284310 to 284312. VICIA CRACCA L.**Bird vetch.**

284310. C.P.I. 9517. China.

284311. C.P.I. 20510. Cyprus.

284312. C.P.I. 20546. Cyprus.

284313 to 284315. VICIA DASYCARPA Ten.**Woollypod vetch.**

284313. C.P.I. 15095. Turkey.

284314. C.P.I. 15508. Algeria.

284315. C.P.I. 20497. Cyprus.

284316 to 284336. VICIA ERVILIA (L.) Willd.**Bittervetch.**

284316. C.P.I. 9995. Cyprus.

284317. C.P.I. 10118. Holland.

284318. C.P.I. 10385. Bulgaria.

284319. C.P.I. 13427. Greece.

284320. C.P.I. 13867. 'Rovi'. Greece.

284321. C.P.I. 15272. Spain.

284322. C.P.I. 16237. S. Africa.

284323. C.P.I. 16633. Portugal.

284324. C.P.I. 18777. Belgium.

284325. C.P.I. 20499. Cyprus.

284326. C.P.I. 20500. Cyprus.

284327. C.P.I. 20501. Cyprus.

284328. C.P.I. 20502. Cyprus.

284329. C.P.I. 20503. Cyprus.

284330. C.P.I. 20792. Greece.

284331. C.P.I. 24889. Afghanistan via Sweden.

284332. C.P.I. 24890. Afghanistan via Sweden.

284333. C.P.I. 24891. Afghanistan via Sweden.

284334. C.P.I. 24892. Afghanistan via Sweden.

284335. C.P.I. 24893. Afghanistan.

284336. C.P.I. 25495. Iran via Sweden.

284337 to 284349. VICIA FABA L.**Broadbean.**

284337. C.P.I. 10386. Bulgaria.

284338. C.P.I. 13825. Lebanon.

284339. C.P.I. 15539. Sudan.

284340. C.P.I. 15753. Ethiopia.

284341. C.P.I. 15863. Ethiopia.

284342. C.P.I. 15864. Ethiopia.

284343. C.P.I. 15865. Ethiopia.

284107 to 284472—Continued**284337 to 284349—Continued**

- 284344. C.P.I. 16429. Eritrea.
- 284345. C.P.I. 22612. 'Piacentino'. Italy.
- 284346. C.P.I. 22613. 'Pugliese'. Italy.
- 284347. C.P.I. 22614. 'Aresso'. Italy.
- 284348. C.P.I. 22615. 'Piacentino'. Italy.
- 284349. C.P.I. 22616. 'Siciliana'. Italy.

284350 to 284359. VICIA LUTEA L.

- 284350. C.P.I. 9009. Portugal.
- 284351. C.P.I. 10491. Portugal.
- 284352. C.P.I. 14116. Italy.
- 284353. C.P.I. 14985. 'Cape Vetch'. Israel.
- 284354. C.P.I. 16636. Portugal.
- 284355. C.P.I. 16637. Portugal.
- 284356. C.P.I. 16638. Portugal.
- 284357. C.P.I. 16639. Portugal.
- 284358. C.P.I. 16640. Portugal.
- 284359. C.P.I. 20665. U.S.S.R.

284360 to 284462. VICIA SATIVA L.**Common vetch.**

- 284360. C.P.I. 9955. Cyprus.
- 284361. C.P.I. 10005. Cyprus.
- 284362. C.P.I. 10372. Bulgaria.
- 284363. C.P.I. 10378. Bulgaria.
- 284364. C.P.I. 10393. Bulgaria.
- 284365. C.P.I. 10394. Bulgaria.
- 284366. C.P.I. 10400. Australia via Bulgaria.
- 284367. C.P.I. 10402. Australia via Bulgaria.
- 284368. C.P.I. 10403. Australia via Bulgaria.
- 284369. C.P.I. 10408. Russia via Bulgaria.
- 284370. C.P.I. 10410. Bulgaria.
- 284371. C.P.I. 10415. Bulgaria.
- 284372. C.P.I. 13828. Lebanon.
- 284373. C.P.I. 13984. Morocco.
- 284374. C.P.I. 15496. Algeria.
- 284375. C.P.I. 15499. 'Kabylie 128'. Algeria.
- 284376. C.P.I. 15500. 'Kabylie 130'. Algeria.
- 284377. C.P.I. 15503. 'Languedoc 156'. Algeria.
- 284378. C.P.I. 15504. 'Languedoc 225'. Algeria.
- 284379. C.P.I. 15822. Morocco.
- 284380. C.P.I. 15823. Morocco.
- 284381. C.P.I. 15825. Morocco.
- 284382. C.P.I. 16239. Ethiopia.

284107 to 284472—Continued**284360 to 284462—Continued**

- 284383. C.P.I. 16470. Portugal.
- 284384. C.P.I. 16472. Portugal.
- 284385. C.P.I. 16473. Portugal.
- 284386. C.P.I. 16478. Portugal.
- 284387. C.P.I. 16480. Portugal.
- 284388. C.P.I. 16644. Portugal.
- 284389. C.P.I. 16647. Portugal.
- 284390. C.P.I. 20511. Cyprus.
- 284391. C.P.I. 20512. Cyprus.
- 284392. C.P.I. 20513. Cyprus.
- 284393. C.P.I. 20514. Cyprus.
- 284394. C.P.I. 20515. Cyprus.
- 284395. C.P.I. 20516. Cyprus.
- 284396. C.P.I. 20517. Cyprus.
- 284397. C.P.I. 20518. Cyprus.
- 284398. C.P.I. 20519. Cyprus.
- 284399. C.P.I. 20520. Cyprus.
- 284400. C.P.I. 20521. Cyprus.
- 284401. C.P.I. 20524. Cyprus.
- 284402. C.P.I. 20527. Cyprus.
- 284403. C.P.I. 20528. Cyprus.
- 284404. C.P.I. 20529. Cyprus.
- 284405. C.P.I. 20530. Cyprus.
- 284406. C.P.I. 20531. Cyprus.
- 284407. C.P.I. 20532. Cyprus.
- 284408. C.P.I. 20534. Cyprus.
- 284409. C.P.I. 20535. Cyprus.
- 284410. C.P.I. 20536. Cyprus.
- 284411. C.P.I. 20538. Cyprus.
- 284412. C.P.I. 20539. Cyprus.
- 284413. C.P.I. 20541. Cyprus.
- 284414. C.P.I. 20542. Cyprus.
- 284415. C.P.I. 20543. Cyprus.
- 284416. C.P.I. 20544. Cyprus.
- 284417. C.P.I. 21975. Italy.
- 284418. C.P.I. 25933. Yugoslavia.
- 284419. C.P.I. 25934. Yugoslavia.
- 284420. C.P.I. 26548. Bulgaria.
- 284421. C.P.I. 26550. Bulgaria.
- 284422. C.P.I. 26551. Bulgaria.
- 284423. C.P.I. 26552. Bulgaria.

284107 to 284472—Continued**284360 to 284462—Continued**

284424. C.P.I. 26553. Bulgaria.
284425. C.P.I. 26554. Bulgaria.
284426. C.P.I. 26555. Bulgaria.
284427. C.P.I. 26556. Bulgaria.
284428. C.P.I. 26557. Bulgaria.
284429. C.P.I. 26558. Bulgaria.
284430. C.P.I. 26559. Bulgaria.
284431. C.P.I. 26560. Bulgaria.
284432. C.P.I. 26561. Bulgaria.
284433. C.P.I. 26562. Bulgaria.
284434. C.P.I. 26563. Bulgaria.
284435. C.P.I. 26564. Bulgaria.
284436. C.P.I. 26565. Bulgaria.
284437. C.P.I. 26566. Bulgaria.
284438. C.P.I. 26567. Bulgaria.
284439. C.P.I. 26568. Bulgaria.
284440. C.P.I. 26569. Bulgaria.
284441. C.P.I. 26570. Bulgaria.
284442. C.P.I. 26571. Bulgaria.
284443. C.P.I. 26572. Bulgaria.
284444. C.P.I. 26573. Bulgaria.
284445. C.P.I. 26574. Bulgaria.
284446. C.P.I. 26575. Bulgaria.
284447. C.P.I. 26576. Bulgaria.
284448. C.P.I. 26577. Bulgaria.
284449. C.P.I. 26578. Bulgaria.
284450. C.P.I. 26579. Bulgaria.
284451. C.P.I. 26580. Bulgaria.
284452. C.P.I. 26581. Bulgaria.
284453. C.P.I. 26582. Bulgaria.
284454. C.P.I. 26583. Bulgaria.
284455. C.P.I. 26584. Bulgaria.
284456. C.P.I. 26585. Bulgaria.
284457. C.P.I. 26586. Bulgaria.
284458. C.P.I. 26587. Bulgaria.
284459. C.P.I. 26588. Bulgaria.
284460. C.P.I. 26589. Bulgaria.
284461. C.P.I. 26590. Bulgaria.
284462. C.P.I. 26591. Bulgaria.
284463 to 284467. *VICIA VILLOSA* Roth Hairy vetch.
284463. C.P.I. 22929. Czechoslovakia.
284464. C.P.I. 22930. Czechoslovakia.

284107 to 284472—Continued**284463 to 284467—Continued**

284465. C.P.I. 23332. Hungary.
 284466. C.P.I. 25905. S. America.
 284467. C.P.I. 26699. Argentina.

284468 to 284472. VICIA SATIVA L.**Common vetch.**

284468. C.P.I. 22870. Czechoslovakia.
 284469. C.P.I. 22871. Czechoslovakia.
 284470. C.P.I. 22872. Czechoslovakia.
 284471. C.P.I. 23333. Hungary.
 284472. C.P.I. 24454. Czechoslovakia.

284473 to 284477.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received October 25, 1962.

284473. CROTALARIA JUNCEA L. Fabaceae. **Sunn-hemp.**
 B/61/143. Rietondale.
 284474. DIGITARIA SMUTSII Stent Poaceae.
 B/56/8. Irene.
 284475. EHRHARTA CALYCINA J. E. Smith Poaceae. **Perennial veldtgrass.**
 B/57/128. Clanwilliam.
 284476. GLYCINE JAVANICA L. Fabaceae.
 B/62/1. Dohne.
 284477. SETARIA SPHACELATA (Schum.) Stapf & Hubbard Poaceae.
 B/59/53. Gomati River, Kalahari.

284478 and 284479. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Rhodesia. Seeds presented by the Seed Services, Causeway. Received October 25, 1962.

284478. 'Mani Pintar'.
 284479. 'Natal Common'.

284480 to 284492.

From Ireland. Plants and cuttings presented by the National Botanical Garden, Glasnevin, Dublin. Received October 29, 1962.

284480. ABROMEITIELLA CHLORANTHA (Hauman) Mez Bromeliaceae.
 284481. CALATHEA ZEBRINA Lindl. Marantaceae.
 'Binotti'.
 284482. COSTUS SPECIOSUS (Koen.) J. E. Smith Zingiberaceae.
 284483. EUPHORBIA GRIFFITHII Hook. f. Euphorbiaceae.
 284484. IMPATIENS PETERSIANA Gilg. ex Grignan Impatiéntaceae.
 284485. JUANULLOA AURANTIACA Otto & Dietr. Solanaceae.
 284486. NERTEA BALFOURIANA Cockayne ex Allan Rubiaceae.
 284487. PRUNUS SERRULTA Lindl. Amygdalaceae.
 'Tibetica'.
 284488. RONDELETIA ODORATA Jacq. Rubiaceae.
 'Major'.

284480 to 284492—Continued

284489. *SAXIFRAGA CONIFERA* Coss. & Dur. Saxifragaceae.

284490. *SEMPERVIVUM GIUSEPPII* Wale. Crassulaceae.

284491. *SEMPERVIVUM HEUFFELII* Schott

284492. *TILIA DASYSTYLA* Stev. Tiliaceae.

284493. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill. Solanaceae. Currant tomato.

From Ecuador. Seeds collected and presented by E. P. Imle, collaborator, Crops Research Division, Plant Industry Station, Beltsville, Md. Received October 31, 1962.

Col. No. 122. New clearing near Pichilingue. Small tomato in wild prized by natives; flowers yellow; heavy fruiting, few ripe in late September.

284494. NICOTIANA THRSIFLORA Goodspeed Solanaceae.

From Peru. Seeds presented by the Agency for International Development, Lima. Received October 31, 1962.

From several plants at Cajamarca, latitude 7° S., longitude 78° W. Elevation 9,000 feet.

284495. PRUNUS sp. Amygdalaceae.

From India. Seeds presented by the Government Horticultural Research Institute, Saharanpur. Received September 13, 1962. Numbered October 31, 1962.

'Sharbati' peach. Subtropical variety said to require only 30–40 hours chilling; tree erect, spreading, vigorous, heavy bearer; fruits ripen early, greenish yellow with rosy patches, sweet, well flavored, juicy, clingstone, weight about 70 grams.

284496. DIGITARIA ADSCENDENS (HBK) Henrard Poaceae.

From the Belgian Congo. Seeds presented by the University of Florida, Gainesville, Florida. Numbered October 31, 1962.

No. 187. Yangambi (Gotta Hills).

284497. PASPALUM SETACEUM Michx. Poaceae.

From Bermuda. Seeds presented by the University of Florida, Gainesville, Florida. Numbered October 31, 1962.

P-149.

284498 to 284500. PASPALUM VAGINATUM Swartz Poaceae.

From Chile. Seeds presented by the University of Florida, Gainesville, Florida. Numbered October 31, 1962.

284498. P-248.

284499. P-249.

284500. P-250.

284501 to 284506.

From Colombia. Seeds presented by the University of Florida, Gainesville, Florida. Numbered October 31, 1962.

284501. *PASPALUM PLICATULUM* Michx. Poaceae. **Brownseed paspalum.**
P-106.

284502. *PASPALUM VIRGATUM* L.
P-144.

284503. *PASPALUM PANICULATUM* L.
P234.

284501 to 284506—Continued

284504. *PASPALUM TENELLUM* Willd.

P-236.

284505. *PASPALUM* sp.

P-237.

284506. *PASPALUM* sp.

P-240.

284507 to 284517.

From Puerto Rico. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

284507. *PASPULUM CONJUGATUM* Berg. Poaceae.

P-50.

284508. *PASPALUM LAXUM* Lam.

P-76.

284509. *PASPALUM MALACOPHYLLUM* Trin.

P-79.

284510. *PASPALUM DENSUM* Poir.

P-215.

284511. *PASPALUM* sp.

P-217.

284512. *PASPALUM* sp.

P-218.

284513. *PASPALUM* sp.

P-220.

284514. *PASPALUM* sp.

P223.

284515. *PASPALUM PANICULATUM* L.

P-226.

284516. *PASPALUM PANICULATUM* L.

P-230.

284517. *PASPALUM PANICULATUM* L.

P-233.

284518. DIGITARIA VELUTINA (DC.) Hitchc. Poaceae.

From Senegal. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

No. 195. Dakar.

284519 to 284521.

From Trinidad. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

284519. *DIGITARIA EXILIS* (Kippist) Stapf Poaceae.

Fundi.

No. 122. I.C.T.A.

284520. *PASPALUM PANICULATUM* L. Poaceae.

P-101.

284521. *PASPALUM VIRGATUM* L.

P-177.

284522 and 284523.

From the United States. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

284522. *DIGITARIA* cf. *ERIANTHA* Steud. Poaceae.

No. 75. Tifton, Georgia.

284523. *PASPALUM ALMUM* Chase Poaceae.

P-39. Beaumont, Texas.

284524 and 284525.

From unknown source. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

284524. *PASPALUM PANICULATUM* L. Poaceae.

P-219.

284525. *PASPALUM* sp.

P-221.

284526 to 284530. ALLIUM SATIVUM L. Liliaceae. Garlic.

From Brazil. Bulbs presented by the Instituto Agronomico de Estado de Sao Paulo, Campinas. Received November 1, 1962.

284526. 'Cajano Mostarda Var. 2121'.

284527. 'Cajuru' Var. 2315'.

284528. 'Cateto Roxo Var. 99'.

284529. 'Catetinho Parana Var. 1274'.

284530. 'Lavinia Var. 1632'.

284531 to 284541. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Italy. Seeds presented by Dr. M. W. Michahelles, Florence. Received November 1, 1962.

284531. 'Acciaio 141-2B1'.

284537. 'Frassineto 405'.

284532. 'Autonomia B'.

284538. 'Freccia'.

284533. 'Campodoro'.

284539. 'Impeto'.

284534. 'Chianti'.

284540. 'Rondine'.

284535. 'Combine'.

284541. 'Torrenudva'.

284536. 'Firenze'.

284542 to 284544.

From Rhodesia. Seeds presented by the Grasslands Research Station, Marandellas. Received November 1, 1962.

284542. *DIGITARIA SMUTSII* Stent Poaceae.

284543. *DIGITARIA SETIVALVA* Stent

Makarikari, Maun.

284544. *DIGITARIA MILANJIANA* (Rendle) Stapf

Shamva.

284545 to 284553. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Belgium. Seeds presented by the Office National des Debouches Agricoles et Horticoles, Bruxelles. Received November 1, 1962.

284545. 'Bellevue'.

284547. 'Fylby'.

284546. 'Directeur Yournee'.

284548. 'Hesbignon'.

284545 to 284553—Continued

- | | |
|--------------------|------------------------------|
| 284549. 'Jufy I'. | 284552. 'Phoebus'. |
| 284550. 'Jufy II'. | 284553. 'Professor Morehal'. |
| 284551. 'Leda'. | |

284554 to 284587. VICIA SATIVA L. Fabaceae. Common vetch.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received November 1, 1962.

Originally from Turkey via Germany.

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|--------------------------|-----------------------|
| 284554. C.P.I. 23640. | |
| 284555. C.P.I. 23641. | |
| 284556. C.P.I. 23642. | |
| Originally from Germany. | |
| 284557. C.P.I. 23643. | 284573. C.P.I. 23659. |
| 284558. C.P.I. 23644. | 284574. C.P.I. 23660. |
| 284559. C.P.I. 23645. | 284575. C.P.I. 23661. |
| 284560. C.P.I. 23646. | 284576. C.P.I. 23662. |
| 284561. C.P.I. 23647. | 284577. C.P.I. 23663. |
| 284562. C.P.I. 23648. | 284578. C.P.I. 23664. |
| 284563. C.P.I. 23649. | 284579. C.P.I. 23665. |
| 284564. C.P.I. 23650. | 284580. C.P.I. 23666. |
| 284565. C.P.I. 23651. | 284581. C.P.I. 23667. |
| 284566. C.P.I. 23652. | 284582. C.P.I. 23668. |
| 284567. C.P.I. 23653. | 284583. C.P.I. 23669. |
| 284568. C.P.I. 23654. | 284584. C.P.I. 23670. |
| 284569. C.P.I. 23655. | 284585. C.P.I. 23671. |
| 284570. C.P.I. 23656. | 284586. C.P.I. 23672. |
| 284571. C.P.I. 23657. | 284587. C.P.I. 23673. |
| 284572. C.P.I. 23658. | |

284588 to 284592.

From the United States. Seeds collected by the United States Forest Service, Ephraim, Utah. Received November 2, 1962.

284588. *PENSTEMON CYANANTHUS* Hook. Scrophulariaceae.
Dahl's Dugway, Ephraim Canyon. Elevation 7,200 feet.
284589. *PENSTEMON EATONII* A. Gray
Dahl's Dugway, Ephraim Canyon. Elevation 7,200 feet.
284590. *PENSTEMON PALMERI* A. Gray **Palmer penstemon.**
Ephraim Canyon. Elevation 7,000 feet.
284591. *PENSTEMON PLATYPHYLLUS* Rydb.
Farmington Canyon. Elevation 6,500 feet.
284592. *PERAPHYLLUM RAMOSISSIMUM* Nutt. ex Torr. & A. Gray Malaceae.
East of Nepli. Elevation 6,000 feet.

284593. AGAVE LECHEGUILLA Torr. Amaryllidaceae.

From the United States. Seeds collected and presented by D. S. Correll, Texas Research Foundation, Renner, Tex. Received Nov. 6, 1962.

Collected in Terrell County.

284594. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. Cauliflower.

From Sweden. Seeds presented by the Horticultural Research Station, Alnarp. Received Nov. 7, 1962.

'Stor Dansk'.

284595 to 284616.

From Great Britain. Plants purchased from Hillier and Sons, Winchester, Hants, England. Received November 7, 1962.

284595. ABIES GEORGEI Orr Pinaceae.

284596. ABIES PINSAPO Boiss.

'Aurea'.

284597. ABIES × **VASCONCELLOSIANA** Franco

284598. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae. Lawson falsecypress.

'Knowlfieldensis'.

284599. CHAMAECYPARIS NOOTKATENSIS (Lambert) Spach. Nootka falsecypress.

'Argenteo Variegata'.

284600 and 284601. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endl. Hinoki falsecypress.

284600. 'Filiformis'.

284601. 'Mariesii'.

284602. CHAMAECYPARIS OBTUSA f. **ALBO-SPICA** (Beissn.) Beissn.

284603. CHAMAECYPARIS OBTUSA f. **TETRAGONA** Rehder

'Intermedia'.

284604. CRYPTOMERIA JAPONICA f. **SPIRALIS** (Sieb.) Rehder Pinaceae.

'Elongatus'.

284605. CUPRESSUS MACROCARPA Hartw. Pinaceae.

'Gold Crest'.

284606. CUPRESSUS TORULOSA Don Bhutan cypress.

'Corneyana'.

284607. JUNIPERUS RECURVA Buch.-Ham. ex D. Don Pinaceae. Himalayan juniper.

284608. JUNIPERUS WALLICHIANA Hook. f. ex Parl.

284609. PICEA ABIES (L.) Karst. Pinaceae. Norway spruce.

'Reflexa'.

284610. PICEA BICOLOR var. **REFLEXA** Shirasawa & Koyama

284611. PINUS GERARDIANA Wall. ex Lamb. Pinaceae.

284612 and 284613. PINUS SYLVESTRIS L. Scotch pine.

284612. 'Beauvronensis'.

284613. 'Compressa'.

284595 to 284616—Continued

284614 and 284615. PSEUDOTSUGA MENZIESII (Mirb.) Franco Pinaceae.
Douglas-fir.

284614. 'Glauca Fletcheri'.

284615. 'Nana'.

284616. SEQUOIA SEMPERVIRENS (Lamb.) Endl. Pinaceae.
'Prostrata'.

284617 to 284620. SACCHARUM (hybrids). Poaceae. **Sugarcane.**

From British West Indies. Cuttings presented by the Barbados Sugar Cane Variety Test Station, Bridgetown, Barbados. Received November 8, 1962.

284617. 'B-5736'.

284619. 'B-54163'.

284618. 'B-45151'.

284620. 'B-57150'.

284621. TRIFOLIUM MEDIUM Huds. Fabaceae. **Zigzag clover.**

From New Zealand. Seeds presented by the Department of Science and Industrial Research, Palmerston North. Received November 8, 1962.

No. Z 108. Zig-zag clover.

284622 to 284653. GOSSYPIUM (hybrids). Malvaceae.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received November 8, 1962.

284622. CB-SP 201.

284638. CB-SP 256.

284623. CB-SP 202.

284639. CB-SP 257.

284624. CB-SP 203.

284640. CB-SP 258.

284625. CB-SP 223.

284641. CB-SP 259.

284626. CB-SP 244.

284642. CB-SP 260.

284627. CB-SP 245.

284643. CB-SP 262.

284628. CB-SP 246.

284644. CB-SP 263.

284629. CB-SP 247.

284645. CB-SP 264.

284630. CB-SP 248.

284646. CB-SP 267.

284631. CB-SP 249-1.

284647. CB-SP 271.

284632. CB-SP 250.

284648. CB-SP 272.

284633. CB-SP 250.

284649. CB-SP 278-1.

284634. CB-SP 252.

284650. CB-SP 283.

284635. CB-SP 253.

284651. CB-SP 293.

284636. CB-SP 254-1.

284652. CB-SP 295.

284637. CB-SP 255.

284653. CB-SP 297-1.

284654 to 284670. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Yugoslavia. Seeds presented by the Faculty of Technology, University of Novi Sad, Novi Sad. Received November 8, 1962.

284654. No. 1.

284660. No. 7.

284655. No. 2.

284661. No. 8.

284656. No. 3.

284662. No. 9.

284657. No. 4.

284663. No. 10.

284658. No. 5.

284664. No. 11.

284659. No. 6.

284665. No. 12.

284654 to 284670—Continued

- | | |
|-----------------|-----------------|
| 284666. No. 13. | 284669. No. 16. |
| 284667. No. 14. | 284670. No. 17. |
| 284668. No. 15. | |

284671. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From the Republic of South Africa. Seeds presented by the Tongaat Sugar Company Limited, Maidstone, Natal. Received November 8, 1962.

From species in wild, Tongaat area.

284672 to 284677.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received November 8, 1962.

284672. *BROMUS SYRIACUS* Boiss. & Blanche Poaceae.
No. 52–52. Western Galilee.

284673. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
No. 53–52. Upper Galilee.

284674. *LOTUS PALUSTRIS* Willd. Fabaceae.

No. 28–52. Soil heavy alluvium, Wadi Rubin.

284675. *TRIGONELLA CAELESYRIACA* Boiss. Fabaceae.

No. 46–52. Soil heavy alluvium, Ramat Hasharon. Annual rainfall 600 mm.

284676. *TRIGONELLA STELLATA* Forsk

No. 51–52. Roadside 5 km. south of Tel Yeruham. Soil loess; *Artemisia herba-alba* community. Annual rainfall 90 mm.; a potential arid area forage crop.

284677. *VICIA f. VILLOSA* Roth Fabaceae.

No. 55–52. Swampy area, Wadi Musrara. Soil heavy alluvium; *Glycyrrhiza glabra* community.

284678 to 284696.

From Uruguay. Seeds presented by the Facultad de Agronomia, Laboratorio de Botanica, Montevideo, through the United States Embassy, Montevideo. Received November 8, 1962.

- 284678 to 284680. *DANTHONIA CIRRHATA* Hack. & Arech. Poaceae.
Short, perennial winter grass. Not very productive.

284678. No. 3057. Villa Serrama, Dept. Lavalleja.

284679. No. 3058. Balneario Kiyu, Dept. San Jose.

284680. No. 3059. Balneario Kiyu, Dept. San Jose.

- 284681 to 284683. *DANTHONIA MONTEVIDENSIS* Hack & Arech.

Short perennial winter grass. Not very productive.

284681. No. 79. Arazati, Dept. San Jose.

284682. No. 90. Balneario Fortin de Sta. Rosa, Dept. Canelones.

284683. No. 3050. Parque Lecocq, Dept. Montevideo.

284684. *DANTHONIA RHIZOMATA* Swallen

No. 3056. Villa Serrana, Dept. Lavalleja. Short perennial winter grass. Not very productive.

284685. *DEYEUXIA ARMATA* (Doell) Parodi Poaceae.

No. 1002. Parque Lecocq, Dept. Montevideo. Perennial winter grass; palatable but not productive.

284678 to 284696—Continued

284686 to 284688. *DEYEUXIA SPLENDENS* Brongn.

Perennial winter grass; palatable but not productive.

284686. No. 3096. Dept. Rio Negro.

284687. No. 3214. Dept. Rio Negro.

284688. No. 3273. Estancia Rincon de Francia, Dept. Rio Negro.

284689. *SETARIA ARGENTINA* Herrm. Poaceae.

No. 139. Specific source unknown. Perennial summer grass to 1.5 meters high.

284690 and 284691. *SETARIA CAESPITOSA* Hack. & Arech.

Palatable and productive perennial summer grass of medium height frequently found in virgin fields.

284690. No. 1100. Camino de Reboledo a Colonia Sanchez, four km. from Florida City, Dept. of Florida.

284691. No. 1376. Balneario Kiyu, Dept. San Jose.

284692. *SETARIA FIEBRIGII* Herrm.

No. 1199. Frequent in virgin fields, Arroyo Chapicuy, Dept. Paysandu. Palatable and productive perennial summer grass of medium height.

284693 to 284696. *SETARIA GLOBULIFERA* (Steud.) Griseb.

Palatable and moderately productive, but scarce, perennial summer grass growing to 1.8 meters high in moist fields.

284693. No. 51. Specific source unknown.

284694. No. 1575. Km. 57.7, Ruta 24, Dept. Rio Negro.

284695. No. 1597. Km. 396. Ruta 3, Dept. Paysandu.

284696. No. 3833. R. I. U. S. A., San Gregorio, Dept. Artigas.

284697 to 284703.

From Sweden. Seeds presented by W. Weibull, Landskrona. Received Nov. 9, 1962.

284697 and 284698. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**

284697. No. 5706. 'Stor Dansk', Weibull's original.

284698. No. 5829. 'Urania', Weibull's original.

284699. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**
No. 912. 'Favor II'.

284700 and 284701. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

284700. No. 710. 'London Torg Kampe'.

284701. No. 5961. 'Regulus Imperial'.

284702. *LACTUCA SATIVA* L. Cichoriaceae. **Garden lettuce.**
Sud. 'Urania', Weibull's original.

284703. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**
No. 746-60. 'Bakon', Weibull's original. "White bean". Seeds tan colored.

284704 to 284729.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received November 9, 1962.

Collected in the wild.

284704 to 284729—Continued**284704.** *LUPINUS ADSURGENS* Drew Fabaceae.

Col. No. 19772. Valley slope, Hearst, Mendocino County, Calif. Elevation 1,700 feet. Biennial or short-lived perennial herb to 20 inches high; stems leafy.

284705. *LUPINUS ALBICAULIS* Dougl. ex Hook.

Col. No. 19798. Roadside Yosemite National Park, one mile south of Chinquapin, Madera, Calif. Elevation 6,200 feet. Perennial to 30 inches high, erect, herbaceous.

284706. *LUPINUS ALBICAULIS* var. *SHASTENSIS* (Heller) C. P. Smith

Col. No. 19790. Roadside, 4 miles northwest of Ahwahnee, road to Mariposa, Calif. Perennial herb to 40 inches high, rank, tender, with several branches; spikes long; flowers purple.

284707 and 284708. *LUPINUS ALBIFRONS* Benth.

284707. Col. No. 19755. Roadside, Hwy. 49, 10 miles south of Auburn, Placer County, Calif. Spreading perennial bush to 48 inches high; leaves silvery, canescent; flowers purple.

284708. Col. No. 19777. Route 32, 16 miles north of Forest Ranch, Butte County, Calif. Elevation 3,500 feet. Leafy, spreading perennial bush to 24 inches high; crown gray, canescent; spikes upright, to 8 inches long.

284709 to 284711. *LUPINUS ANDERSONII* S Wats.

284709. Col. No. 19758. Shady roadbank near Auburn, Placer County, Calif. Elevation 1,500 feet. Perennial herb to 20 inches high; stems leafy.

284710. Col. No. 19759. Highway 49, 3 miles south of Grass Valley, Calif. Elevation 1,750 feet. Perennial herb to 24 inches high; stems several, from root crown; flowers whitish.

284711. Col. No. 19781. Pine-oak forest along Hwy. 32, Forest Ranch, Butte County, Calif. Perennial herb; flowers white. Entire plants eaten by horses.

284712. *LUPINUS ARBUSTUS* Dougl.

Col. No. 19780. Twenty-two miles south of junction of Hwy. 32 and 89, Tehama County, Calif. Elevation 3,500 feet. Perennial to 30 inches high; taproot strong; flowers lavender.

284713. *LUPINUS BICOLOR* Lindl.

Col. No. 19748. Meadow, south end of Cuyamaca Lake, San Diego County, Calif. Plant to 12 inches high; flowers purple. Abundant winter-spring annual.

284714. *LUPINUS CAUDATUS* Kell.

Col. No. 19800. Roadside in dry sand and volcanic ash, 12 miles north of Tom's Place, Mono County, Calif. Bush perennial to 16 inches high; stems many, from base; flowers white.

284715 to 284718. *LUPINUS CONCINNUS* Agardh

284715. Col. No. 19683. Sandy silt valley plain 13 miles east of Chowchilla, road to Raymond, Calif. Abundant, early, spring annual; flowers purple.

284716. Col. No. 19692. Roadside 8 miles northwest of Proville, road to Chico, Calif. Abundant winter-spring annual; flowers small, light purple.

284717. Col. No. 19743. Colonial in sandy loam fallow field 7 miles southeast of Temecula, Riverside County, Calif. Elevation 1,000 feet. Spring annual to 12 inches high; flowers terminal purple. Abundant.

284704 to 284729—Continued**284715 to 284718—Continued**

284718. Col. No. 19756. Pilot Hill, El Dorado County, Calif. Elevation 1,100 feet. Spring annual to eight inches high; flowers low, purple.

284719. LUPINUS HIRSUTISSIMUS Benth.

Col. No. 19738. Rocky, sunny slope along mountain grade, Santa Isabel, San Diego County, Calif. Elevation 3,000 feet. Erect stooiling annual to 32 inches high; flowers dark purple, on long spikes and armed with piercing hairs.

284720. LUPINUS LATIFOLIUS Agardh

Col. No. 19774. Wildcat Canyon, Berkeley Hills, Alameda County, Calif. Herbaceous; branches erect, spreading.

284721 to 284723. LUPINUS LUTEOLUS Kell.

284721. Col. No. 19724. Rocky roadbank 15 miles north of Raymond along road to Mariposa, Calif. Elevation 1,500 feet. Annual with white flowers.

284722. Col. No. 19757. Gravelly road shoulders, Auburn, Placer County, Calif. Elevation 1,500 feet. Annual to 16 inches high; racemes arching.

284723. Col. No. 19769. Hwy. 20 talus slope, 20 miles west of Williams, Colusa County, Calif. Erect, determinate spring annual to 16 inches high; flowers cream white; spikes and seeds prolific.

284724. LUPINUS MONTIGENUS Heller

Col. No. 19799. Dry, sagebrush roadside junction Hwys. 120 and 395, Lee Vining, Mono County, Calif. Elevation 7,150 feet. Wild perennial herb to 24 inches high; many shoots from single crown.

284725. LUPINUS PACHYLOBUS Greene

Col. No. 19775. Wildcat Canyon, Berkeley Hills, Alameda County, Calif. Annual herb to 20 inches high, leafy; flowers dark purple; pods fleshy when green.

284726. LUPINUS STIVERI Kell.

Col. No. 19797. Granitic soils two miles north of Oakhurst, Madera County, Calif. Elevation 2,800 feet. Tender, annual to 16 inches high; flowers magenta; petals long; pods green.

284727. LUPINUS sp.

Col. No. 19725. Seven miles northeast of Raymond, Madera County, Calif., along road to Ahwahnee. Shrub to 6 feet high.

284728. LUPINUS sp.

Col. No. 19731. Hayward roadbank, Alameda County, Calif. Annual to 16 inches high; flowers purple.

284729. LUPINUS sp.

Col. No. 19740. Grain field Murrieta, Riverside County, Calif. Elevation 1,200 feet. Spring annual growing rankly in sandy loam. White- and purple-flowered forms.

284730 to 284732. HUMULUS LUPULUS L. Moraceae.**Common hop.**

From Great Britain. Cuttings presented by the East Malling Research Station, Maidstone, Kent, England. Received November 14, 1962.

284730. 'Defender-D3'.

284731. 'Density-D1'.

284732. 'Janus-J2'.

284733. ASTREBLA sp. Poaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 14, 1962.

284734 and 284735.

From India. Seeds collected by I. E. Stokes, Crops Research Division, Beltsville, Md. Received Nov. 14, 1962.

284734. *SORGHUM SUBGLABRESCENS* (Steud.) Schweinf. & Aschers. Poaceae.

Co. 18. Ninety-five days to maturity.

284735. *SORGHUM ROXBURGHII* (Hack.) Stapf

Co. 19. One hundred and forty-five days to maturity.

284736. SORGHUM BICOLOR (L.) Moench Poaceae.

From Kenya. Seeds collected by I. E. Stokes, Crops Research Division, Beltsville, Md. Received Nov. 14, 1962. Chemilel Estate.

284737 to 284757. HORDEUM SPONTANEUM K. Koch Poaceae.

From Israel. Seeds presented by the Faculty of Agriculture, Rehovot. Received November 14, 1962.

284737. No. 10040.	284748. No. 20003.
284738. No. 10041.	284749. No. 20004.
284739. No. 10042.	284750. No. 20005.
284740. No. 11031.	284751. No. 20006.
284741. No. 11033.	284752. No. 20007.
284742. No. 11035.	284753. No. 20008.
284743. No. 11036.	284754. No. 20009.
284744. No. 11037.	284755. No. 20011.
284745. No. 18001.	284756. No. 20014.
284746. No. 20001.	284757. No. 20015.
284747. No. 20002.	

284758 to 284772.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received November 14, 1962.

284758 and 284759. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. **Mimosa-
ceae. Leadtree.**

Countries of original collection other than Australia are indicated.

284758. C.P.I. 18228. Guatemala.

284759. C.P.I. 18624. Hawaii.

284760. *LOTONONIS ANGOLENSIS* Welw. ex Baker **Fabaceae.**

C.P.I. 26293. N. Rhodesia.

284761. *LOTSU MEARNSII* Britton. **Fabaceae.**

C.P.I. 20741. Kenya.

284762 to 284767. *PANICUM MAXIMUM* Jacq. **Poaceae. Guineagrass.**

284762. C.P.I. 6563. S. Rhodesia. **284765.** C.P.I. 17115. Nigeria.

284763. C.P.I. 16327. Portugal. **284766.** C.P.I. 18415. N. Rhodesia.

284764. C.P.I. 16723. S. Africa. **284767.** C.P.I. 23725. S. Africa.

284758 to 284772—Continued

284768. *PASPALUM ROJASII* Hack. Poaceae.

C.P.I. 24935. S. America.

284769 and 284770. *PENNISETUM PEDICELLATUM* Trin. Poaceae.

284769. C.P.I. 22617. Nigeria.

284770. C.P.I. 22618. Nigeria.

284771 and 284772. *PHASEOLUS LATYHROIDES* L. Fabaceae.

284771. C.P.I. 520.

284772. C.P.I. 26667.

284773. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

From Sweden. Seeds presented by W. Weibull, Landskrona. Received November 15, 1962.

No. 6068. 'Regulus Imperial' Weibull's original.

284774. *ACACIA MELANOXYLON* R. Br. ex Ait. Myrtaceae.
Blackwood acacia.

From Argentina. Seeds presented by the Division de Exploraciones e Introduccion de Plantas, Department of Agricultura, Buenos Aires. Received November 15, 1962.

'Acacia Negra'.

284775 and 284776. *MYRICA RUBRA* Sieb. & Zucc. Myricaceae.
Waxmyrtle.

From Japan. Seeds presented by the Horticultural Section, Ministry of Agriculture and Forestry, Tokyo. Received November 15, 1962.

284775. 'Hinode' ('Sunrise') or 'Kogyoku' ('Red Jewel'). Originated in Komatsu-Jima City, Tokushima Pref. Early variety, matures from mid-to-late June. Berries blackish red, nearly tasteless.

284776. 'Oni' or 'Awa-nichiki'. Awa is former name of Tokushima Pref. Nishiki means brocade. Originated in Komatsu-Jima City, Tokushima Pref. late 17th century. Midseason variety maturing in late June and early July. Berries black with golden luster, large, moderate sweet and sour.

284777 to 284785.

From Australia. Seeds presented by the Botanic Garden, Adelaide, South Australia. Received November 15, 1962.

284777. *ACACIA LONGIFOLIA* (Andrews) Willd. Mimosaceae.
Sydney wattle.

284778. *CAESALPINIA GILLIESII* (Hook.) Wall. ex Loefgren Caesalpinia-
ceae.

284779. *DIANELLA CAERULEA* Sims. Liliaceae.

284780. *DIANELLA REVOLUTA* R. Br.

284781. *DIANELLA TASMANICA* Hook. f.

284782. *EUCALYPTUS NIPHOPHILA* Maiden & Blakely Myrtaceae.

284783. *ILEX PARAGUARIENSIS* St. Hil. Aquifoliaceae. **Yerba mate.**

284784. *MAHONIA WILCOXII* Rehder Berberidaceae.

284785. *VIBURNUM HARRYANUM* Rehder Caprifoliaceae.

284786. BRASSICA NIGRA (L.) Koch Brassicaceae.**Black mustard.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received November 15, 1962.

Col. No. 7436. Common, 58 km. south of Addis Ababa, latitude 8° N. longitude 39° E., Shoa province. A much-branched, coarse annual to 2 meters high; base woody, to 12 mm. thick; stems with a mild flavor of mustard; leafy towards base; flowers bright yellow.

284787 to 284856.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 15, 1962.

Countries of original collection other than Australia as indicated.

284787. BRACHARIA RUZIZIENSIS Germain & Evrard. Poaceae.

C.P.I. 18116. Belgian Congo.

284788. BROMUS WILLDENOWII Kunth Poaceae.**Rescuegrass.**

Q 423. 'Priebes Perennial'.

284789. CANAVALLIA ENSIFORMIS (L.) DC. Fabaceae.**Jackbean.**

C.I.P. 17435. Anglo-Egyptian Sudan.

284790 to 284794. CHLORIS GAYANA Kunth Poaceae.**Rhodesgrass.**

284790. C.P.I. 12779. Uganda.

284791. C.P.I. 16885. Uganda.

284792. C.P.I. 24251. Senegal.

284793. C.P.I. 24508. India.

284794. C.P.I. 25287. S. Africa.

284795. DACTYLIS GLOMERATA L. Poaceae.**Orchardgrass.**

V-186. 'Currie'.

284796. DESMODIUM CANUM (Gmel.) Schinz & Thell. Fabaceae.**Kaimi-clover.**

C.P.I. 18225. Hawaii.

284797. DESMODIUM UNCINATUM (Jacq.) DC.

C.P.I. 8990. 'Rajadao'. Brazil.

284798. DOLICHOS AXILLARIS E. Mey. Fabaceae.

C.P.I. 17814. Kenya.

284799 to 284802. DOLICHOS LABLAB L.**Hyacinth-bean.**

284799. C.P.I. 16880. Kenya.

284801. C.P.I. 23551. Malaya.

284800. C.P.I. 16881. Kenya.

284802. C.P.I. 24616. China.

284803. EHRHARTA CALYCINA J. E. Smith Poaceae. Perennial veldtgrass.

V-163. 'Unarlee' strain.

284804 to 284813. GLYCINE JAVANICA L. Fabaceae.

284804. C.P.I. 13300. S. Rhodesia.

284805. C.P.I. 16417. Nigeria.

284806. C.P.I. 16673. S. Rhodesia.

284807. C.P.I. 16830. S. Africa.

284808. C.P.I. 17185. Nigeria.

284809. C.P.I. 17673. S. Rhodesia.

284787 to 284856—Continued**284804 to 284813—Continued**

284810. C.P.I. 18103. Brazil.
284811. C.P.I. 18419. 'Choma' strain. N. Rhodesia.
284812. C.P.I. 23411. Cuba.
284813. C.P.I. 25333. Kenya.
- 284814 to 284816. *GLYCINE MAX* (L.) Merr. **Soybean.**
284814. C.P.I. 15433. Sudan.
284815. C.P.I. 20809. Malaya.
284816. C.P.I. 20812. Malaya.
284817. *INDIGOFERA ECHINATA* Willd. Fabaceae.
C.P.I. 17183. Nigeria.
284818. *INDIGOFERA SPICATA* Forsk.
C.P.I. 24205. Ghana.
284819. *ISCHAEMUM AUSTRALE* R. Br. Poaceae.
W. 771.
284820. *LEPTOLOMA PAPPOSA* (R. Br.) Hpghes Poaceae.
W. 788.
- 284821 to 284826. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**
284821. N. 623. Irish commercial.
284822. N. 624. Ayrshire commercial.
284823. V. 159. New Zealand mother strain.
284824. V. 160. 'Kyneton'.
284825. V. 161. 'Clunes'.
284826. V. 162. 'Colac'.
284827. *PANICUM MAXIMUM* Jacq. Poaceae. **Guineagrass.**
Q. 425.
- 284828 to 284839. *CENCHRUS CILIARIS* L. Poaceae. **Buffelgrass.**
284828. C.P.I. 13373. S. Rhodesia.
284829. C.P.I. 13374. S. Rhodesia.
284830. C.P.I. 13664. India.
284831. C.P.I. 14365. S. Africa.
284832. C.P.I. 15370. Sudan.
284833. C.P.I. 18224. British Cameroons.
284834. C.P.I. 18837. Morocco.
284835. C.P.I. 24507. India.
284836. C.P.I. 26687. Pakistan.
284837. N. 559. 'Biloela'.
284838. Q. 412. 'Gayndak'.
284839. Q. 413. 'Western Australian'.
284840. *POA* cf. *NEMORALIS* L. Poaceae.
C.P.I. 22319. U.S.S.R.
284841. *SECALE MONTANUM* Guss. Poaceae.
C.P.I. 22756. Germany.

284787 to 284856—Continued

284842. *SECALE VAVILOVII* Grossh.
C.P.I. 23286. 'Nemelorsrag'. Hungary.
- 284843 to 284852. *SESBANIA SERICEA* (Willd.) DC Fabaceae.
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| 284843. C. 895. | 284848. Q. 272. |
| 284844. C. 972. | 284849. W. 654. |
| 284845. Q. 256. | 284850. W. 660. |
| 284846. Q. 268. | 284851. W. 785. |
| 284847. Q. 271. | 284852. W. 813. |
284853. *STIPA HYALINA* Nees Poaceae.
C.P.I. 9729. Uruguay.
284854. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. Strawberry clover.
V. 111. O'Connor strain.
284855. *TRIFOLIUM MARITIMUM* Huds.
S. 208.
284856. *TRIFOLIUM SUBTERRANEUM* L. Subterranean clover.
V. 167 'Bacchus Marsh'.
284857. *STENOTAPHRUM SECUNDATUM* (Walt.) Kuntze. Poaceae. St. Augustine grass.
From Honduras. Plants presented by the Lancetilla Botanical Gardens, Tela. Received November 16, 1962.
- 284858 to 284864.**
From Poland. Seeds presented by the Institut Hodowli i Aklimatyzacji Roslin, Odansk-Wrzeszoz. Received November 16, 1962.
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|---|----------------|
| 284858. <i>BRASSICA HIRTA</i> Moench. Brassicaceae. | White mustard. |
| 284859. <i>BRASSICA NAPUS</i> var. <i>OLEIFERA</i> DC.
'Annuu'. | Rape. |
| 284860. <i>CAMELINA SATIVA</i> (L.) Crantz Brassicaceae.
'Oleifera'. | |
| 284861. <i>CRAMBE ABYSSINICA</i> R. E. Fries Brassicaceae. | |
| 284862. <i>HELIANTHUS ANNUUS</i> L. Asteraceae.
'Oleifera'. | Sunflower. |
| 284863. <i>LINUM USITATISSIMUM</i> L. Linaceae.
'Oleifera'. | Flax. |
| 284864. <i>PAPAVER SOMNIFERUM</i> L. Papaveraceae.
'Caesium'. | Opium poppy. |
- 284865 to 284867. *PUERARIA PHASEOLOIDES* (Roxb.) Benth. Fabaceae.
From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 16, 1962.
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| 284865. C.P.I. 26461. |
| 284866. C.P.I. 30028. |
| 284867. C.P.I. 30156. |

284868 and 284869.

From Denmark. Seeds presented by the Universitetets Botaniske Have, Copenhagen. Received Nov. 16, 1962.

284868. *AGROPYRON DESERTORUM* (Fisch. ex Link) Schult. Poaceae.
Standard wheatgrass.

284869. *AGROPYRON LITTORALE* (Host.) Dum.

From the West Danish Isles.

284870 to 284872. CITRUS SINENSIS (L.) Osbeck Rutaceae.**Orange.**

From Spain. Cuttings presented by the United States Embassy, Madrid. Received Nov. 19, 1962.

From the Valencia area.

284870. 'Navelate'.

284871. 'Navelina'. Thomson-like shape. From Nules, Castellon.

284872. 'Navelina'. Pear-shape No. 1. From Museros, 12 kms. north of Valencia.

284873 to 284876. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Japan. Seeds presented by the Faculty of Agriculture, Tohoku University, Sendai. Received Nov. 19, 1962. Black-seeded varieties.

284873. Nakei No. 1. Improved variety. Crossed at Chiba Natl. Inst. of Animal Industry, 1954.

284874. Nakei No. 5. Collected at Mie-Ken, 1953.

284875. Nakei No. 17. Selected from 'Oobatzurumame'.

284876. Nakei No. 19. Improved variety.

284877 to 284946.

From the Republic of Upper Volta. Seeds collected by J. H. Martin, Agricultural Research Service, Plant Industry Station, Beltsville, Md. Received Nov. 19, 1962.

284877. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.

Watermelon.

From Farako-Ba. A white-seeded, yellow-fleshed watermelon with a citric acid flavor.

284878 and 284879. *KERSTINGIELLA GEOCARPA* Harms Fabaceae.

284878. Saria No. 3. 'Black Leo'. Village of Leo, eastern region.

284879. Saria No. 4. 'Maroon Leo'. Village of Leo, eastern region.

284880 to 284911. *PENNISETUM TYPHOIDES* (Burm.) Stapf & Hubbard Poaceae.

284880. Farako-Ba No. 10 AB. Provenance Mina, western region. A late millet with well-shaped, short spike.

284881. Farako-Ba No. 17 AB. Provenance Kangala. A late variety; stalks strong.

284882. Farako-Ba No. 25 AB. Kotoura, western region. A late vegetative variety maturing in about 5 months.

284883. Farako-Ba No. 38 AB. Toussiana, western region.

284884. Farako-Ba No. 58 AB. Nafona, western region. Very late variety.

284885. Farako-Ba No. 73 AB. Niangoloko, western region.

284877 to 284946—Continued**284880 to 284911—Continued**

284886. Farako-Ba No. 87 AB. Soubaga, western region. Late variety.
284887. Farako-Ba No. 106 AB. Oulokoto Provenance. Late variety.
284888. Farako-Ba No. 117 AB. Sideradougou, western region. Matures in about 120 days.
284889. Farako-Ba No. 143 AB. Kampti, western region. Late variety.
284890. Farako-Ba No. 178 AB. Diebougon, western region. Late variety, ears long, large; seeds very starchy.
284891. Farako-Ba No. 182 AB. Diebougon, western region. Matures in 90 to 100 days.
284892. Farako-Ba No. 196 AB. Kouai, western region. Early variety; matures in 120 days.
284893. Farako-Ba No. 199 AB. Guegnere, western region.
284894. Farako-Ba No. 207 AB. Foanzan, western region.
284895. Farako-Ba No. 210 AB. Foanzan, western region. Late variety; seed small.
284896. Farako-Ba No. 211 AB. Foanzan, western region. Seeds large.
284897. Farako-Ba No. 216 AB. Pa, western region. Very late variety.
284898. Farako-Ba No. 230 AB. Koriba, western region. Late variety.
284899. Saria No. 24. 'Kassablega'. Pedegha, eastern region.
284900. Saria No. 25. 'Kirmague'. Seloghin, eastern region.
284901. Saria No. 26. 'Sagnio'. Karaborola, western region.
284902. Saria No. 77. Koubel-Alfa, eastern region.
284903. Saria No. 78.
284904. Saria No. 79. Friguinde, eastern region.
284905. Saria No. 80. Sourou, eastern region.
284906. Saria No. 81. Dori, eastern region.
284907. Saria No. 83. 'Mian II'. Sibi, western region.
284908. Saria No. 84. 'Sanko'. Pompoi, western region.
284909. Saria No. 85. 'Sikagnon'. Pompoi, western region.
284910. Saria No. 86. 'Sikagnon'. Pompoi, western region.
284911. Saria No. 87. 'Milossio'. Bagassi, western region.
- 284912 to 284938. VOANDZEIA SUBTERRANEA (L.) Thouars Fabaceae.
284912. No. 10. 'Pois Noir'. Kombissiri, eastern region.
284913. Farako-Ba No. 12 AB. Signana, western region. A cultivated creeping variety. Matures in 150 days.
284914. Farako-Ba No. 13 AB. Mina, western region.
284915. Farako-Ba No. 36 AB. Toussiana, western region. A catch-crop; matures in 90 days.
284916. Farako-Ba No. 69. AB. Signana, western region.
284917. Farako-Ba No. 100 AB. Sindou, western region. Early variety grown for its nutritious food.
284918. Farako-Ba No. 101 AB. Sindou, western region. Early variety.
284919. Farako-Ba No. 126 AB. Fo, western region. Matures in 3 months.

284877 to 284946—Continued**284912 to 284938—Continued**

284920. Farako-Ba No. 170 AB. Goona, western region.
 284921. Farako-Ba, No. 222 AB. Pa, western region. Early creeping variety.
 284922. Farako-Ba No. 239 AB. Fo, western region. Matures in 3 months.
 284923. Saria No. 2. 'Konkin-Nepougto'. Ouahigouya, eastern region.
 284924. Saria No. 5. 53-6. Mbambey (Senegal).
 284925. Saria No. 8. 'Soum Pelaga' or 'Bisnare'. Kombissiri Prov.
 284926. Saria No. 15. 'Soum Kodinga'. Eastern region.
 284927. Saria No. 17. 53-3. Mbambey Prov.
 284928. Saria No. 25. 'Soum-Kamana'. Fanka, eastern region.
 284929. Saria No. 48. 50-31. Tarna Prov.
 284930. Saria No. 59. 50-34B. Tarna Prov.
 284931. Saria No. 62. 53-3E. Tarna Prov.
 284932. Saria No. 73. 190. Tarna Prov.
 284933. Saria No. 80. 182-4. Tarna Prov.
 284934. Saria No. 84. 120. Tarna Prov.
 284935. Saria No. 133. 118. Tarna Prov.
 284936. Saria No. 134. 53-9. Tarna Prov.
 284937. Saria No. 139. 215. Tarna Prov.
 284938. Saria No. 144. 177/1. Tarna Prov.

284939 to 284946. ZEA MAYS L. Poaceae. Corn.

284939. Farako-Ba No. 56 AB. Banfora, western region. Late variety, matures in 90 days.
 284940. Farako-Ba No. 83 AB. Soubaka, western region.
 284941. Farako-Ba No. 146 AB. Loropeni, western region. Very sweet, early variety.
 284942. Farako-Ba No. 156 AB. Loropeni, western region. Early sweet variety.
 284943. Farako-Ba No. 193 AB. Karangasso, western region. Early variety.
 284944. Farako-Ba No. 245 AB. Koundougou, western region. Cultivated for the market-garden.
 284945. Farako-Ba No. 260 AB. Karangasso, western region. Good yielding early variety.
 284946. Farako-Ba No. 262 AB. Karangasso, western region. Red corn; yield good.

284947 to 284963. GOSSYPIUM (hybrids). Malvaceae.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received Nov. 20, 1962. Marie Galante types. Country of origin as indicated.

284947. CAT-SP 1. 'Miraflores'. Miraflores, Dept. de Boyaca, Colombia.
 284948. CAT-SP 3. 'La Misericordia'. La Misericordia Antioqufa, Colombia.
 284949. CAT-SP 4. 'Hibrido Nativo de la Costa No. 18'. Sabanalarga, Dept. del Atlantico, Colombia.

284947 to 284963—Continued

284950. CAT-SP 5. 'Pajarito'. Dorada, Caldas, Colombia.
284951. CAT-SP 6. 'Hibrido Nativo de la Costa'. Barranquilla, Dept. del Atlantico, Colombia.
284952. CAT-SP 13. 'Moco MF10'. Rio Grande del Norte, Brazil.
284953. CAT-SP 14. 'Moco MF14'. Rio Grande del Norte, Brazil.
284954. CAT-SP 15. 'Moco MF84'. Rio Grande del Norte, Brazil.
284955. CAT-SP 16. 'Moco P55'. Rio Grande del Norte, Brazil. New strains of Saenz Pena.
284956. SP 090. From *G. arboreum*, *G. thurberi* and *G. hirsutum*.
284957. SP 923. Glabrous plants with D2 smoothness from *G. hirsutum*, and *G. armourianum*.
284958. SP 926. Glabrous plants with D2 smoothness from *G. hirsutum*, *G. arboreum* and *G. armourianum*.
- F hybrids between 'Pima S-2' or 'Coastland RN' and southern *G. barbadense*.
284959. SP 181. 'Coastland RN' × 'Diaguita'.
284960. SP 199. CB-SP 199 (Mataco) × 'Pima S-2'.
284961. SP 1005. CB-SP 159 (Guarani) × 'Pima S-2'.
284962. SP 1012. CB-SP 157 (Guarani) × 'Pima S-2'.
284963. SP 1018. CB-SP 173 (Guarani) × 'Pima S-2'.

284964. CROTALARIA JUNCEA L. Fabaceae. Sunn-hemp.

From Colombia. Seeds presented by the Instituto de Investigaciones Tecnológicas, Bogota. Received Nov. 20, 1962.

284965 to 284968.

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, England. Received August 14, 1962. Numbered Nov. 20, 1962.

284965. CALLOPSIS VOLKENSIS Engl. Araceae.
284966. PELARGONIUM sp. Geraniaceae.
'Gustave Emich'.
284967. PELARGONIUM sp.
Without label.
284968. PSEUDODRACONTIUM HARMANDII Engl. Araceae.
'Siamense'.

284969 and 284790.

From the Union of Soviet Socialist Republics. Seeds obtained and presented by the Wisconsin Agricultural Experiment Station, Madison. Numbered November 20, 1962.

284969. MELILOTUS ALBA Desr. Fabaceae. **White sweetclover.**
Wisconsin Accession 15. Obtained from Rostov-on-Don, from which plants with resistance to *Phytophthora* root rot were selected. Used in breeding 'Denta', a low coumarin variety.
284970. MELILOTUS DENTATA (Waldst. & Kit.) Pers.
Wisconsin Accession No. 91. Obtained from Saratov, through the Bureau of Plant Industry, Leningrad. Contributed low coumarin genes to variety 'Denta'.

284971 to 285002. SORGHUM BICOLOR (L.) Moench Poaceae.
Sorghum.

From Argentina. Seeds presented by the Estacion Experimental Agropecuaria de Manfredi, Manfredi, to the Georgia Agricultural Experiment Station, Experiment, Ga. Numbered Nov. 20, 1962.

- 284971. S.G. 1716. 'Adjigoni'.
- 284972. S.G. 1711. 'Arbaona'.
- 284973. S.G. 1487. 'Alpha'.
- 284974. S.G. 1479. 'Birdproof'.
- 284975. S.G. 1481. 'Barnard Red'.
- 284976. S.G. 1220. 'Djarto Kogolo'.
- 284977. S.G. 1215. 'Damatayoum'.
- 284978. S.G. 1216. 'Dakok'.
- 284979. S.G. 1430. 'Feterita Pergamino'.
- 284980. S.G. 1483. 'Framida'.
- 284981. S.G. 402. 'Grohoma La Estanzuela'.
- 284982. S.G. 407. 'Grohoma Leg. MAN'.
- 284983. S.G. 1211. 'Godgi'.
- 284984. S.G. 1218. 'Galia'.
- 284985. S.G. 1717. 'Iakm'.
- 284986. S.G. 1219. 'Kounan'.
- 284987. S.G. 1715. 'Kanga'.
- 284988. S.G. 1718. 'Kourniana'.
- 284989. S.G. 1719. 'Kansara'.
- 284990. S.G. 1212. 'Mandara'.
- 284991. S.G. 1214. 'Madara'.
- 284992. S.G. 1195. 'Mweru Type'.
- 284993. S.G. 1213. 'Nadjada'.
- 284994. S.G. 1217. 'Nadjada Aingoni'.
- 284995. S.G. 1209. 'Panhare'.
- 284996. S.G. 1484. 'Radar'.
- 284997. S.G. 1210. 'Urtchinn'.
- 284998. S.G. 1429. 'Hegari Saenz Pena'.
- 284999. S.G. 1721. 'Napalpi'.
- 285000. S.G. 1275. 'Mandredi Cholila'.
- 285001. S.G. 383. 'Manfredi Minu'.
- 285002. S.G. 1427. 'Oliveros Carcarana MAG'.

285003 to 285037.

From Mexico. Tubers collected by Donald Ugent, Rockefeller Foundation-University of Wisconsin collector. Collected August and September. Received Nov. 20, 1962.

285003 and 285004. SOLANUM (hybrids). Solanaceae.
S. stoloniferum × *S. tuberosum*.

285003. No. 1805. Mt. Punguato, Morelia. Flowers purple with short acumens; berries abundant; tubers white with red eyes.

285003 to 285037—Continued

285004. No. 1821. Mt. Punguato, Morelia. Elevation 7,050 feet. Flowers purple with short acumens; berries abundant; tubers white with red eyes.

285005 to 285023. SOLANUM TUBEROSUM L.

Collected at Nevada de Toluca.

285005. No. 1020. 'Creole'. Elevation 10,973 feet. Flowers white.

285006. No. 1021. 'Creole'. Elevation 10,973 feet. Flowers pink.

285007. No. 1022. 'Creole'. Elevation 10,973 feet.

285008. No. 1086. 'Mexicana'. Elevation 11,000 feet.

285009. No. 1087. 'Chicalota'. Elevation 11,000 feet. Flowers white; tubers yellow flesh.

285010. No. 1088. 'Chata'. Elevation 10,973 feet. Flowers small reddish purple; anthers yellow green.

285011. No. 1092. 'Apastillado'. Elevation 11,000 feet.

285012. No. 1093. 'Chinahuapa'. Elevation 10,973 feet. Flowers pink; tubers white skinned.

285013. No. 1984. 'Boluda'. Elevation 10,973 feet. Flowers purple; tubers red.

285014. No. 1095. 'Amarilla'. Elevation 10,973 feet. Flowers purple; tubers red.

285015. No. 1096. 'Neja'. Flowers pink with white tips.

285016. No. 1097. 'Morada Mexicana'. Elevation 11,000 feet.

285017. No. 1098. 'Caldera'. Elevation 10,973 feet.

285018. No. 1099. 'Leona'. Elevation 10,973 feet. Flowers dark purple; tubers white with red eyes.

Collected Pico de Oriyaba, Puebla State, below Tasmalaquilla.

285019. No. 3226. 'Blanca'. Elevation 9,740 feet.

285020. No. 3227. 'Chata-mestiya'. Elevation 9,740 feet.

285021. No. 3228. 'Chata'. Elevation 9,740 feet.

285022. No. 3229. 'Chata-cuerda'. Elevation 9,740 feet.

285023. No. 3230. 'Colorado'. Elevation 9,740 feet.

285024. SOLANUM BULBOCASTANUM Dun.

No. 1720. Mt. Punguato, Morelia. Elevation 7,160 feet.

285025 and 285026. SOLANUM CARDIOPHYLLUM Lindl.

285025. No. 2002. Km. 329 on highway 15, about 10 km. west of Morelia, near Cerro de Aquila. Elevation 6,560 feet.

285026. No. 2152. Uruetaro, 4.6 miles east of Sarimbaro, near Morelia, Michoacan State. Elevation 6,891 feet.

285027. SOLANUM CARDIOPHYLLUM var. ENDOIODANDRUM Bitt.

No. 2917. One mile west of Km. 568 on the Pan American Highway, about 10 miles south of Oaxaca. Petals white with a bluish tip.

285028 to 285030. SOLANUM EDINENSE Berthault

Collected Nevada de Toluca.

285028. No. 1004. 'Papa Morada'. Elevation 10,973 feet.

285029. No. 1494. 'Papa Morada'. Elevation 10,973 feet.

285030. No. 1514. 'Papa Morada'. Elevation 11,323 feet. Plant small; numerous berries.

285003 to 285037—Continued

285031. SOLANUM MALINCHENSE Hawkes

No. 1334. Mt. Malinche, approached from Huamantla. Elevation 9,512 feet. Berries very few; tubers red.

285032. SOLANUM MORELLIFORME Bitter & Muench.

No. 2621. Pto. del Aire, above Acultyingo, Veracruz State.

285033. SOLANUM PINNATISECTUM Dun.

No. 1924. Km. 10, west of Morelia, Km. 329 on highway 15 near Cerro del Aquila. Elevation 6,560 feet.

285034. SOLANUM SEMIDEMISSUM Buk.

No. 1678. 'Papa Morada'. Nevada de Toluca. Elevation 10,973 feet. Tubers reddish.

285035 and 285036. SOLANUM STOLONIFERUM Schlecht.

Pto. del Aire, above Acultyingo, Veracruz State.

285035. No. 2657. Flowers dark purple.

285036. No. 2812. Elevation 7,500 feet. Flowers deep purple.

285037. SOLANUM VERRUCOSUM Schlecht.

No. 1400. Mt. Malinche, approached from Huamantla. Elevation 10,958 feet. Fruits oval, with small white dots.

285038. DAUCUS BRACHIATUS Sieber ex DC. Apiaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received November 21, 1962.

C. 1145.

285039 to 285043. SORGHUM BICOLOR (L.) Moench Poaceae.

Sorghum.

From Nigeria. Seeds presented by the Regional Research Station, Ministry of Agriculture, Zaria. Received November 21, 1962.

From northern Nigeria.

285039. BO 20.

285042. KO 8.

285040. BO 35.

285043. KO 25.

285041. BO 41.

285044 to 285046. MEDICAGO SATIVA L. Fabaceae.

Alfalfa.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received November 23, 1962.

285044. 'Lucerne' 7711/62. Code 1/829. Klein Karoo Koop.

285045. 'Lucerne' 7712/62. Code 1/830. Klein Karoo Koop.

285046. 'Lucerne' 7713/62. Code 1/831. Klein Karoo Koop.

285047. TRIFOLIUM MEDIUM Huds. Fabaceae.

Zigzag clover.

From New Zealand. Root cuttings presented by the Winchmore Irrigation Research Station, Ashburton. Received Nov. 26, 1962.

285048 to 285057.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Nov. 27, 1962.

285048. BERBERIS TELOMAICA Ahrendt Berberidaceae.

Barberry.

285049. BUDDLEIA COLVILEI Hook. f. Loganiaceae.

285048 to 285057—Continued

285050. *BUDDLEIA FALLOWIANA* Balf. f. & W. W. Smith

285051. *GENISTA VILLARSII* Clementi Fabaceae.

285052. *PRUNUS TENELLA* Batsch Amygdalaceae. **Russian almond.**
'Firehill'.

285053. *PRUNUS TENELLA* f. *ALBA* (Schneid.) Rehder

285054. *ROSA* × *HIGHDOWNENSIS* Hillier Rosaceae.

285055 and 285056. *SALIX LANATA* L. Salicaceae.

285055. No varietal name.

285056. 'Stuartii'.

285057. *SORBUS REDUCTA* Diels Malaceae.

285058 and 285059. *FRAGARIA* (hybrids) Rosaceae.

From Germany. Plants presented by the Zuchtgarten Wulfsdorf der Sengana, Hamburg-Volksdorf. Received Nov. 27, 1962.

285058. 'Senga Gigana'.

285059. 'Senga Precosa'.

285060. *QUERCUS ACUTISSIMA* Carruthers Fagaceae.

From Korea. Seeds presented by the Institute of Forest Genetics, Suwon, Kyunggio-do. Received Nov. 27, 1962.

From 40-year-old trees in the Suwon Arboretum.

285061 and 285062. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**

From Denmark. Seeds presented by L. Daehnfeldt, Limited, Odense. Received Nov. 29, 1962.

285061. 'Dania'.

285062. 'Dominant'.

285063. *TRIFOLIUM MATTIROLIANUM* Chiov. Fabaceae.

From Ethiopia. Seeds presented by I. E. Siegenthaler, Jimma. Received Nov. 29, 1962.

A self-seeding annual at Jimma.

285064. *ORYZOPSIS HOLCIFORMIS* (Bieb.) Hack. Poaceae.

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Nikitensis, Yalta, Tauria. Received Nov. 29, 1962.

285065 and 285066.

From Germany. Seeds presented by the Staatliche Lehr- und Forschungsanstalt für Gartenbau in Weißenstephan, Weißenstephan. Received Nov. 29, 1962.

285065. *SALVIA SUPERBA* Stapf Menthaceae.

'Mainacht'.

285066. *SCABIOSA* sp. Dipsacaceae.

Received as *S. rumelica*.

285067. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico D.F. Received Nov. 29, 1962.

285068. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From the Philippines. Seeds presented by the Bureau of Plant Industry, Department of Agriculture and Natural Resources. Received Nov. 29, 1962.

'Nagcarlan'. Sets fruit at high temperatures.

285069 to 285078. ORYZA SATIVA L. Poaceae. Rice.

From Thailand. Seeds presented by the Rice Department, Ministry of Agriculture, Bangkok. Received Nov. 29, 1962.

Glutinous varieties.

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| 285069. 'Dawk Prow'. | 285074. 'Nahng Sawn'. |
| 285070. 'Gaen Ma-Gawk'. | 285075. 'Nawn'. |
| 285071. 'Gaew Lai'. | 285076. 'Nghah Chahng'. |
| 285072. 'Gam-Pai'. | 285077. 'Pah Daen'. |
| 285073. 'Lai Luaung'. | 285078. 'Pah Leuad'. |

285079 to 285088.

From France. Seeds presented by the Station Centrale de Genetique et d'Amelioration des Plantes, Versailles. Received November 29, 1962.

285079 to 285082. AVENA SATIVA L. Poaceae. Common oats.

285079. 'Blanchette'.
 285080. 'Caravelle'. Seed coat black.
 285081. 'Phoenix'.
 285082. 'Vigor'.

285083 to 285086. HORDEUM VULGARE L. Poaceae.

285083. 'Amsel'.
 285084. 'Astrid'.
 285085. 'Ceres'.
 285086. 'Delta'.

285087 and 285088. TRITICUM AESTIVUM L. Poaceae. Common wheat.

285087. 'Aronde'.
 285088. 'Rex'.

285089 to 285097. GLYCINE MAX (L.) Merrill Fabaceae. Soybean.

From Venezuela. Seeds presented by the Universidad Central de Venezuela, Maracay. Received November 29, 1962.

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| 285089. 'Alianca'. | 285094. 'Larix D-79'. |
| 285090. 'Aracatuba'. | 285095. 'Mogiaka'. |
| 285091. 'Bicolor do Calai'. | 285096. 'Santa Maria'. |
| 285092. 'Blewoor'. | Seed coat black. |
| 285093. 'Geduld'. | 285097. 'Vadax G-68'. |

285098 to 285102.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received November 29, 1962.

- 285098. CHLORIS GAYANA Kunth Poaceae. Rhodesgrass.**
 Q654. Australian commercial.

285098 to 285102—Continued

285099. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
'Gippsland'.
285100. *LOLIUM* (hybrid). Poaceae.
'H-1 Short Rotation Ryegrass' (*L. perenne* × *L. multiflorum*).
285101. *LOLIUM PERENNE* L. Perennial ryegrass.
'Victorian'.
285102. *PHASEOLUS LATHYROIDES* L. Fabaceae.
Q658.

285103 to 285114.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Nedlands, Western Australia. Received Nov. 30, 1962.

- 285103 to 285105. *ADESMIA ANGUSTIFOLIA* Hook. & Arn. Fabaceae.
285103. C.P.I. 25536. Originally from Chile.
285104. C.P.I. 25831.
285105. C.P.I. 25834. Originally from Chile.
285106. *ADESMIA BICOLOR* (Poir.) DC.
C.P.I. 25821.
285107. *ADESMIA FILIFOLIA* Clos
C.P.I. 25540.
285108. *ADESMIA INCANA* Vogel
C.P.I. 25822.
285109. *ADESMIA MICROPHYLLA* Hook. & Arn.
C.P.I. 25542.
285110. *ADESMIA MURICATA* (Jacq.) DC.
C.P.I. 10548.
285111. *ADESMIA RECLINATA* P. Munoz
C.P.I. 25826.
285112 to 285114. *ADESMIA TENELLA* Hook. & Arn.
285112. C.P.I. 25535. Originally from Chile.
285113. C.P.I. 25537.
285114. C.P.I. 25544. Originally from Chile.

285115 to 285131. HORDEUM VULGARE L. Poaceae.

From Ethiopia. Seeds presented by I. E. Siegenthaler, Jimma, through the University of California, Davis. Received Nov. 30, 1962.

	<i>Sample No.</i>	<i>Area or market</i>	<i>Province</i>
285115.	S-33	Jimma Market	Kaffa
285116.	S-34	Jimma Market	Kaffa
285117.	S-35	Omo Nada Highlands	Kaffa
285118.	S-36	(Elevation 2,375 meters)	Eritrea
285119.	S-37	Alemaya	Harrar
285120.	S-38	Alemaya	Harrar
285121.	S-39	Harrar	Harrar

285115 to 285131—Continued

	<i>Sample No.</i>	<i>Area or market</i>	<i>Province</i>
285122.	S-40	Debre Berhan	Shoa
285123.	S-41	Debre Berhan	Shoa
285124.	S-42	Debre Berhan	Shoa
285125.	S-43	Debre Berhan	Shoa
285126.	S-44	Debre Berhan	Shoa
285127.	S-45	Holleta	Shoa
285128.	S-46	Holleta	Shoa
285129.	S-47	Near Aksum	Tigre
285130.	S-48	Galetcha	Shoa
285131.	S-49	Galetcha	Shoa

**285132 and 285133. LYCOPERSICON ESCULENTUM Mill. Solana-
ceae. Tomato.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Nov. 30, 1962.

285132. G8756. 'Bearwell'. Developed at Geary, Okla. Plants vigorous, compact, 12 by 46 in., determinate; fruit 1.8 by 2 in., elongate, plum shaped, nipple at blossom end, 6-loculed, many seedless, 2 clusters between adjacent petioles, excellent set; bears well under diverse conditions. Adapted to mechanical harvesting.

285133. G10029. 'Tanggula'. From the Philippines through the Ontario Agricultural Experiment Station, Guelph, Ontario, Canada. Plant vigorous, erect, 12 by 39 in., indeterminate, very prolific, midseason variety; fruit 2.6 by 2.96 in., 5-loculed solid globe, some tolerance to cracking; flesh soft; skin tough; internal color excellent; taste excellent.

**285134 and 285135. Elettaria cardamomum (L.) Maton Zin-
giberaceae. Cardamom.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received December 3, 1962.

From Mudigere, south India.

285134. 'Ceylon'.

285135. 'Malabar'.

285136 to 285169. Solanum tuberosum L. Solanaceae. Potato.

From Germany. Tubers presented by the Max Planck Institut, Zuchtungs-forschung, Koln-Vogelsang. Received December 4, 1962.

285136. MPI H 61.417/5.	285146. MPI H 61.459/10.
285137. MPI H 61.417/7.	285147. MPI H 61.459/17.
285138. MPI H 61.417/9.	285148. MPI H 61.459/19.
285139. MPI H 61.417/10.	285149. MPI H 61.459/22.
285140. MPI H 61.417/19.	285150. MPI H 61.459/26.
285141. MPI H 61.418/1.	285151. MPI H 61.459/30.
285142. MPI H 61.459/3.	285152. MPI H 61.459/33.
285143. MPI H 61.459/5.	285153. MPI H 61.459/38.
285144. MPI H 61.459/6.	285154. MPI H 61.420/10.
285145. MPI H 61.459/9.	285155. MPI H 61.430/2.

285136 to 285169—Continued

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| 285156. MPI H 61.431/3. | 285163. MPI H 62.516/7. |
| 285157. MPI H 61.434/1. | 285164. MPI H 62.517/1. |
| 285158. MPI H 61.435/1. | 285165. MPI H 62.517/3. |
| 285159. MPI H 61.440/1. | 285166. MPI H 62.517/8. |
| 285160. MPI H 61.460/17. | 285167. MPI H 62.526/2. |
| 285161. MPI H 61.464/17. | 285168. MPI H 62.526/5. |
| 285162. MPI H 61.464/22. | 285169. MPI H 62.539/2. |

285170 to 285177. SESAMUM INDICUM L. Pedaliaceae. Sesame.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received December 4, 1962.

285170 to 285173. Lower Galilee. Open-pollinated.

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| 285170. 'Araba'. | 285172. 'Hirbet Merjam'. |
| 285171. 'Eilabun'. | 285173. 'Mrar'. |
| 285174. 4/b. Beit Dagan. | |
| 285175. 45. | |
| 285176. 64/a. Beit Dagan. | |
| 285177. 101/7. Beit Dagan. | |

285178 and 285179. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Sweden. Seeds presented by W. Weibull, Landskrona. Received December 4, 1962.

Winter wheat.

285178. 'Eroica I'.
285179. 'Eroica II'.

285180 to 285182. PANICUM MAXIMUM Jacq. Poaceae.**Guineagrass.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo. Received December 4, 1962.

285180. Pasture grass from Ceara.
285181. Pasture grass from Tanganyika.
285182. 'Gongiloides'. Always green.

285183 and 285184. HORDEUM VULGARE L. Poaceae.

From Turkey. Seeds presented by the Plant Breeding Station, Eskisehir. Received December 4, 1962.

285183. 'Guzak 24'. Selection from native population in central Anatolia. Plants medium height; straw weak; heads two-rowed, awned; seed white; yield good; has considerable winter hardiness.
285184. 'Sakiz 66'. Hybrid between Chinese and native variety similar to 'Guzak 24'. Chinese parent was two rowed, awnless; straw weak; not winter hardy in central Anatolia. 'Sakiz 66' is tall, weak strawed, two rowed, awnless; susceptible to leaf rust and mildew.

285185 to 285192. ASTRAGALUS SINICUS L. Fabaceae.**Chinese milkvetch.**

From Japan. Seeds presented by the United States Embassy, Tokyo. Received December 4, 1962.

285185 to 285192—Continued

285185. 'Gifu Renge-Original'. Gifu Prefecture. Warm climate variety.
 285186. 'Gifu Renge-Large'. Gifu Prefecture. Warm climate variety.
 285187. 'Gifu Renge-4X'. Gifu Prefecture. Warm climate variety. Tetraploid.
 285188. 'Yamashita Improved'. Aichi Prefecture. Warm climate variety.
 285189. 'Funo-sen No. 24'. Toyama Prefecture. Cool climate variety.
 285190. 'Nakano-Goya'. Niigata Prefecture. Cool climate variety.
 285191. 'Haru-Komachi'. Yamagata Prefecture. Cool climate variety.
 285192. 'Fukuchi'. Akita Prefecture. Cool climate variety.

285193 to 285195. SORGHUM BICOLOR (L.) Moench Poaceae.**Sorghum.**

From Nigeria. Seeds presented by the Institute for Agricultural Research, Ahmadu Bello University, Samaru, Zaria. Received December 4, 1962.

285193. 'Short Kaura' (SK55242-3-6).
 285194. 'Nunaba'. Originally from Ghana.
 285195. 'Makaho da Wayo' (SO.60) from Sokoto (Cleistogamous).

285196. ENCEPHALARTOS MANIKENSIS (Gilliland) Gilliland Cycadaceae.

From Portuguese East Africa. Seeds presented by the American Consular Service, Salisbury, Rhodesia. Received December 4, 1962.

Collected on south face of Ribau Mountain, Mocambique District. Elevation 3,400 feet.

285197 to 285204. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From France. Seeds presented by Andre Blondeau, Cultures de Semences Selectiones, Bersee (Nord). Received Dec. 10, 1962.

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| 285197. No. 42. | 285201. No. 86. |
| 285198. No. 45. | 285202. No. 98. |
| 285199. No. 55. | 285203. No. 100. |
| 285200. No. 58. | 285204. 'Joel'. |

285205 to 285208.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Dec. 10, 1962.

285205. *AGROPYRON IMBRICATUM* (Bieb.) Roem. & Schult. Poaceae. Omsk region.
 285206. *ORYZOPSIS HOLCIFORMIS* (Bieb.) Hack. Poaceae.
 285207. *STIPA PENNATA* L. Poaceae.
 285208. *STIPA PENNATA* var. *LESSINGIANA* (Trin. & Rupr.) Richter

285209 to 285211.

From Pakistan. Seeds presented by the Punjab University, Chandigarh-3, Punjab State. Received Dec. 10, 1962.

285209. *CARTHAMUS LANATUS* L. Asteraceae. Kashmir valley. Elevation 5,000 feet.
 285210. *LINUM USITATISSIMUM* L. Linaceae.
 Foothills, Chandigarh.

Flax.

285209 to 285211—Continued**285211.** *SESAMUM* sp. Pedaliaceae.

Kathgodam, Naini Tal.

285212. *SACCHARUM* (hybrid). Poaceae. **Sugarcane.**

From United States. Seeds presented by the Hawaiian Sugar Planters' Association, Honolulu, Hawaii. Received December 10, 1962.

285213. *CUCURBITA TEXANA* A. Gray Cucurbitaceae.

From the United States. Seeds presented by D. S. Correll, Texas Research Foundation, Renner, Tex. Received Dec. 10, 1962.

285214 and 285215. *SACCHARUM* (hybrids). Poaceae.**Sugarcane.**

From China. Cuttings presented by the Taiwan Sugar Experiment Station, Taiwan. Received Dec. 11, 1962.

285214. FP 58-1.**285215.** FP 58-2.**285216 to 285231.**

From Uruguay. Seeds presented by the Facultad de Agronomia, Montevideo, through the United States Embassy. Received December 11, 1962.

285216. *PANICUM BERGII* Arech. Poaceae.

No. 1094. Kilometer 92, Route 5, Dept. of Florida. Perennial summer grass.

285217 and 285218. *PANICUM GRUMOSUM* Nees**285217.** No. 3619. Riverbanks and damp fields, Rio Uruguay, Dept. of Soriano. Perennial summer grass.**285218.** No. 3697. Riverbank and damp fields Manuel Diaz Pass, Rio Tacuarembó, Dept. of Rivera. Perennial summer grass.**285219 to 285221.** *PANICUM MILIODES* Nees**285219.** No. 1532. Frequent in virgin fields, Desconocido. Perennial summer grass.**285220.** No. 1582. Frequent in virgin fields. Kilometer 48, Route 14, Cololo, Dept. of Soriano. Medium height perennial summer grass.**285221.** No. 3539. Frequent in virgin fields, Tacuarembó Chico, Dept. of Tacuarembó. Medium height perennial summer grass.**285222.** *PANICUM PRIONITIS* Nees

No. 186. High, moist fields, Desconocido. Perennial summer grass. Leaves contain silicon; not palatable; used for thatched roofs.

285223 to 285226. *PASPALUM DILATATUM* Poir. Poaceae. **Dallisgrass.****285223.** No. 3688. Clayey gorge, bank of the Rio de la Plata near Colonia, Dept. of Colonia. Perennial summer grass.**285224.** No. 3818. San Gregorio, Dept. of Artigas. Perennial summer grass.**285225.** No. 3849. Casupa, Dept. of Florida. Perennial summer grass.**285226.** No. 3850. Kilometer 117, de Montevideo a Mal Abrigo, Dept. of San Jose. Perennial summer grass.**285227.** *PASPALUM HAUMANII* Parodi

No. 195. Low fields and moist places, Desconocido. Tall, perennial summer grass.

285216 to 285231—Continued**285228. PASPALUM INDECORUM Mez**

No. 356. Wet and dry rocky pastures of middle elevation near Artigas, Dept. of Artigas. Perennial summer grass.

285229. PASPALUM INTERMEDIUM Munro ex Morong

No. 3819. Moist fields, San Gregoria, Dept. of Artigas. Scarce perennial summer grass.

285230. PASPALUM QUADRIFARIUM Lam.

No. 3673. Abundant in some areas near Arroyo San Pedro, Dept. of Colonia. Perennial summer grass.

285231. PIPTOCHAETIUM MONTEVIDENSE (Spreng.) Parodi Poaceae.

No. 77. Pan de Azucar, Dept. of Maldonado. Perennial winter grass.

285232 to 285260.

From the United States. Cuttings collected by R. L. Ticknor, Oregon State University. Now held at the Willamette Experiment, Station, Aurora, Oreg. Numbered Dec. 11, 1962.

285232. ARCTOSTAPHYLOS sp. Ericaceae.

Col. No. 1864. Junction of U.S. Highway 97 and Davis Lake-Cultus Lake Road, Deschutes National Forest, Oreg. Elevation 4,600 feet. Plants to 15 inches high; bark exfoliating on older stems; flowers small, pink.

285233 to 285260. CEANOTHUS PROSTRATUS Benth. Rhamnaceae.

285233. Col. No. 7. U.S. Highway 97, 9.2 miles north of Goldendale, Klickitat County, Wash. Elevation 2,200 feet.

285234. Col. No. 8. U.S. Highway 97, 11.1 miles north of Goldendale, Klickitat County, Wash. Elevation 2,400 feet. Seed crop heavy.

285235. Col. No. 9—A. U.S. Highway 97, 11.1 miles north of Goldendale, Klickitat County, Wash. Elevation 2,400 feet.

285236. Col. No. 9—C. U.S. Highway 97, 11.1 miles north of Goldendale, Klickitat County, Wash. Elevation 2,400 feet.

285237. Col. No. 9—D. U.S. Highway 97, 11.1 miles north of Goldendale, Klickitat County, Wash.

285238. Col. No. 10—A. Seven miles west of Goldendale, road to Klickitat, Klickitat County, Wash. Elevation 1,760 feet. Plants vigorous.

285239. Col. No. 10—B. Seven miles west of Goldendale, road to Klickitat, Klickitat County, Wash. Elevation 1,760 feet. Plants vigorous.

285240. Col. No. 10—C. Seven miles west of Goldendale, road to Klickitat, Klickitat County, Wash. Elevation 1,760 feet. Plants vigorous.

285241. Col. No. 10—D. Seven miles west of Goldendale, road to Klickitat, Klickitat County, Wash. Elevation 1,760 feet. Plants vigorous.

285242. Col. No. 12—A. Near Glenwood, Klickitat County, Wash. Elevation 2,200 feet. Plant compact.

285243. Col. No. 12—B. Near Glenwood, Klickitat County, Wash. Elevation 2,200 feet. Plant vigorous.

285244. Col. No. 12—C. Near Glenwood, Klickitat County, Wash. Elevation 2,200 feet. Plant vigorous.

285245. Col. No. 13—A. Glenwood-Goldendale road, one mile east of Creek Falls outlet.

285246. Col. No. 13—B. Glenwood-Goldendale road, one mile east of Creek Falls outlet.

285247. Col. No. 13—C. Glenwood-Goldendale road, one mile east of Creek Falls outlet.

285232 to 285260—Continued**285233 to 285260—Continued**

- 285248.** Col. No. 14. Glenwood-Goldendale road, 0.3 miles west of logging trains loading area. Elevation 1,250 feet. Plants compact; leaves small.
- 285249.** Col. No. 15. Glenwood-Goldendale road, 0.3 miles west of logging trains loading area. Elevation 1,250 feet. Plants vigorous; leaves distinct, small.
- 285250.** Col. No. 16-A. 14.6 miles from Glenwood on Klickitat road, Klickitat County, Wash. Elevation 2,000 feet.
- 285251.** Col. No. 16-B. 14.6 miles from Glenwood on Klickitat road, Klickitat County, Wash. Elevation 2,000 feet.
- 285252.** Col. No. 16-C. 14.6 miles from Glenwood on Klickitat road, Klickitat County, Wash. Elevation 2,000 feet.
- 285253.** Col. No. 17-A. About 9 miles east of junction of U.S. Highway 26 and Oregon 216, Wasco County, Oreg. Elevation 3,120 feet.
- 285254.** Col. No. 17-B. About 9 miles east of junction of U.S. Highway 26 and Oregon 216, Wasco County, Oreg. Elevation 3,120 feet.
- 285255.** Col. No. 17-C. About 9 miles east of junction of U.S. Highway 26 and Oregon 216, Wasco County, Oreg. Elevation 3,120 feet.
- 285256.** Col. No. 17-D. About 9 miles east of junction of U.S. Highway 26 and Oregon 216, Wasco County, Oreg. Elevation 3,120 feet.
- 285257.** Col. No. 18. 10.5 miles east of junction of U.S. Highway 26 and Oregon 216. Elevation 2,980 feet.
- 285258.** Col. No. 1860-A. Forest road, Deschutes National Forest map grid 20.22 and 20.21, Oreg. Leaves fine, narrow.
- 285259.** Col. No. 1860-B. Forest road, Deschutes National Forest map grid 20.22 and 20.21, Oreg. Leaves long, narrow.
- 285260.** Col. No. 1860-C. Forest road, Deschutes National Forest map grid 20.22 and 20.21, Oreg. Leaves long, broad.

285261 to 285271. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Germany. Tubers presented by the Max Planck Institute, Scharnhorst, Kreis Neustadt/Rbge. Received Nov. 30, 1962. Numbered Dec. 12, 1962.

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| 285261. NR 44. 335/37. | 285267. NR 53. 3154/119. |
| 285262. NR 44. 1016/24. | 285268. NR 53. 3154/268. |
| 285263. NR 49. 694/2. | 285269. NR 55. 932/49. |
| 285264. NR 50. 170/144 (Advira). | 285270. NR 55. 1014/169. |
| 285265. NR 50. 247/2. | 285271. NR 57. 1995/139. |
| 285266. NR 52. 504/4. | |

285272 and 285273.

From the United States. Seeds collected by L. A. Mullen, Regional Plant Introduction Station, Pullman, Wash. Numbered Dec. 14, 1962.

- 285272.** AGROPYRON INERME (Scribn. & Smith) Rydb. Poaceae.

Beardless wheatgrass.

Native stand 1 mile northwest of Wawawai, near Snake River, Wash. Annual rainfall 14 inches. Deep Julietto soil. Plants vigorous, to 48 inches high; heat tolerant; spring recovery early.

- 285273.** AGROPYRON SPICATUM (Pursh) Scribn. & Smith

Bluebunch wheatgrass.

Native stand 1 mile northwest of Wawawai, near Snake River, Wash. Annual rainfall 14 inches. Deep Julietto soil. Plants vigorous, to 48 inches high; heat tolerant; spring recovery early.

285274. VACCINIUM ARBOREUM Marsh. Vacciniaceae.

From the United States. Seeds collected by Paul Tabor, Soil Conservation Service, Athens, Ga. Received Dec. 14, 1962.

Twenty-two miles north of Athens, between Liberty Church and Hudson River.

285275 and 285276. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. Cauliflower.

From Denmark. Seeds presented by A. Hansen, Kastrup, Amager. Received Dec. 14, 1962.

285275. 'Codania No. 101', 'Tagenshus P. 58'.

285276. 'Garant'.

285277. LAGERSTROEMIA INDICA L. Lythraceae.

Common crapemyrtle.

From the Philippines. Seeds presented by the University of the Philippines, Laguna. Received Dec. 17, 1962.

Plant dwarf.

285278 to 285285. LOTUS CORNICULATUS L. Fabaceae.

Birdsfoot trefoil.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received December 17, 1962.

285278. No. 25495. 'Tygevs kij'. From Estonia.

285279. No. 27113. 'Moskovskij 287'. Moscow region.

285280. No. 27149. 'Kubanskij'. Krasnodar region.

285281. No. 30421. 'Prizkuls kij'. From Latvia.

285282. No. 31562. 'Gelvis'. From Lithuania.

285283. No. 32722. 'Dedinovskiu Metsnyj'. Moscow region.

285284. No. 32871. 'Abhazskij Mestnyj'. From Abhazia.

285285. No. 33217. 'MOS-25'. Moscow region.

285286 to 285288. NICOTIANA TABACUM L. Solanaceae.

From Rhodesia. Seeds presented by the Tobacco Research Board of Rhodesia and Nyasaland, Salisbury. Received December 17, 1962.

285286. 'Canadel'.

285287. 'Kutsuga 51'.

285288. 'Rhomos 7'.

285289. STENOTAPHRUM SECUNDATUM (Walt.) Kuntze Poaceae. St. Augustine grass.

From Costa Rica. Stolons presented by D. J. Hutchison, Research Department, Tela Railroad Company, La Lima, Cortes, Honduras. Received December 19, 1962.

Purple stigma type. From Instituto Inter-Americano de Ciencias Agrícolas, Turrialba, Costa Rica. December 6, 1962.

285290 to 285309.

From the Ivory Coast. Stolons presented by the Institut d'Enseignement et de Recherches Tropicales, Abidjan. Received December 20, 1962.

285290. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.

No. 37.

285290 to 285309—Continued285291. *DIGITARIA* sp. Poaceae.

No. 269.

285292. *MELINIS MINUTIFLORA* Beauv. Poaceae.**Molasses grass.**

No. 57.

285293 to 285301. *PANICUM MAXIMUM* Jacq. Poaceae.**Guineagrass.**

285293. No. 163.

285298. No. 267.

285294. No. 164.

285299. No. 268.

285295. No. 165.

285300. No. 304.

285296. No. 169.

285301. No. 309.

285297. No. 174.

285302. *PASPALUM DILATATUM* Poir. Poaceae.**Dallisgrass.**

No. 423.

285303. *PENNISETUM PURPUREUM* Schum. Poaceae.**Napiergrass.**

No. 431.

285304 to 285309. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard Poaceae.

285304. No. 04. A-14.

285307. No. 302. 122.

285305. No. 05. A-11.

285308. No. 303. 127.

285306. No. 06. A-9.

285309. No. 306. 134.

285310 to 285478.

From Nepal. Seeds collected by John L. Creech and Francis deVos, agricultural explorers, Crops Research Division, Beltsville, Md., and the National Arboretum, Washington, D.C., respectively. Received Dec. 21, 1962.

Collected in the wild during October and November 1962.

285310. *ABIES SPECTABILIS* Lambert ex Spach Pinaceae. **Himalayan fir.**

Col. No. 1188. Mt. Furkai. Elevation 10,000 feet. Tree has pyramidal habitat, to 150 feet high; branches horizontal flat, cones oblong, dark purple.

285311 and 285312. *ACER VILLOSUM* Wall. Aceraceae.

285311. Col. No. 1127. Dry sunny area at edge of rhododendron forest, Mt. Furkai. Elevation 8,000 feet. Tree to 30 feet high; leaves large, with 5 broad lobes; petioles 6 inches long, brownish; samara wings to 2 inches long, directed forward.

285312. Col. No. 1129. Dry sunny location on Mt. Furkai. Elevation 8,700 feet. Tree to 25 feet high; leaves with 5 coarse lobes; petioles 6 inches long; samara with wings to 2.5 inches long, directed forward and overlapping.

285313 to 285315. *ACER CAUDATUM* Wall.

285313. Col. No. 1130. Open, dry area on Mt. Furkai. Elevation 7,000 to 9,000 feet. Tree to 20 feet high; leaves three lobed; petioles and fruit bright red; racemes long, with 10 or more samaras.

285314. Col. No. 1149. Dry maple-rhododendron forest on Mt. Furkai. Elevation 9,500 feet. Tree to 30 feet high; leaves three lobed; petioles and winter buds red; fruit small winged, in long-racemed clusters containing to 10 samaras.

285315. Col. No. 1159. Edge of rhododendron forest on Mt. Furkai. Elevation 10,900 feet. Tree to 15 feet high; leaves three lobed, turning bright yellow; petioles red; fruit brilliant red, in racemes to 8 inches long. Tree selected for its desirable fruiting habit and leaf color.

285310 to 285478—Continued

285316. ACER sp.

Col. No. 1186. In open field at edge of rhododendron forest on Mt. Furkai. Elevation 10,200 feet. Similar to P.I. 285315, but collected in different locality.

285317. ACER sp.

Col. No. 1285. Below Tharepale, near Gosainkund. Elevation 11,000 feet. Small deciduous tree.

285318. AESCULUS INDICA (Royle) Hook. Aesculaceae. **Buckeye.**

Col. No. 1125. Moist slope on Mt. Furkai. Elevation 6,000 feet. Deciduous tree to 50 feet high; leaves digitate, leaflets 7; fruit without spines; nuts dark brown.

285319. ALLIUM sp. Liliaceae.

Col. No. 1144. In open fields, among iris clumps, on Mt. Furkai. Elevation 10,000 feet. Scape to 18 inches high; umbel blackish, flat.

285320. ANEMONE VITIFOLIA Buch.-Ham ex DC. Ranunculaceae. **Grapeleaf anemone.**

Col. No. 1314. Hills around Botanic Garden, Godavari. Elevation 6,000 feet. Rootstock woody; scape branched, many flowered, white.

285321. ARISAEMA sp. Araceae.

Col. No. 1116. Damp, shady field edge, with barberry and rhododendron,, near Ulleri. Elevation 6,500 feet. Tuberous herb; scape to 18 inches high; head, red, many seeded.

285322. ARISAEMA sp.

Col. No. 1119. Cool shady woods, trail between Ulleri and Sikha. Elevation 7,000 feet. Tuberous herb; scape to 12 inches high; fruits red.

285323. COTONEASTER MICROPHYLLA Wall. ex Lindl. Malaceae.

Col. No. 1117. Exposed granite hummocks, trail from Ulleri to Sikha. Elevation 7,900 feet. Dense, decumbent evergreen shrub; leaves ovate to 0.38 inch long; fruit red, ovate, 0.25 inch diameter.

285324. ARISAEMA sp. Araceae.

Col. No. 1220. Open fields above Dana. Elevation 8,500 feet. Tuberous herb to 2 feet high; seed head large, red, showy.

285325. ARISAEMA sp.

Col. No. 1298. Edge of rocky, wooded area near Dhaman. Elevation 8,000 feet. Fruit bright red, pointed.

285326. ARISAEMA sp.

Col. No. 1299. Moist ravine near Dhaman. Elevation 8,000 feet. Fruits red, blunt.

285327. ASPARAGUS sp. Convallariaceae.

Col. No. 1211. Weed along path in Rakhu. Elevation 5,000 feet. Fine, filmy foliage.

285328. ASPARAGUS sp.

Col. No. 1226 Moist cliff along Mardi Khola. Elevation ,700 feet. Filmy foliage on trailing stems to 8 feet long.

285329. DELAMCANDA CHINENSIS Leman Iridaceae.

Col. No. 1207. Open fields between Damdam and Bega. Elevation 6,000 to 8,000 feet. Perennial; foliage irislike; seeds black.

285310 to 285478—Continued

285330. BERBERIS sp.

Col. No. 1137. Open fields, with rose and viburnum, Mt. Furkai. Elevation 10,500 feet. Deciduous shrub to 8 feet high; young shoots bright red, attractive; fruit small, oblong.

285331. BERBERIS sp.

Col. No. 1158. In shade in rhododendron forest on Mt. Furkai. Elevation 8,000 feet. Evergreen shrub; leaves glossy, broad-ovate; fruit black.

285332. BERBERIS CONCINNA Hook. f. Dainty barberry.

Col. No. 1171. Open fields, with roses, on Mt. Furkai. Elevation 10,400 feet. Evergreen shrub to 6 feet high; leaves to 0.75 inches long; spines 0.5 inches long; fruit red, obovate, on red pedicels to 1 inch long.

285333. BERBERIS sp.

Col. No. 1266. Evergreen forest above Mardi Khol. Elevation 8,500 feet. Evergreen shrub; leaves glossy, rugose, broad-ovate; fruit black.

285334. BERBERIS sp.

Col. No. 1301. Dry woods near Dhaman. Elevation 8,200 feet. Low-growing evergreen; leaves resemble *B. julianae*.

285335. PHYLLANTHUS PARVIFOLIUS Buch.-Ham. ex D. Don Euphorbiaceae.

Col. No. 1309. Dry, sunny hillside near Dhaman. Elevation 7,700 feet. Plant small, deciduous; leaves obovate, less than 0.25 inch long; fruit blue.

285336. BERGENIA sp. Saxifragaceae.

Col. No. 1222. Open pasture above Dana. Elevation 9,500 feet. Herb; basal leaves broad-ovate; flowers in a head, yellow.

285337. BETULA sp. Betulaceae.

Col. No. 1176. Open fields on Mt. Furkai. Elevation 11,500 feet. Tree to 40 feet high; bark gray, exfoliating.

285338. EUONYMUS ECHINATUS Wall. Celastraceae.

Col. No. 1250. On tree trunks in dense evergreen forest above Mardi Khola, near Posdi. Elevation 8,200 feet. Semi-vinelike evergreen; leaves alternate, ovate; fruit green when ripe; seeds orange.

285339. CELASTRUS STYLOSUS Wall. Celastraceae.

Col. No. 1295. Climbing on oaks along pathway near Dhaman. Elevation 7,800 feet. Exceptionally colorful, vigorous, deciduous climber; fruit bright orange; aril reddish.

285340 and 285341. CLEMATIS CONNATA DC. Ranunculaceae.

285340. Col. No. 1136. Climbing on rhododendrons and viburnums at edge of forest, Mt. Furkai. Elevation 10,200 feet. Vine; leaves opposite; flowers in leaf axils.

285341. Col. No. 1178. Climbing on viburnums on Mt. Furkai. Elevation 10,800 feet. Vine; leaves opposite. Almost killed by frost.

285342. CLEMATIS sp.

Col. No. 1233. Above Mardi Khola, near Siding. Elevation 8,200 feet. Vine; leaves simple; styles long, silky.

285343. COTONEASTER MICROPHYLLA Wall. ex Lindl. Malaceae.

Col. No. 1135. Open sunny, dry slopes of Mt. Furkai. Elevation 10,200 feet. Plant dense, twiggy; leaves 0.5 inch long.

285344. COTONEASTER ROTUNDIFOLIA Wall. ex Lindl.

Col. No. 1267. Open, grassy plateau above Mardi Khola. Elevation 10,000 feet. Plant upright, to 2.5 feet high, semi-evergreen; leaves rotund; fruit ovate, red.

285310 to 285478—Continued

285345. *DAPHNE PAPHYRACEA* Wall. ex Steud. Thymelaeaceae.

Col. No. 1236. Mixed Rhododendron-bamboo forest above Mardi Khola. Elevation 8,500 feet. Evergreen shrub; flowers small, white, fragrant.

285346. *DAPHNIPHYLLUM HIMALAYENSE* Muell.-Arg. Euphorbiaceae.

Col. No. 1224. Ridge along the Mardi Khola, near Siding. Elevation 5,300 feet. Tree to 15 feet high; leaves alternate, ovate, glaucous beneath; petioles, bright red; fruits purple red, in racemes, one seeded; seeds black.

285347. *DATURA METEL* L. Solanaceae.

Col. No. 1194. Dry sandy site along Kali Gandaki River. Elevation 3,300 feet. Flowers large, purple.

285348. *DELPHINIUM ALTISSIMUM* Wall. Ranunculaceae.

Col. No. 1280. Moist, shady site above Godavari. Elevation 7,700 feet. Herb to 3 feet high; flowers purple.

285349. *DELPHINIUM* sp.

Col. No. 1300. Dry woods near Dhaman. Elevation 8,200 feet. Herb to 3 feet high; flowers purple.

285350. *DICHLROA FEBRIFUGA* Lour. Saxifragaceae.

Col. No. 1218. Moist, shady streambed along path near Daurali. Elevation 4,800 feet. Subshrub; leaves opposite; fruit intense blue, in broad panicles.

285351. *DIOSCOREA* sp. Dioscoreaceae.

Col. No. 1115. Entwined in shrubbery along streambed between Ulleri and Barithadi. Elevation 4,600 feet. Vine with aerial tubers; seed capsule oblong, one inch long.

285352. *EUONYMUS GRANDIFLORUS* Wall. ex Roxb. Celastraceae.

Col. No. 1315. Moist area near stream, vicinity of Botanic Garden, Godavari. Elevation 5,000 feet. Shrub or tree to 20 feet high.

285353. *EUONYMUS THEIFOLIUS* Wall.

Col. No. 1140. Edge of rhododendron forest, Mt. Furkai. Elevation 9,500 feet. Evergreen tree; leaves opposite, entire; fruits brownish, 3 to 5 seeded; seeds orange.

285354. *EUONYMUS BULLATUS* Wall.

Col. No. 1274. Along streambed, Godavari. Elevation 5,600 feet. Deciduous tree to 20 feet high; leaves broad, ovate, entire; fruit in profusion, pinkish red.

285355. *EUONYMUS THEIFOLIUS* Wall.

Col. No. 1294. On Rajpath near Dhaman. Elevation 8,200 feet. Evergreen tree to 20 feet high; leaves ovate, 4 inches long, 1 inch wide; fruit to 0.5 inch diameter, showy; seeds bright orange.

285356. *FRAXINUS FLORIBUNDA* Wall. ex Roxb. Oleaceae. Ash.

Col. No. 1286. Godavari. Elevation 5,000 feet. Deciduous tree to 100 feet high; leaflets 7 to 9; flowers showy; often planted in rest areas.

285357. *GAULTHERIA FRAGRANTISSIMA* Wall. Ericaceae.

Col. No. 1308. Open, dry hillside near Dhaman. Elevation 7,700 feet. Shrub to 6 inches high; stems 3 angled; leaves ovate, coriaceous; fruit bright blue.

285358. *HOLBOELLIA LATIFOLIA* Wall. Lardizabalaceae.

Col. No. 1201. Open fields in pass between Damdam and Bega. Elevation 7,300 feet. Vine; leaves digital, 5 clustered; fruit large ovate pod; seeds black, numerous.

285310 to 285478—Continued

285359. HORDEUM sp. Poaceae.

Col. No. 1128. Sown as winter crop on slopes of Mt. Furkai. Elevation 7,500 feet. Grown and harvested annually in area.

285360 and 285361. HYDRANGEA ASPERA Buch.-Ham. ex D. Don Hydrangeaceae.

285360. Col. No. 1189. Open fields on Mt. Furkai. Elevation 9,000 to 10,000 feet. Large shrub; flowers not seen.

285361. Col. No. 1273. Along path above Godavari. Elevation 6,500 feet. Shrub; flowers in panicles, white with dark blue sterile florets around rim.

285362. HYPERICUM OBLONGIFOLIUM Choisy Hypericaceae.

Col. No. 1200. Sunny path between Damdam and Bega. Elevation 7,500 feet. Shrub to 3 feet high; leaves opposite, ovate lanceolate; flowers yellow; capsules reddish brown.

285363. HYPERICUM PATULUM Thunb.

Col. No. 1235. Sunny ravine above Mardi Khola. Elevation 6,500 feet. Shrub to 4 feet high; leaves opposite, broad lanceolate; flowers yellow.

285364. HYPERICUM CERNEUM Roxb.

Col. No. 1310. Dry woodland above Dhaman. Elevation 8,000 feet. Shrub to 3 feet high; leaves large, lanceolate.

285365. ILEX EXCELSA Wall. Aquifoliaceae.

Col. No. 1272. Along streambed above Godavari. Elevation 6,000 feet. Evergreen tree to 30 feet high; leaves elliptic, entire; fruit small, in dense clusters, red; similar to *I. rotunda*.

285366. IRIS sp. Iridaceae.

Col. No. 1132. Open sunny slopes of Mt. Furkai. Elevation 9,400 feet. Herb; spike to 2 feet high; fruiting.

285367. IRIS sp.

Col. No. 1164. Open dry slopes of Mt. Furkai. Elevation 11,500 feet. Foliage dead; pods triangular.

285368. JUGLANS sp. Juglandaceae.

Col. No. 1210. From an unnamed farm community at 4,000 feet elevation, near Rakhu. Cultivated walnut.

285369. LAGERSTROEMIA INDICA L. Lythraceae. **Common crapemyrtle.**

Col. No. 1269. Along path above Siding, near Mardi Khola. Elevation 3,000 feet. Small tree; leaves alternate; fruit a terminal capsule.

285370. CLERODENDRUM sp. Verbenaceae.

Col. No. 1212. Along path in Rakhu. Elevation 5,000 feet. Shrub to 8 feet high; leaves opposite, ovate, dentate; flowers axillary, in cymes, magenta, bracts purple.

285371 and 286372. LIGUSTRUM NEPALENSE Roxb. Oleaceae. **Nepal privet.**

285371. Col. No. 1293. Along streambed near Dhaman on Rajpath. Elevation 8,200 feet. Evergreen tree to 30 feet high; fruit to about 0.5 inch diameter, abundant.

285372. Col. No. 1249. On posdi, above Mardi Khola. Elevation 8,400 feet. Plant evergreen; leaves narrow lanceolate; fruit purple, on terminal racemes.

285373. LILIUM NEPALENSE D. Don Liliaceae.

Lily.

Col. No. 1307. Dry, rocky hillside near Dhaman. Elevation 7,700 feet. Plants dormant.

285310 to 285478—Continued

285374 and 285375. *LIRIOPE SPICATA* Lour. Liliaceae.

285374. Col. No. 1139. Moist rhododendron forest ravine on Mt. Furkai. Elevation 9,000 to 10,000 feet. Plants to 18 inches high; fruit bright blue.

285375. Col. No. 1312. Moist, shady ravine above Dhaman. Elevation 8,000 feet. Ground cover with bright blue berries.

295376. *LOBELIA* sp. Campanulaceae.

Col. No. 1290. Godavari roadside. Elevation 6,000 feet. Plant 6 feet high; flowers purple; said to have medicinal value.

285377. *LONICERA GLABRATA* Wall. ex Roxb. Caprifoliaceae.

Col. No. 1204. Dry, sunny slope, between Damdam and Bega. Elevation 8,000 feet. Evergreen; leaves elliptic, ovate; flowers in axillary clusters, ivory to yellow; fruit black.

285378. *LUNARIA* sp. Brassicaceae.

Col. No. 1190. Among grass on cliff sides on Mt. Furkai. Elevation 11,000 feet.

285379. *LYONIA OVALIFOLIA* (Wall.) Drude Ericaceae.

Col. No. 1167. Open fields on Mt. Furkai. Elevation 11,000 feet. Deciduous shrub to 6 feet high; leaves ovate, autumnal coloration red; fruit in racemes.

285380. *MAESA* sp. Myrsinaceae.

Col. No. 1265. In dense woods above Mardi Khola. Elevation 8,300 feet. Evergreen shrub; leaves alternate, ovate; fruit in terminal clusters, black.

285381. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.

Col. No. 1253. Moist area in evergreen forest above Mardi Khola. Elevation 7,500 to 8,300 feet. Deciduous, open-headed tree to 60 feet high; leaves to 12 inches long; pods thin, long; seeds red, in pairs.

285382. *MALUS* sp. Malaceae.

Col. No. 1122. Dry, exposed slopes of Mt. Furkai. Elevation 8,500 feet. Upright tree to 40 feet high; fruit 0.5 inch diameter, warty.

285383. *MANGLIETIA INSIGNIS* Blume Magnoliaceae.

Col. No. 1288. Along streambed, Godavari. Elevation 5,000 feet. Tall evergreen. Selected for good rose-colored flowers.

285384. *MICHELIA CHAMPACA* L. Magnoliaceae.

Champac.

Col. No. 1284. Godavari. Elevation 5,000 feet. Evergreen tree related to the magnolia. Flowers 2 inches diameter, pale yellow or orange, fragrant.

285385. *BISWAREA TONGLENSIS* Cogn. Cucurbitaceae.

Col. No. 1556. Growing on maple, Mt. Furkai. Elevation 8,500 feet. Vine, climbing with tendrils; leaves sagittate, to 4 inches long; flowers yellow, fruit rough, pithy, 3 sectioned; seeds oblong, sculptured to 8 per fruit.

285386. *MOMORDICA* sp. Cucurbitaceae.

Col. No. 1209. Between Damdam and Bega. Plants cultivated; pods to 3 inches long, conical, seeds black, sculptured.

285387. *PARIS POLYPHYLLA* Smith in Rees Convallariaceae.

Col. No. 1206. Moist shaded woods between Damdam and Bega. Herb with cormlike roots; seeds red in terminal pods.

285388. *PARIS POLYPHYLLA* Smith in Rees

Col. No. 1261. Dense evergreen forest above Mardi Khola. Elevation 9,000 feet. Herb; leaves 5, in adnate whorl; capsule greenish orange; fruit interior bright red.

285310 to 285478—Continued

285389. *PHOTINA* sp. Malaceae.

Col. No. 1121. Dry exposed slopes of Mt. Furkai. Elevation 8,500 feet. Tree to 18 feet high; leaves alternate, entire, ovate; fruit in terminal clusters, red, 2 or 3 seeded.

285390. *PHOTINIA* sp.

Col. No. 1264. Edge of meadow above Mardi Khola. Elevation 10,000 feet. Tree to 30 feet high; leaves alternate, entire broad ovate; fruits in large corymbs, red.

285391. *PHYLLANTHUS PARVIFOLIUS* Buch.-Ham. ex D. Don Euphorbiaceae.

Col. No. 1283. Pokhara. Small ornamental tree; leaves pinnate; fruit a drupe, greenish yellow.

285392. *PIERIS FORMOSA* (Wall.) D. Don Ericaceae.

Col. No. 1292. Rajpath, near Dhaman. Elevation 7,700 feet. Evergreen shrub to 12 feet high; leaves 4 by 1.5 inches, acuminate, attenuate at base; fruit in compound racemes.

285393. *PIERIS FORMOSA* (Wall.) d. Don

Col. No. 1155. In rhododendron forest on Mt. Furkai. Elevation 8,200 feet. Tall shrub; leaves ovate lanceolate, to 4 inches long.

285394. *PIPTANTHUS NEPALENSIS* (Hook.) Sweet Fabaceae.

Col. No. 1191. Usually in open, sunny places on Mt. Furkai. Shrub or tree to 10 feet high, probably evergreen; flowers yellow; pods to 4 inches long; flattened, seeds greenish color.

285395. *POLYGONUM* sp. Polygonaceae.

Col. No. 1174. Sunny slopes of Mt. Furkai. Elevation 11,000 feet. Herb; leaves opposite; flowers mixed, pink and white. Of little ornamental value.

285396. *POLYGONUM CHINENSE* L.

Fleeceflower.

Col. No. 1278. Roadside above Godavari. Elevation 7,800 feet. Herb to 4 feet high; flowers with white corolla, red calyx; seeds black, very colorful.

285397. *PORANA GRANDIFLORA* Wall. Convolvulaceae.

Col. No. 1279. Moist hillside above Godavari. Elevation 7,700 feet. Flowers purple; seeds single.

285398. *PORANA RACEMOSA* Roxb.

Snow creeper.

Col. No. 1317. Hills around Godavari. Vine.

285399. *PRUNUS CERASOIDES* D. Don Amygdalaceae.

Sikkim cherry.

Col. No. 1289. Hillsides at Godavari. Elevation 5,000 feet. Winter-flowering cherry; flowers bright pink; young foliage reddish brown. Seeds collected in July by G. Herklots, Royal Botanic Garden, Godavari.

285400. *PRUNUS* sp. Amygdalaceae.

Col. No. 1160. Open, dry fields, mixed with roses, rhododendrons and willows, atop Mt. Furkai. Elevation 11,500 feet. Tree to 30 feet high; fruit black, ovate, on three-inch pedicels.

285401. *PYRACANTHA CRENULATA* (D. Don) Roemer Rosaceae

Nepal firethorn.

Col. No. 1196. Open, dry fields in pass between Damdam and Bega. Elevation 8,100 feet. Dense, thorny, upright, evergreen shrub; leaves oblong; fruits in clusters, red.

285402. *PYRUS PASHIA* Buch.-Ham. ex D. Don Malaceae.

Pashi pear.

Col. No. 1297. Along streambed near Dhaman. Elevation 8,000 feet. Flowering mid-November; fruit round, to 1-inch diameter, usually single mature seed.

285310 to 285478—Continued

285403. QUERCUS GLAUCA Thunb. Fagaceae. **Blue Japanese oak.**

Col. No. 1275. Hill above Godavari. Evergreen tree; leaves narrow, ovate, coarse bristle toothed; cup small, covering a quarter of the acorn; acorn oblong.

285404. QUERCUS LAMELLOSA Sm.

Col. No. 1248. Evergreen forest on moist hillside near Siding, above Mardi Khola. Elevation 7,500 feet. Evergreen tree to 60 feet high; leaves simple, coarsely serrate; cup with concentric rings nearly encloses the acorn.

285405. QUERCUS sp.

Col. No. 1276. Godavari. Elevation 5,500 feet. Evergreen tree.

285406. RHODODENDRON ARBOREUM J. E. Smith Ericaceae.

Tree rhododendron.

Col. No. 1141. Edge of fir forest, Mt. Furkai. Tree to 60 feet high; bark red; flowers red to pink.

285407. RHODODENDRON LEPIDOTUM Wall.

Col. No. 1134. Dry, sunny slopes, Mt. Furkai. Elevation 10,200 feet. Plants to 12 inches high; leaves turn crimson; flowers purple.

285408. RHODODENDRON CAMPANULATUM D. Don

Col. No. 1165. Open pasture, Mt. Furkai. Shrubby species; buds red, without hair or glands; leaves ovate, heavy tomentum beneath.

285409. RHODODENDRON BARBATUM Wall.

Col. No. 1168. Rhododendron forest, Mt. Furkai, mixed with maples, mountain ash and firs. Elevation 10,600 feet. Stems red; leaves without tomentum; buds sticky.

285410. RHODODENDRON CAMPANULATUM D. Don

Col. No. 1169. Rhododendron forest, Mt. Furkai, mixed with maples, mountain ash and firs. Shrubby species; buds red, without hairs or glands; leaves with heavy tomentum beneath.

285411. RHODODENDRON sp.

Col. No. 1313. Dry hillside near Dhaman. Elevation 7,700 feet. Plants to 20 feet high; leaves with whitish tomentum beneath.

285412. RICINUS COMMUNIS L. Euphorbiaceae.

Castorbean.

Col. No. 1208. Dry, sandy or rocky sites along the Kali Gandaki River. Elevation 3,000 feet. Plant woody, to 8 feet high.

285413. ROSA sp. Rosaceae.

Col. No. 1142. Mixed with barberry in dry, sunny open fields, Mt. Furkai. Elevation 10,200 feet. Soil heavy. Shrub to 8 feet high; hips large, orange, fleshy. Rather rare in locality.

285414. ROSA sp.

Col. No. 1143. Widely scattered, mixed with barberry, open fields and pastures, Mt. Furkai. Elevation 10,000 feet. Plant to 8 feet high; thorns large, reddish; hips 0.75 inch long, hard, red.

285415. ROSA MOSCHATA subsp. BRUNONII (Lindl.) Herr.

Col. No. 1203. Dry sunny sites, open fields between Damdam and Bega. Elevation 7,600 feet. Leaflets 7 to 9; hips red, small.

285416. RUBUS sp. Rosaceae.

Col. No. 1151. Along streambed in moist ravine, Mt. Furkai. Elevation 8,000 feet. Large vine; leaves entire.

285310 to 285478—Continued**285417. RUBUS FOCKEANUS** S. Kurz

Col. No. 1152. In moss along streambed, Mt. Furkai. Elevation 8,000 feet. Small, prostrate runner grows as ground cover; leaves trifoliate.

285418. RUBUS ASSAMENSIS Focke

Col. No. 1251. Evergreen forest above Mardi Khola. Elevation 8,500 feet. Shrub to 15 feet high; leaves coarse, ovate, spines on midrib; fruit red, turning black.

285419. RUBUS sp.

Col. No. 1281. Above Godavari. Elevation 6,500 feet. Plant rampant; fruits red.

285420. SALIX sp. Salicaceae.

Col. No. 1162. Grassland, Mt. Furkai. Elevation 11,500 feet. Plants to 10 inches high; young stems red, older stems yellow.

285421. SALIX sp.

Col. No. 1163. Open fields, Mt. Furkai. Elevation 11,500 feet. Plants to 10 feet high; twigs grey, pubescence brilliant in sunlight.

285422. SOLANUM sp. Solanaceae.

Col. No. 1318. Along streambed near Godavari. Elevation 6,800 feet. Plant bushy; leaves thorny; fruits to 1.5 inches diameter, yellow.

285423. SORBUS FOLIOLOSA (Wall.) Spach Malaceae.

Col. No. 1170. Rhododendron forest, Mt. Furkai. Elevation 10,200 feet. Tree to 20 feet high; leaves pinnate; fruits white, in terminal clusters.

285424. SORBUS sp.

Col. No. 1173. Open, sunny field, with rhododendrons, roses, cherries and willows, Mt. Furkai. Elevation 11,500 feet. Fruit pale pink, in terminal clusters.

285425. SPIRAEA JAPONICA var. *HIMALAICA* Kitamura Rosaceae.

Col. No. 1161. Open fields, Mt. Furkai. Elevation 10,900 feet. Shrub to 6 feet high.

285426. COTONEASTER ACUMINATA Lindl. Malaceae.

Col. No. 1131. Dry slope, sunny forest edge, Mt. Furkai. Elevation 9,250 feet. Evergreen shrub to 10 feet high, leaves alternate, narrow elliptic; fruit obovate, on short, bright red spurs, 2 seeded.

285427. SYMPLOCOS RAMOSISSIMA Wall. ex DC. Symplocaceae.

Col. No. 1198. Semishady moist forest, pass between Damdam and Bega. Elevation 7,900 feet. Evergreen to 20 feet high; leaves alternate, ovate; fruit axillary, blue.

285428. TRICHOSANTHES PALMATA Roxb. Cucurbitaceae.

Col. No. 1237. On trees above Mardi Khola. Elevation 5,600 feet. Vine, cucurbitlike, with tendrils; fruit a bright red gourd; skin smooth; flesh yellow; seeds numerous, covered with greenish webbing. Ornamental.

285429. TRICHOSANTHES sp.

Col. No. 1214. Over roadside shrubs along Kali Gandaki River. Elevation 9,800 feet. Vine; leaves deeply 3 cleft; fruit round, striped, to 1-inch diameter.

285430. VIBURNUM sp. Caprifoliaceae.

Col. No. 1114. Along granite slopes of small stream, with mahonia, bamboo and evergreen oaks, at base of Ulleri. Elevation 4,600 feet. Shrub to 8 feet high; leaves opposite, coarse; fruits in terminal corymbs, red.

285310 to 285478—Continued

285431. *VIBURNUM* sp.

Col. No. 1124. Dry, exposed slopes, Mt. Furkai. Elevation 8,500 feet. Shrub or small tree to 10 feet high; leaves opposite; petioles red; fruit red, turning black, obovate, on short pedicels.

285432. *VIBURNUM* sp.

Col. No. 1133. In rhododendron forest with firs, on Mt. Furkai. Elevation 9,500 feet. Large shrub; leaves cordate, turning red, fruit in panicle, large, ovate, red, turning black.

285433. *VIBURNUM* sp.

Col. No. 1147. Edge of rhododendron forest, Mt. Furkai. Elevation 9,500 feet. Tree to 12 feet high; leaves about 2 inches long, ovate, coarse dentate; fruit crimson, on short pedicels.

285434. *VIBURNUM* sp. Caprifoliaceae.

Col. No. 1148. Edge of forest, Mt. Furkai. Elevation 9,500 feet. Tree to 15 feet high, branching distinctly upright; leaves broad ovate, to 2 inches long, coarse dentate; fruit oblong, dark red.

285435. *VIBURNUM* sp.

Col. No. 1175. Mt. Furkai in open field, dry location. Elevation 11,000 feet. Plant to 12 feet high, vigorous; fruit oblong, black.

285436. *VIBURNUM* sp. Caprifoliaceae.

Col. No. 1205. Dry, sunny, open field between Damdam and Bega. Elevation 8,100 feet. Shrub to 8 feet high; leaves elliptic, ovate, acuminate, dentate, pubescent on both sides; fruit cymose, red, small.

285437. *VIBURNUM* sp.

Col. No. 1296. Along streambed near Dhaman. Elevation 8,000 feet. Small deciduous tree; fruit in panicles, red.

285438. *ZIZYPHUS GLABRA* Roxb. Rhamnaceae.

Col. No. 1195. Dry, sandy river bed along Kali Gandaki River. Elevation 3,300 feet. Thorny, evergreen shrub to 3 feet high; fruit round, reddish yellow, edible.

285439. *HERACLEUM CANDICANS* DC. Apiaceae.

Col. No. 1118. Highest point in rhododendron forest, trail from Ulleri to Sikha. Elevation 9,000 feet. Herb to 4 feet high; umbel large.

285440. *ZANTHOXYLUM ALATUM* Roxb. Rutaceae.

Col. No. 1120. 'Timbur'. Dry, sunny slopes of Kali Gandaki River. Elevation 4,400 feet. Evergreen shrub; leaves compound, 5 to 7 pinnate; rachis winged; thorns in pairs; fruit on axillary racemes, red, highly aromatic. Used locally in chutney; boiled, crushed fruits used as cold remedy.

285441. (Undetermined.) Apiaceae.

Col. No. 1123. Open dry slopes, Mt. Furkai. Herb; flower stalks to 5 feet high, umbels to 12 inches across.

285442. *CAREX NUBIGENA* D. Don Cyperaceae.

Col. No. 1138. Grazing pasture, Mt. Furkai. Elevation 10,200 feet. Grass to 12 inches high; blades narrow, fescuelike. Dominant species; tends to lodge.

285443. (Undetermined.) Apiaceae.

Col. No. 1145. Open field, Mt. Furkai. Elevation 10,300 feet. Herb with flower stalks to 3 feet; seeds in small dense umbels.

285310 to 285478—Continued

285444. *SARCOCOCCA HOOKERIANA* Baill. Buxaceae.

Col. No. 1153. In rhododendron forest, Mt. Furkai. Elevation 6,000 to 8,000 feet. Evergreen subshrub; leaves lanceolate to ovate; flowers axillary; fruits reddish or black, 2 seeded.

285445. *ILEX DIPYRENA* Wall. Aquifoliaceae. **Himalaya holly.**

Col. No. 1154. In forest with rhododendrons, Mt. Furkai. Elevation 8,500 feet. Hollylike tree to 25 feet high; leaves alternate, ovate, with spines in juvenile form and entire in adult form; fruits greenish red, in axillary clusters, 2 seeded.

285446. *GAULTHERIA TRICHOPHYLLA* Royle Ericaceae.

Col. No. 1166. Sunny, rocky slopes, Mt. Furkai. Elevation 10,000 feet. Ground cover; leaves lustrous, about 0.5 inch long, oblong; fruit a berry, azure blue; seeds numerous.

285447. *RIBES RUBRUM* L. Grossulariaceae.

Col. No. 1172. With birch and maple on Mt. Furkai. Elevation 10,600 feet. Tree to 20 feet high; leaves alternate, somewhat triangular; fruits in racemes, 2 seeded.

285448. (Undetermined.) Apiaceae.

Col. No. 1177. Open rocky cliffs, Mt. Furkai. Elevation 11,000 feet.

285449. *AGROSTIS NERVOSA* Nees ex Trin. Poaceae.

Col. No. 1179. Dry, open, rocky, mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285450. (Undetermined.) Poaceae.

Col. No. 1180. Dry, open, rock, mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285451. (Undetermined.) Poaceae.

Col. No. 1181. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285452. (Undetermined.) Poaceae.

Col. No. 1182. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285453. *CAREX NUBIGENA* D. Don Cyperaceae.

Col. No. 1183. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285454. *BROMUS JAPONICUS* Thunb. Poaceae.

Col. No. 1184. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285455. (Undetermined.) Poaceae.

Col. No. 1185. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285456. (Undetermined.)

Col. No. 1187. Moist places, Mt. Furkai. Herb roots used as medicine; powder is applied to wounds to eradicate worms.

285457. *DOBINEA VULGARIS* Buch.-Ham. ex D. Don Anacardiaceae.

Col. No. 1192. Moist ravine along Kali Gandaki River. Elevation 3,300 feet. Outstanding ornamental subshrub; leaves opposite; fruit in large terminal panicles; seeds with large, white wings.

285310 to 285478—Continued

285458. *LITSEA LANUGINOSA* Nees Lauraceae.

Col. No. 1193. Rhododendron forest above Dana. Elevation 7,000 feet. Broadleaf evergreen tree to 40 feet high; leaves alternate, narrow, ovate; fruits red, borne singly on pedicels about 1 inch long.

285459. *SARCOCOCCA SALIGNA* (D. Don) Mull.-Arg. Buxaceae.

Col. No. 1197. Open, dry fields, pass between Damdam and Bega. Elevation 7,800 feet. Evergreen shrub to 6 feet high; leaves alternate, lanceolate; flowers monoecious, axillary, yellowish; fruits red.

285460. *GAULTHERIA NUMMULAROIDES* D. Don Ericaceae.

Col. No. 1199. Moist, rocky area, pass between Damdam and Bega. Elevation 8,000 feet. Ground cover; stems and leaves covered with red hairs; leaves alternate, ovate; fruit black.

285461. *POLYGALA ARILLATA* Buch.-Ham. ex D. Don Polygalaceae.

Col. No. 1202. Open fields between Damdam and Bega. Elevation 7,300 feet. Shrub to 6 feet high; leaves alternate, acuminate, entire; flowers in terminal raceme; fruit bivalve, purple, with orange nectary; seeds black.

285462. *THEVETIA PERUVIANA* (Pers.) Merrill Apocynaceae.

Col. No. 1213. Along Kali Gandaki River near Beni. Elevation 3,000 feet. Evergreen tree to 15 feet high; leaves alternate, lanceolate; flowers terminal, yellow, single; fruit ovate, containing 3 triangular nuts. Sap milky white. Used topically on wounds.

285463. *PROBOSCIDEA* sp. Martyniaceae.

Col. No. 1215. Dry, sandy area along Kali Gandaki River. Elevation 2,800 feet. Subshrub to 4 feet high; leaves alternate, broad-ovate, pubescent; flowers pale purple with dark purple markings; seed pods hard, nutlike, with two terminal hooks.

285464. *RHAMNUS PURPUREA* Edgew. Rhamnaceae.

Col. No. 1216. Dry, sandy area along Kali Gandaki River. Elevation 2,800 feet. Dioecious tree to 20 feet high; bark corky; leaves alternate; ovate, with stipules; fruits in clusters, black, 3 seeded.

285465. (Undetermined.) Poaceae.

Col. No. 1217. Dry, sandy area along Kali Gandaki River. A low-growing potential turf grass for warm, humid regions. Seed stalks have "cotony" attachment to seeds.

285466. (Undetermined.)

Col. No. 1223. In open fields with roses and barberry above Mardi Khola. Elevation 10,800 feet. Bulbous plants to 3 feet high; foliage lilylike; fruits axillary, red.

285467. (Undetermined.)

Col. No. 1225. Shady stone cliffs along Mardi Khola, near Siding. Elevation 4,700 feet. Herb; foliage stalks to 3 feet high; flowers basal, brilliant orange; ovary fleshy, 3 parted, several to a cluster; seeds borne on adnate column, white.

285468. *MYRSINE SEMISERRATA* Wall. Myrsinaceae.

Col. No. 1232. Evergreen forest above Mardi Khola. Elevation 6,900 feet. Shrub to 8 feet high; leaves alternate, narrow elliptic; fruits clustered along stems, lavender, turning blue.

285469. *ILEX* sp. Aquifoliaceae.

Col. No. 1234. Rhododendron forest above Mardi Khola. Elevation 8,000 feet. Hollylike plant; foliage typical for *Ilex*, fruit red.

285310 to 285478—Continued

285470. *PRUNUS NAPAULENSIS* (Seringe) Steud. Amygdalaceae.

Col. No. 1247. Moist, rocky areas in forest, near Marchhapuchhare. Elevation 7,000 feet. Tree to 40 feet high; leaves alternate, elliptic, serrate; fruit a drupe, purple.

285471. *LITSEA LANUGINOSA* Nees Lauraceae.

Col. No. 1252. Evergreen forest above Mardi Khola. Elevation 7,200 feet. Evergreen tree to 60 feet high; leaves simple, ovate, entire; fruit a drupe or single-seeded berry, black.

285472. (Undetermined.)

Col. No. 1260. Dense forest above Mardi Khola. Elevation 9,000 feet. Evergreen tree to 30 feet high; leaves opposite, somewhat rugose; fruit large, pale red; seeds orange.

285473. *FICUS* sp. Moraceae.

Col. No. 1268. Along path near Pokhara. Small evergreen tree; leaves alternate, lanceolate, coriaceous; fruit solitary, axillary, black, multiseeded. Cultivated for cattle feed.

285474. *GREWIA OPPOSITIFOLIA* Buch.-Ham. ex Roxb. Tiliaceae.

Col. No. 1270. Along Mardi Khola, near Pokhara. Elevation 3,000 feet. Small tree; leaves alternate, broad ovate, coriaceous; fruit 4 parted, terminal.

285475. *MYRSINE SEMISERRATA* Wall. Myrsinaceae.

Col. No. 1277. Along moist streambed above Godavari. Elevation 5,800 feet. Tree to 12 feet high; leaves narrow, elliptic, acuminate, finely toothed; fruits 0.25 inch diameter, lavender, in clusters of 1 to 3.

285476. (Undetermined.)

Col. No. 1282. Along path at Godavari. Elevation 6,500 to 7,000 feet. Leguminous vine; leaves pealike, in 3's.

285477. *VIBURNUM CORIACEUM* Blume

Col. No. 1311. Dry, woody slopes, Dhaman. Elevation 7,700 feet. Evergreen shrub; leaves opposite; petioles reddish; fruits in a corymb, small, blue.

285478. *PAROCHETUS COMMUNIS* Buch.-Ham. Fabaceae.

Col. No. 1316. 'Blue Pea'. Seen in moist areas in wild. Seeds from a cultivated plant in Botanical Garden at Godavari.

285479 to 285515.

From Nepal. Plants and cuttings collected by J. L. Creech and F. deVos, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. and the National Arboretum, Washington, D.C., respectively. Received December 21, 1962. Collected in the wild during October and November 1962.

285479. *AERIDES MULTIFLORUM* Roxb. Orchidaceae. **Orchid.**

Col. No. 1320. Godavari. Elevation 5,000 feet. Plant stout; stems to 10 inches long; flowers to 1 inch in diameter, purple, spotted.

285480. *CALANTHE PLANTAGINEA* Lindl. Orchidaceae. **Orchid.**

Col. No. 1331. Along streambed above Godavari. Elevation 7,000 feet. Terrestrial.

285481. *CIRRHOPE TALUM* sp. Orchidaceae.

Col. No. 1330. On rhododendrons on hillside above Dhaman. Elevation 8,500 feet. Small epiphyte; flowers yellow.

285479 to 285515—Continued

285482 and 285483. *COELOGYNE CORYMBOSA* Lindl. Orchidaceae. **Orchid.**

285482. Col. No. 1259. On trees in damp forest above Mardi Khola. Elevation 8,000 feet. Epiphyte, leaves broad, basal. Plants growing at 33° F.

285483. Col. No. 1332. On rocks and trees above Godavari. Elevation 7,500 feet. Epiphyte.

285484. *COELOGYNE CRISTATA* Lindl. **Orchid.**

Col. No. 1323. On oaks, on hillside above Godavari. Elevation 8,000 feet. Epiphyte; flowers white, very handsome. Highly esteemed by Nepalese as offering to their gods.

285485. *COELOGYNE FLACCIDA* Lindl. **Orchid.**

Col. No. 1321. Presented by G. Herklots, Royal Botanic Garden, Godavari. Elevation 6,500 feet.

285486. *COELOGYNE OCHRACEA* Lindl. **Orchid.**

Col. No. 1322. Hills above Godavari. Elevation 8,000 feet. Epiphyte.

285487. *CYMBIDIUM LONGIFOLIUM* D. Don Orchidaceae. **Orchid.**

Col. No. 1329. Growing on rocks and trees on hillside above Godavari. Elevation 8,000 feet. Epiphyte.

285488. *DENDROBIUM AMOENUM* Wall. ex Lindl. Orchidaceae. **Orchid.**

Col. No. 1324. On oaks, Godavari. Elevation 6,500 feet. Epiphyte.

285489. *DENDROBIUM CREPIDATUM* Lindl. **Orchid.**

Col. No. 1325. On oaks, Godavari. Elevation 6,500 feet. Epiphyte.

285490. *DENDROBIUM DENNEANUM* Kerr. **Orchid.**

Col. No. 1326. Presented by G. Herklots, Royal Botanic Garden, Godavari. Elevation 6,400 feet. Epiphyte.

285491. *DENDROBIUM DENSIFLORUM* Wall. **Orchid.**

Col. No. 1327. Hillside above Godavari. Elevation 8,000 feet. Epiphyte.

285492. *DENDROBIUM TRANSPARENS* Wall. **Orchid.**

Col. No. 1328. On rocks and trees above Godavari. Epiphyte.

285493. *DENDROBIUM* sp.

Col. No. 1306. Dry location, on rocks near Dhaman. Elevation 7,700 feet. Flowers cream colored.

285494. *GASTROCHILUS ACUTIFOLIUS* Hallier f. Zingiberaceae.

Col. No. 1333. Along streambed on hillside above Godavari. Elevation 7,000 feet. Stemless perennial; flowers in spikes; corolla white.

285495 and 285496. *HEDERA NEPALENSIS* K. Koch Araliaceae.

Himalayan ivy.

285495. Col. No. 1263. On trees in dense forest above Mardi Khola. Elevation 8,200 feet. Adult form. (Cuttings).

285496. Col. No. 1302. On oak trees and moist rocks, in shade, near Dhaman. Elevation 8,000 feet. Leaves deeply cleft, central lobe extremely long and narrow.

285497. *HYDRANGEA* sp. Hydrangeaceae.

Col. No. 1319. With *Hedera* on rocks in moist forest, Dhaman. Elevation 8,500 feet. Plants small, creeping.

285479 to 285515—Continued

285498. *LILIUM NEPALENSE* D. Don Liliaceae. **Lily.**

Col. No. 1287. Godavari. Flowers red with maroon center.

285499. *LUCULIA GRATISSIMA* (Wall.) Sweet Rubiaceae.

Col. No. 1271. Cliff faces, shaded areas of Mardi Khola. Elevation 4,300 feet to 5,300 feet. Shrub; leaves opposite, ovate to elliptic, entire; flowers in terminal panicles, bright pink.

285500. *ASPLENium UNILATERALE* Lam. Polypodiaceae. **Fern.**

Col. No. 1254. Growing on face of rocks in moist, shady forest above Mardi Khola. Elevation 7,500 feet. Plant small; fronds to 6 inches long.

285501. *OSMANTHUS SUAVIS* C. B. Clarke Oleaceae.

Col. No. 1262. Along path in dense forest above Mardi Khola. Elevation 8,500 feet. Small evergreen shrub; leaves opposite, narrow, ovate, serrate.

285502 and 285503. *PLEIONE HUMILIS* D. Don Orchidaceae.

285502. Col. No. 1258. Always on trees, in dense forest above Mardi Khola. Elevation 7,500 feet. Small epiphyte; flowers purple and white. Flowering at 33° F.

285503. Col. No. 1291. On trees above Godavari. Elevation 7,000 feet. Epiphyte; flowers purple.

285504 to 285506. *COELOGYNE PRAECOX* D. Don

285504. Col. No. 1303. Moist bank near rhododendron, Dhaman. Elevation 7,600 feet. Plant small; flowers purple and white.

285505. Col. No. 1304. Moist bank near rhododendron, Dhaman. Elevation 7,600 feet. Plant a pale pink selection.

285506. Col. No. 1305. Moist bank near rhododendron, Dhaman. Elevation 7,600 feet. A white form with yellow throat.

285507. *RHYNCHOSTYLUS RETUSA* Blume Orchidaceae. **Orchid.**

Col. No. 1334. Presented by G. Herklots, Royal Botanic Garden, Godavari. Collected near Hitaura. Elevation 3,500 feet. Epiphyte; flowers white.

285508. *THUNIA ALBA* (Lindl.) Reichenb. Orchidaceae. **Orchid.**

Col. No. 1335. Dry sunny exposure above Godavari. Elevation 8,000 feet. Vigorous epiphyte; stems stout; flowers white.

285509. *VANDA CRISTATA* Lindl. Orchidaceae. **Orchid.**

Col. No. 1336. Dry sunny exposure above Godavari. Elevation 8,000 feet. Epiphyte.

285510. *RHAPHIDOPHORA DECURSIVA* Scott Araceae.

Col. No. 1227. Growing over face of shaded cliff along Mardi Khola, near Siding. Elevation 4,800 feet. Aroid with vine habit; leaves ovate, often cleft or with holes; spadix about 4 inches long, orange.

285511. *AESCHYNANTHUS ACUMINATA* Wall. Gesneriaceae.

Col. No. 1228. Moist shaded cliffs along Mardi Khola, near Siding. Vanilla-like foliage.

285512. *POLYSTICHUM SQUARROSUM* (D. Don) Fee Polypodiaceae. **Fern.**

Col. No. 1238. Moist forest above Mardi Khola. Elevation 6,000 feet. Fern; fronds to 3 feet long, large, lustrous, green; stems covered with red hairs.

285513. *CONIOGRAMME FRAXINEA* Fee Polypodiaceae. **Fern.**

Col. No. 1255. Moist forest above Mardi Khola, above Siding. Elevation 7,300 feet. A large fern; pinnate lanceolate with wavy margin.

285479 to 285515—Continued

285514. *POLYSTICHUM* sp. Polypodiaceae.

Col. No. 1256. Moist shady area in evergreen forest above Mardi Khola. Elevation 7,600 feet. Evergreen fern; fronds to 10 inches, dark green; pinnae deeply lanceolate.

285515. (Undetermined.)

Col. No. 1257. Dense forest above Mardi Khola. Elevation 7,000 feet. Evergreen rhizomatous monocot; leaves linear; flowers from basal scape, in bud.

285516. *SETARIA* (hybrid). Poaceae.

From the Republic of South Africa. Stolons presented by the United States Embassy, Pretoria. Received June 20, 1962. Numbered Jan. 2, 1963.

285517. *GYMNOSPORIA ROYLEANA* M. Laws. Celastraceae.

From Nepal. Seeds collected by J. L. Creech and F. deVos, agricultural explorers, Crops Research Division, Plant Industry Station, and the National Arboretum, Washington, D.C. Received Dec. 21, 1962.

Col. No. 1246. 'Torch'. Edge of field near Marchhapuchhare. Elevation 6,500 feet. Straggly shrub to 8 feet high; spines few; leaves alternate, crenate, serrate; fruit red, clustered.

285518 to 285522.

From Great Britain. Plants presented by the Royal Botanic Garden, Edinburgh, Scotland. Received Dec. 26, 1962.

285518. *AGAPANTHUS CAMPANULATUS* Leighton Liliaceae.

'Nanus'.

285519. *CALCEOLARIA PAVONII* Benth. Scrophulariaceae.

285520. *PASSIFLORA* × *EXONIENSIS* (Veitch) Bailly Passifloraceae.

285521. *RHODODENDRON CUBITII* Hutch. Ericaceae.

285522. *SAURAUJA SUBSPINOSA* Anthony Dilleniaceae.

285523 to 285527. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Mauritius. Cuttings presented by the Sugar Industry Research Institute, Reduit. Received Dec. 26, 1962.

285523. 'Ebene 50/47'.

285526. M. 202/46.

285524. M. 31/45.

285527. M. 253/48.

285525. M. 93/48.

285528 and 285529. *PRUNUS* (hybrids). Amygdalaceae.

From South Australia. Cutting and seed presented by the Department of Agriculture, Adelaide. Received Dec. 27, 1962.

P. mahaleb × *P. avium*.

285528. Cuttings.

285529. Seed.

285530. *PYRUS COMMUNIS* L. Malaceae.

From Sweden. Cuttings presented by Fredrik Nilsson, Alnarp, Akarp. Received Dec. 27, 1962.

'Johantorp'.

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