

Plant Inventory No. 176

UNITED STATES DEPARTMENT OF AGRICULTURE



Washington, D.C. October 1970

PLANT MATERIAL INTRODUCED JANUARY 1 to DECEMBER 31, 1968 (NOS. 324308 to 338613)

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This inventory, No. 176, lists the plant material (Nos. 324308 to 338613) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service during the period from January 1 to December 31, 1968. The inventory is a historical record of plant material introduced to the Department and other specialists and is not to be considered as a list of plant material for distribution.

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

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INVENTORY

324308 and 324309. *LEUCAENA DIVERSIFOLIA* (Schlecht.) Benth. Leguminosae.

From Honduras. Seeds collected in July 1967 by J. L. Brewbaker, Department of Horticulture, Agriculture Experiment Station, University of Hawaii, Honolulu. Numbered Jan. 2, 1968.

324308. Col. No. 95. El Jicarto, Departamento Morazan. From herbarium specimen at Zamorano.

324309. Col. No. 96. El Zamorano, Departamento Morazan. From herbarium specimen at Zamorano.

324310 to 324336.

From El Salvador. Seeds collected in July 1967 by J. L. Brewbaker, Department of Horticulture, Agriculture Experiment Station, University of Hawaii, Honolulu. Numbered Jan. 2, 1968.

324310 to 324335. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit Leguminosae.

324310. Col. No. 97. Local name: Guajillo. Near Experiment Station, Santa Cruz Porillo. Trees to 5 m., abundantly flowering throughout the year. Typical uniform growth habit for species.

324311. Col. No. 98. Local name: Guaje. Experimental Gardens Santa Cruz, Porillo, 10 km. south of Zaca Tecoluca. Trees to 10 m. in 2 years, to over 15 m. in 5 years; large pods, seeds, flowers, leaflets. Flowers in April and October. Seeds from 12 trees.

324312. Col. No. 99. See P.I. 324311.

324313. Col. No. 100. See P.I. 324311.

324314. Col. No. 101. See P.I. 324311.

324315. Col. No. 102. See P.I. 324311.

324316. Col. No. 103. See P.I. 324311.

324317. Col. No. 104. See P.I. 324311.

324318. Col. No. 105. See P.I. 324311.

324319. Col. No. 106. See P.I. 324311.

324320. Col. No. 107. See P.I. 324311.

324321. Col. No. 108. See P.I. 324311.

324322. Col. No. 109. See P.I. 324311.

324323. Col. No. 110. See P.I. 324311.

324324. Col. No. 111. See P.I. 324311.

324325. Col. No. 112. See P.I. 324311.

324326. Col. No. 113. See P.I. 324311.

324327. Col. No. 114. See P.I. 324311.

324328. Col. No. 115. See P.I. 324311.

324329. Col. No. 116. See P.I. 324311.

324330. Col. No. 117. See P.I. 324311.

324331. Col. No. 118. Local name: Guapillo. Near Experiment Station, Santa Cruz Porillo. Small Hawaiian type.

324332. Col. No. 119. See P.I. 324331.

324333. Col. No. 120. See P.I. 324331.

324334. Col. No. 121. See P.I. 324331.

324335. Col. No. 122. See P.I. 324331.

324310 to 324336—Continued**324336. LEUCAENA SHANNONII** Donn. Smith

Col. No. 123. North of Santa Ana on road to St. Cristobel, 1 km. south of Candelaria. Elevation 678 m. Tree to 4 m. Leaves to 15 cm., glabrous, 4–5 pairs pinnae, 9–12 pairs leaflets, petiole 2–3 cm. Large, reddish-brown, elevated gland at or below lowermost pinnae. Leaves grade into *L. leucocephala*. Terminal flowers borne on leafy "raceme," 3–6 nodes. Open flower heads white, similar to *L. leucocephala*, 5–12 mm. in diameter. Flowering initiated in July. Residual pods from previous November. Anthers pilose. Pods similar to *L. diversifolia*; 1–1.2 cm. wide, 7 to 10 cm. long. Large rectangular seeds, slightly fuzzy.

324337 to 324341.

From Guatemala. Seeds collected in July 1967 by J. L. Brewbaker, Department of Horticulture, Agriculture Experiment Station, University of Hawaii, Honolulu. Numbered Jan. 2, 1968.

324337. LEUCAENA DIVERSIFOLIA (Shlecht.) Benth. Leguminosae.

Col. No. 132. Ten km. east of Saranate, Departamento Progresso. Elevation 700 m. Trees to 6 m., glabrous, similar to *L. diversifolia*, but with green pods, very small heads, apparently with white anthers; more or less glabrous throughout. Leaves to 15 cm., 5–8 pairs pinnae, 20 to 30 pairs leaflets 3–5 mm. Leaves close very quickly when picked. Flower heads 1–3 at nodes, to 6 mm. diameter before anthesis. Pods glabrous.

324338 to 324341. LEUCAENA SHANNONII Donn. Smith

324338. Col. No. 124. Local name: Guaje. Along highway between Asuncion Mita and Jutiapa. Trees to 10 m., more or less vigorous; clearly endemic at this location. Flower in long spikes (racemes) to 30 cm.

324339. Col. No. 125. See P.I. 324338.

324340. Col. No. 126. See P.I. 324338.

324341. Col. No. 127. See P.I. 324338.

324342 to 324423.

From Mexico. Seeds collected in July 1967 by J. L. Brewbaker, Department of Horticulture, Agriculture Experiment Station, University of Hawaii, Honolulu. Numbered Jan. 2, 1968.

324342. ACACIA ACATLENSIS Benth. Leguminosae.

Col. No. 12. Ten km. south of Cuautla, Morelos; foothills. Tree to 4 m. high; leaves resemble *L. microcarpa*; 3–4 pinnae, 3–5 leaflets, 1.0 by 1.5 cm., glabrous, thick; pods more or less indehiscent, 6–10 cm. long.

324343. ACACIA FARNESIANA (L.) Willd

Col. No. 3. Five miles south of Urangato, Michoacan. Thorny shrub to 2.5 m. high; flower head loose, yellow.

324344. ACACIA sp.

Col. No. 4. Local name: Mesquite. Five miles south of Urangato, Michoacan. Irregular-formed tree, 8–15 m. high. No flowers present; pods near maturity.

324345. ALBIZIA LEBBECK (L.) Benth. Leguminosae.

Col. No. 10. Four km. west of Zacatepec, Morelos. Elevation 1,000 m. Common in plantings through city. Tree to 6 m. high. Heavy pod production; scattered flowers with typical elongate anthers and stamens.

324346 to 324451. LEUCAENA COLLINSII Britton & Rose Leguminosae.

324342 to 324423—Continued

324346 to 324451—Continued

324346. Col. No. 24. Fifteen km. east of Cordoba; 3 km. northwest of Cuitlahuac, Veracruz. Tree to 7 m. high; 10 to 12 pairs pinnae, 15 to 25 leaflets, 4–5 mm.; acute; glabrous throughout. Large gland raised below first pinnae; pods 10 to 14 cm. long by 2 cm. wide. Flowers 1.5 cm. diameter, white, glabrous; pods more or less identical to *L. leucocephala* but cuspidate. Galling common; weevils rare.
324347. Col. No. 60. Local name: Uachi. One km. south of Tuxtla Gutierrez, Chiapas. Tree to 7 m. high; coincides with species description; 9–12 pairs pinnae; 28 to 40 pairs leaflets, to 5 mm. wide; large white heads, pilose anthers, fluting of young stems inconspicuous, little red in petiole, pod, etc.; seeds resembles *L. leucocephala*; flattened, green. Matures seeds in January. Young seeds eaten for stomach troubles.
324348. Col. No. 61. Two km. north of Tuxtla Gutierrez, Chiapas. Tree to 6 m. high.
324349. Col. No. 62. One km. north of Tuxtla Gutierrez, Chiapas. Tree to 5 m. high.
324350. Col. No. 63. One km. north of Tuxtla Gutierrez, Chiapas. Tree to 7 m. high.
324351. Col. No. 65. One km. north of Tuxtla Gutierrez, Chiapas.
- 324352 to 324373. *LEUCAENA DIVERSIFOLIA* (Schlecht.) Benth.
324352. Col. No. 22. Five km. west of Fortin de las Flores, 12 km. east of Cordoba Rain Forest, Veracruz. Elevation 1,000 m.
324353. Col. No. 23. Local name: Guaje. Three km. west of Cordoba, Veracruz. Elevation 1,040 m. Tree to 15 m.; spreading; small leaves and leaflets. Flowers present with pods at all stages of maturity.
324354. Col. No. 33. Two km. west of Cordoba, Veracruz. Tree to 4 m., covered with young fruit and flowers, some residual pods. Anthers red, tips of style red, no other color in flower; branches reddish as in *L. esculenta*.
324355. Col. No. 34. Local name: Guaje. Three km. north of Fortin de las Flores, Veracruz. Vigorous young trees heavy with young fruits. Local farmers eat young pods. Two local pigs were bald.
324356. Col. No. 35. Three km. north of Fortin de las Flores, Veracruz.
324357. Col. No. 36. Sixteen km. north of Fortin de las Flores, Veracruz. Elevation 1,400 m. Small tree in jungle.
324358. Col. No. 38. Three km. west of Huatusco, Veracruz. Elevation 1,400 m. Wooded. Tree to 10 m. high, healthy; 17 pairs pinnae, 38 pairs leaflets, 1 by 3–4 mm. In early pod (flower date mid-June). Seeds collected from pods on ground. Pods 1.1 cm. by 10 cm.
324359. Col. No. 39. Ten km. north of Huatusco, Veracruz. Elevation 1,300 m. Small sporadic trees.
324360. Col. No. 44. Ten km. east of Dos Rios, Veracruz, in valley of Rio Paso de la Milpe. Elevation 500 m. Dry area, shale appearing calcareous. Trees to 6 m., fruiting heavily (flower date early June).
324361. Col. No. 45. Ten km. east of Dos Rios, Veracruz, in valley of Rio Paso de la Milpe. Elevation 500 m. Plants vigorous, heavily seeding.
324362. Col. No. 46. Ten km. east of Jalapa, Veracruz. Trees to 5 m., typical of species; anthers pink; styles pink grading to white; pods reddish; glabrosity of legumes and flowers varies from plant to plant; young plants exhibit it best.
324363. Col. No. 47. Ten km. east of Jalapa, Veracruz.

324342 to 324423—Continued

324352 to 324373—Continued

324364. Col. No. 54. Ten km. north of Oaxaca. Very common in arroyos and dry sandy areas. Tree small, willowy, to 6 m., late flowers abundant, some residual pods; leaves to 25 cm., 17 to 19 pairs pinnae, 40 to 50 pairs leaflets; anthers 5–7 mm., pink, head to 2 cm. diameter; 4–6 heads per node, peduncle 1.5 cm. Seeds large. Pods 1.5 by 9–12 cm., deep red pigment in pilose young pods and leaf veins.
324365. Col. No. 55. Fourteen km. north of Oaxaca City, Oaxaca. Description same as P.I. 324364.
324366. Col. No. 57. On road to San Juan del Estado, 20 km. north of Oaxaca City, Oaxaca.
324367. Col. No. 58. On road to San Juan del Estado, 20 km. north of Oaxaca City, Oaxaca.
324368. Col. No. 64. One km. north of Tuxtla Gutierrez, Chiapas. Willowy trees to 5 m. high; 16 to 18 pairs pinnae; 40 to 45 pairs leaflets; anthers red; pigment in leaves; pods 1.1 cm. by 10 cm. Seeds very small, typical.
324369. Col. No. 66. One km. west of Jalapa, Veracruz. Tree to 4 m., covered with young fruit and flowers, some residual pods. Anthers red, tips of style red, no other color in flower. Branches reddish.
324370. Col. No. 94a. Thirty-six km. south of Teguci on road to Zamorano; dry woodlands, sporadic. In flower and young pod. Anthers and style tips red. Flower heads less than 1 cm., leaves with 11 to 14 pairs pinnae, 25 to 34 pairs leaflets.
324371. Col. No. 129. San Jose Acatempa, Departamento Jutiapa, 1.5 km. west of Llano Grands. Elevation 1,000 m. Rolling hills in open areas, occasionally cultivated. Leaves small, thin; flowers small, reddish; seeds larger than *L. diversifolia*. Flowering just begun.
324372. Col. No. 130. Twenty km. northwest of Jalapa on road to Sanarate, Departamento Jalapa. (Also seen in Departamento Progreso). Dense rain forests. Plants competitive at this site. Trees typical, to 6 m., endemic; flowers reddish, some residual pods to 1.5 cm. by 12 cm. Seeds longer than *L. diversifolia* of Mexico. No evidence of the leaflet pilosity.
324373. Col. No. 131. Twenty km. northwest of Jalapa on road to Sanarate, Departamento Jalapa.
- 324374 to 324381. *LEUCAENA ESCULENTA* (Moc. & Sesse) Benth.
324374. Col. No. 1. Local name: Guaje. Temascaltepec, southwest of Toluca, Mexico, D.F. Roadside. Sporadic trees, open area, valley amid mountains. Elevation 1,730 m. Tree 8 to 13 m., spreading crown similar to Jacaranda, whitish bark, sparse foliage. Leaves with 10 to 12 pairs pinnae, 20 to 30 pairs leaflets; 4 to 6 mm., more or less acute tip. No flowers, pods variable, red, 10 to 20 cm. long. Seeds more or less round, flat, 8 to 10 m. in diameter; often with Bromeliad parasite.
324375. Col. No. 8. Two km. north of Alpuyecá, south of Cuernavaca, Morelos; along river. Widely naturalized between Zacatepec and Cuautla. Typical of species; see P.I. 324374. Pods from last year's flowers.
324376. Col. No. 14. Twenty km. north of Izucar de Matamoros, Puebla. Elevation 1,640 m. Trees to 8 m., some in flower; pods 2 by 12 to 15 cm., glabrous, reddish. Leaves droop at sunrise.
324377. Col. No. 15. Cultivated on plains of Puebla, along Route 150. Five km. north of Tecamachalco, Puebla. Tree typical, to 60 km; handsome. Pods just ripe. No weevils in pods. Other trees in flower; photo insensitive.

324342 to 324423—Continued**324374 to 324381—Continued**

324378. Col. No. 52. Local name: Guaje. Near Oaxaca City, Oaxaca. Cultivated trees to 8 m., whitish bark, horizontally striate; 30 to 55 pairs pinnae, 50 to 100 pairs leaflets, 1 by 3–4 mm. densely arrayed; stems fluted; pods 2 by 15 cm.; seeds 8 mm. in diameter, rounded; sun red in leaf rachis; petiole less than 2 cm., large, elongate, red gland at base of first pair pinnae.

324379. Col. No. 53. Local name: Guaje. Ten km. north of Oaxaca City, Oaxaca. Trees cultivated. More or less typical; 43 pairs pinnae, 75 pairs leaflets; large gland between basal pair leaflets; glands between 5 uppermost pairs leaflets.

324380. Col. No. 56. On road to San Juan del Estado, 20 km. north of Oaxaca City, Oaxaca. Cultivated and wild. Tree to 6 m., vigorous.

324381. Col. No. 59. Oaxaca City, Oaxaca. Cultivated trees to 12 m.; ultimate height depends on cultural conditions. Trees dwarfed by apparent poor nutrition and by flowering and fruiting during the dry season.

324382 to 324390. LEUCAENA LANCEOLATA S. Wats.

324382. Col. No. 37. Salto de Agua, 11 km. south of Santiago Tuxtla, Veracruz. Elevation 100 m. Shrub to 2 m., leaves and pods typical of species.

324383. Col. No. 42. Local name: Guaje. Two km. west of Jalapa; backyard plant. Tree to 6 m., glabrous, resembles *L. leucocephala*. Leaves contain 3–4 pairs pinnae, 4–5 pairs leaflets; size variable, two 20–45 mm. long by 1 to 2.5 mm. wide. Flower heads to 1.5 cm. in diameter, white. Pods glabrous 2 by 15 cm., seeds elongate, large, not rounded. Anthers pubescent. Young pods eaten by natives.

324384. Col. No. 43. Two km. west of Puente Nacional. See P.I. 324383.

324385. Col. No. 48. River bed, 15 km. southwest of Dos Rios, Veracruz, southwest of Jalapa. Willowy trees to 5 m. high. Insect-infested pods. Resembles P.I. 324383.

324386. Col. No. 49. Dry hillside near locale of P.I. 324385 river bed, 15 km. southwest Dos Rios, Veracruz, southwest of Jalapa.

324387. Col. No. 51. Plan del Rio, 21 km. southwest of Dos Rios, Veracruz, southwest of Jalapa. Trees small, scattered on dry hillside.

324388. Col. No. 134. One km. south of Mazatlan, Sinaloa. Elevation 30 m. Dry hillside. Plant to 4 m., leaflets 2 cm. long. Leaves with 3 pairs pinnae, 5 pairs leaflets. Very few seeds in old pods. Trees also cultivated.

324389. Col. No. 146. Mazatlan, Sinaloa, dry open slopes. Elevation 100 m. Small trees; cultivated and wild.

324390. Col. No. 147. See P.I. 324389.

324391 to 324412. LEUCAENA LEUCOCEPHALA (Lam.) de Wit

324391. Col. No. 9. Five km. west of Zacatepec, open dry plain. Cultivated. Elevation 1,040 m. Trees typical; weak; to 4 m. high, some to 25 cm. diameter. Flowers, pods in all stages of maturity. Mixed stand with *L. esculenta*.

324392. Col. No. 11. One km. south of Temilpa Nuevo, north of Zacatepec, Morelos. Elevation 1,000 m. Tree to 6 m.; very thin pods, larger number seeds per pod.

324393. Col. No. 17. Two km. north of Ajalpan, south of Tehuacan, Puebla. Elevation 1,200 m. Plants typical; cultivated.

324394. Col. No. 18. Three km. south of Zacatepec, Puebla. Tree very tall, vigorous. All *L. leucocephala* at this location were in late pod.

324342 to 324423—Continued

324391 to 324412—Continued

324395. Col. No. 19. Three km. south of Zinacatepec, Puebla. Tree short, more or less typical.
324396. Col. No. 20. Three km. south of Coxcatlan, Puebla, southeast of Tehuacan. Typical; small shrubs; leaflets fleshy, 10 mm. long.
324397. Col. No. 21. Three km. south of Coxcatlan, Puebla, southeast of Tehuacan. Vigorous tree, deep red pods.
324398. Col. No. 25. Fifteen km. east of Cordoba, Veracruz, 3 km. northwest of Cuitlahuac. Plants low; typical; brown-flecked bark. Weevils abundant; no galls.
324399. Col. No. 26. Veracruz, 15 km. west of Cuitlahuac. Tree small, typical of species; healthy. Large, cupped gland below first pair pinnae; glands usually below last pair.
324400. Col. No. 27. Twenty km. north of Tierra blanco, Veracruz. Cultivated trees; variable.
324401. Col. No. 28. Fifteen km. west of Cosamaloapan, Veracruz. Open grazing and sugar cane fields. Elevation 150 m. Large tree, 25 cm. diameter, 14 m. high. *L. esculenta* common in lowlands. Lush vegetative growth, no pods or flowers.
324402. Col. No. 29. One km. east of Cosamaloapan, Veracruz. Cultivated and wild.
324403. Col. No. 32. One mile east of Mecayapan, Veracruz. Low, wet lands; pasture, isolated, sporadic plants. Low tree, typical with uniform growth habit.
324404. Col. No. 41. Two km. west of Puente Nacional, Veracruz, road to Jalapa. Typical, somewhat luxuriant.
324405. Col. No. 50. Plan del Rio, 21 km. southwest of Dos Rios, Veracruz, southwest of Jalapa. Typical of species.
324406. Col. No. 133. Mazatlan, Sinaloa. Shrub to 3 m. high; flowers and pods abundant; typical, uniform growth habit. Flower heads very large.
324407. Col. No. 135. Five km. south of Mazatlan, Sinaloa. Typical uniform growth habit.
324408. Col. No. 142. Outskirts of Mazatlan, Sinaloa. Typical uniform growth habit; trees heavy with glabrous, reddish brown pods, produced from about April. Full bloom.
324409. Col. No. 143. Same as P.I. 324408.
324410. Col. No. 148. Near Mazatlan, Sinaloa. Elevation 50 m. Typical of species.
324411. Col. No. 149. Same as P.I. 324408.
324412. Col. No. 150. Same as P.I. 324408.
- 324413 to 324421. *LEUCAENA MACROPHYLLA* Benth.
324413. Col. No. 2. Local name: Paloblanco. Magdalena de Araceo, 9 km. south of Valle de Santiago, northwest of Lake Yariria, Michoacan. Elevation 1,900 m. Mixed stand along ravine in rolling open country. Spreading tree, 6 to 12 m.; trunk 25 to 40 cm., whitish bark, leaf scales. Four to 6 pairs pinnae, 6–10 leaflets; flower heads reportedly white, 2 cm. diameter; scattered young pods with very thick edges, 2.5 by 12 to 20 cm.; 8–12 large seeds per pod, 7–9 mm. in diameter. Like *L. esculenta*. Leaves very small for *L. microcarpa*.
324414. Col. No. 5. Five km. south of Guanajuato City, Guanajuato. See P.I. 324413. Trees to 13 m. high and wide. Well-fertilized area along stream; bark white; young pods on trees; heavy pod production, 3.5 by 28 cm., a few of last season's infested with insects.

324342 to 324423—Continued

324413 to 324421—Continued

324415. Col. No. 136. Chapudero, 15 km. northwest toward Durango, 30 km. northwest Concoldia in Sinaloa. Dense, low-rainfall forests. Elevation 300 to 800 m. Trees to 7 m., conspicuously brittle. Three to four pairs pinnae, 3–5 pairs leaflets; size variable, 1 by 2 to 2–5 cm., variable acute; young vegetation distinctly reddish brown; pods to 15 cm., 1.5 to 2 cm. wide, hirsute seeds like *L. leucocephala*. New heads just appearing; few old pods badly infested with insects; seeds on ground. Flowers in terminal racemes more or less conspicuous as in *L. shannoni*.

324416. Col. No. 137. Same as P.I. 324415.

324417. Col. No. 138. Same as P.I. 324415.

324418. Col. No. 139. Two km. west of Chapudero, 8 km. west of Concoldia, Sinaloa. Trees to 6–8 m., bark smooth, with flaked appearance. Trunks to 15 cm. diameter breast high.

324419. Col. No. 140. On highway 40 to Durango, 5 km. northeast of Concordia, Sinaloa. See P.I. 324415 for description.

324420. Col. No. 141. On highway 40 to Durango, 1 km. northeast of Concordia, Sinaloa. Seeds collected from ground.

324421. Col. No. 144. Twenty km. north of Mazatlan, Sinaloa. Elevation 60 m.; wooded rolling hills. Prolonged dry season. Small, spreading trees to 6 m., bark often white with lichen. Species easily noted by residual, dry spikes of inflorescence atop trees.

324422. *LEUCAENA* sp.

Col. No. 7. Open rocky plain, 12 km. south of Cuernavaca, Morelos. Open rocky land. Elevation 1,600 m. Tree to 15 m., spreading, without thorns. Leaves very large, 12 to 16 pinnae; 20 to 38 leaflets, oblong, 2–5 mm. More or less larger than *L. leucocephala*; no stipules; leaves more or less identical to *L. diversifolia*. Pods both mature and young, 2 by 12 cm.; 3–5 seeds, rounded.

324423. *LEUCAENA* sp.

Col. No. 13. Near Tepexco, 30 km. west of Izucar de Matamoros, Puebla. Heavily wooded dry slopes. Elevation 1,200 m. Also common south of Tehuacan. Tree to 9 m., smooth bark with light peel like birch. Leaves like *L. stenocarpa*; minutely thorny, 3 mm. lanceolate stipules. Leaves with 6–10 pairs pinnae, 30 or more leaflets, 1 by 3 mm. Pods 2 by 12 cm., dehiscent, immature. Flowers mid-June. Flowers not seen, evidently in 8 cm. long spikes.

324424 to 324451.

From Colombia. Seeds collected in July 1967 by J. L. Brewbaker, Department of Horticulture, Agriculture Experiment Station, University of Hawaii, Honolulu. Numbered Jan. 2, 1968.

324424 and 324425. *ALBIZIA GUACHAPELE* (Kunth) Dugand Leguminosae.

324424. Col. No. 67. Near Melgar, 30 km. east of Girardat, Departamento Bogota. Tree to 15 m. high, spreading, 36 cm. diameter breast high; leaves to 30 cm. long; 5–6 pairs pinnae; 5–6 leaflets, 1.5–3.0 cm. by 2–4 cm.; minute puberulence on young stem, petiole, leaf rachis, leaflets, especially lower surface. Late pod, two to 2.5 cm. by 11 to 16 cm., puberulent, whitish, resembles *L. leucocephala* in size; 13 to 18 seeds per pod, peduncle 2–3 cm.; 5–10 pods per inflorescence. Green flat glands at base of uppermost pair pinnae and below lowermost.

324425. Col. No. 68. Ten km. west of Girardot, Departamento Bogota. Same as P.I. 324424.

324426 to 324451. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit Leguminosae.

Leadtree.

324424 to 324451—Continued

324426 to 324451—Continued

324426. Col. No. 69. Two km. north of Girardot, Departamento Cundinamarca. Arroyo in more or less dry area. Elevation 460 m. Willowy trees to 5 m., buds, flowers, mature pods, typical uniform growth habit; 4-6 pairs pinnae, 12-18 pairs leaflets; 6-10 mm. long; young stems minutely puberulent; flower heads to 1.8 cm. diameter, peduncle 3 cm., pods to 1.5 cm. by 16 cm.; young pods glabrous on some plants, minutely puberulent on others. More than 18 seeds per pod.
324427. Col. No. 70. See P.I. 324426.
324428. Col. No. 71. See P.I. 324426.
324429. Col. No. 72. See P.I. 324426.
324430. Col. No. 73. See P.I. 324426.
324431. Col. No. 74. See P.I. 324426.
324432. Col. No. 75. See P.I. 324426.
324433. Col. No. 76. See P.I. 324426.
324434. Col. No. 77. See P.I. 324426.
324435. Col. No. 78. Eleven km. east of Melgar, Departamento Bogota. Few plants in fence row along highway; typical of species. Pods more or less minutely puberulent, even at maturity.
324436. Col. No. 79. Local name: Higua. Ten km. east of Cali, Departamento Valle. (Cauca Valley). Healthy trees to 6 m., heavy seed production; pods more or less finely puberulent to maturity; leaflets small, pointed.
324437. Col. No. 80. Two km. south of Tulua, Departamento Valle, edge of pasture. Lateral branching trees to 6 m., more or less vigorous; heavy seed production. Seven to nine pairs pinnae; 18 to 20 pairs leaflets, to 16 mm. Old leaves badly infected with a fungus on upper leaf surface; appears more or less like red spider damage with whitish areas and black spots.
324438. Col. No. 81. See P.I. 324437.
324439. Col. No. 82. See P.I. 324437.
324440. Col. No. 8. One km. north of Andalucia, Departamento Valle, north of Tulua. Along fence row. Small trees, more or less typical; no disease present. Pods more or less puberulent.
324441. Col. No. 84. See P.I. 324440.
324442. Col. No. 85. See P.I. 324440.
324443. Col. No. 86. Bugalagrande, Department Valle, north of Tulua. Healthy small trees, more or less regularly cut back; cultivated.
324444. Col. No. 87. Two km. north of Montenegro, Departamento Valle, south of Cartago. In fence row; dry alluvial plain. Trees small; leaflets small; in flower.
324445. Col. No. 88. See P.I. 324444.
324446. Col. No. 89. Seven km. south of Obando, Departamento Valle, south of Catago. Trees in fence row; to 6 m. high.
324447. Col. No. 90. See P.I. 324446.
324448. Col. No. 91. See P.I. 324446.
324449. Col. No. 92. Three km. north of Roldanillo, Departamento Valle, near Cartago. On west side of Cauca Valley, very dry as on east side of California Sierras. Tree small, typical.
324450. Col. No. 93. Five km. south of Roldanillo, Departamento Valle del Cauca, south of Cartago. Plants used as live fence posts.
324451. Col. No. 94. See P.I. 324450.

324452 to 324461. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Mexico. Tubers collected by H. S. Gentry, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received Jan. 3, 1968.

324452. Col. No. 22451. Market, Zacapoaxtla, Puebla. Elevation 5,700 feet. White, locally grown.
324453. Col. No. 22452. Market, Zacapoaxtla, Puebla. Elevation 5,700 feet. Reddish, locally grown.
324454. Col. No. 22453. Market, Zacapoaxtla, Puebla. Elevation 5,700 feet. White, locally grown.
324455. Col. No. 22465. Market, Tezuitlan, Puebla. Elevation 6,000 feet. Small, white, locally grown in moist, cool, cloudy climate.
324456. Col. No. 22466. Market, Tezuitlan, Puebla. Elevation 6,000 feet. Small, reddish. Moist, cool, cloudy climate.
324457. Col. No. 22467. Market, Tezuitlan, Puebla. Elevation 6,000 feet. Small, rough skinned, locally grown in moist, cool, cloudy climate.
324458. Col. No. 22468. Market, Tezuitlan, Puebla. Elevation 6,000 feet. White, lumpy, deep eyed, locally grown in moist, cool, cloudy climate.
324459. Col. No. 22469. Market, Tezuitlan, Puebla. Elevation 6,000 feet. Large, lumpy, blocky; locally grown in moist, cool, cloudy climate.
324460. Col. No. 22470. Market, Tezuitlan, Puebla. Elevation 6,000 feet. Large, red skinned. Grows in moist, cool, cloudy climate.
324461. Col. No. 22487. Market, Coscomatepec, Veracruz. Elevation 5,100 feet. Small, locally grown in the higher altitudes.

324462. ORYZA SATIVA L. Gramineae. Rice.

From Taiwan. Seeds presented by Dr. Li, Academia Sinica, Taipei. Received Jan. 4, 1968.

'I-Geo-Tse'. (Peba × I-Geo-Tse IR 8).

324463 and 324464.

From the United States. Seeds grown at National Plant Materials Center, Soil Conservation Service, Beltsville, Md. Originally collected in 1964 by Jesse L. McWilliams, United States Agency for International Development, Algeria. Received Jan. 4, 1968.

324463. *ALOPECURUS ARUNDINACEUS* Poir. Gramineae.

Near Tirney, Algeria, south of Tlemcen.

324464. *PHALARIS AQUATICA* L. Gramineae. Large canarygrass.

Near Yacouren, Algeria.

324465 to 324469.

From Iran. Seeds presented by Jean Cauquil, Institute de Recherches du Coton et des Textiles Exotiques, 34 rue des Renaudes, Paris, France. Received Jan. 4, 1968.

324465. *GOSSYPIUM HERBACEUM* L. Malvaceae. Levant cotton.

Reported to be *verticillium* wilt resistant strain, developed in the Soviet Union.

'Boumic Aria'.

324466 to 324469. *GOSSYPIUM HIRSUTUM* L. Upland cotton.

Reported to be *verticillium* wilt resistant strains, developed in the Soviet Union.

324466. C 1211. Type zero.

324468. 108 F.

324467. C X 349.

324469. 152-F.

324470 to 324486.

From India. Seeds presented by Indian Agricultural Research Institute
Division of Plant Introduction, New Delhi. Received Jan. 4, 1968.

324470 to 324475. TRITICUM AESTIVUM L. Gramineae. Common wheat.

324470. Hyb. 38.	324473. NIPHAD-4.
324471. Hyb. 277.	324474. Pbc. 253.
324472. K. 13.	324475. RS. 9-11.

324476 to 324486. TRITICUM DURUM Desf. Durum wheat.

324476. A. 206.	324482. 'Motia'.
324477. 'Gulab'.	324483. N. 59.
324478. Hyb. 23.	324484. N.I. 146.
324479. Hyb. 32.	324485. P.W. 3.
324480. 'Jay'.	324486. 'Vijaya'.
324481. 'Malvi Ekdania 69'.	

324487 and 324488.

From the United States. Seeds grown at National Plant Materials Center,
Soil Conservation Service, Beltsville, Md. Received Jan. 4, 1968.

324487. BROMUS cf. INERMIS Leyss. Gramineae.

Originally from the Soviet Union.
Contaminant from P.I. 815370.

324488. POA BULBOSA L. Gramineae.

Bulbous bluegrass.

Originally from the Soviet Union.
Viviparous form. Contaminant from P.I. 314147.

324489. ERIANTHUS TRINII Hack. Gramineae. Plume grass.

From Argentina. Seeds presented by Edgardo R. Montaldi, Instituto de
Botanica Agrícola, Buenos Aires. Received Jan. 4, 1968.

324490 to 324492.

From India. Seeds presented by Indian Agricultural Research Institute,
Division of Plant Introduction, New Delhi. Received Jan. 4, 1968.

324490. TRITICUM AESTIVUM L. Gramineae. Common wheat.
NP. 799.

324491. TRITICUM SPHAEROCOCCUM Percival
Mutant of NP. 799.

324492. TRITICUM SPHAEROCOCCUM Percival

324493 to 324502.

From India. Seeds presented by Indian Agricultural Research Institute,
Division of Plant Introduction, New Delhi. Received Jan. 12, 1968.

324493 to 324498. GOSSYPIUM ARBOREUM L. Malvaceae.

Asiatic tree cotton.

324493. D 46-2-1 'Cernuum'.	324496. 'Sanguineum'.
324494. K-7.	324497. 'Sanjay'.
324495. 'Raniben'.	324498. 'Virnar'.

324499 to 324502. GOSSYPIUM HERBACEUM L.

Levant cotton.

324499. 'Digvijay'.	324501. 'Vijalpa'. (2087).
324500. 'Kalyan'.	324502. V. 797.

324503. ARACHIS HYPOGAEA L. Leguminosae.

From El Salvador. Seeds collected by J. F. McGill, Extension Agronomist, Georgia Coastal Plain Experiment Station, Tifton, Georgia. Received Jan. 5, 1968.

'Criollo'. From San Francisco, Lempa.

324504. ARACHIS HYPOGAEA L.

From Taiwan. Seeds presented by John Green, Executive Secretary, South-eastern Peanut Association, Albany, Georgia. Received Jan. 5, 1968.

324505. ARACHIS HYPOGAEA L.

From Argentina. Seeds presented by Instituto Nacional de Tecnologia Agropecuaria-United States Agency for International Development delegation. Received Jan. 5, 1968.

'Colorado de Cordoba'.

324506 to 324515.

From Brazil. Seeds presented by B. V. Skvortzov, Instituto de Botanica, Sao Paulo. Numbered Jan. 5, 1968.

324506. ARECASTRUM ROMANZOFFIANUM (Cham.) Becc. Palmae. Palm.

324507. BRASSICA NAPUS L. Cruciferae. Rape.

Cultivated as mustard for large leaves.

324508. CARCIA PAPAYA L. Caricaceae. Papaya.

324509. COIX LACRYMA-JOBI L. Gramineae. Jobs-tears.

Originally from Tokyo, Japan.

324510. COIX LACRYMA-JOBI var. MA-YUEN (Romanet) Stapf Adlay.

Originally from Tokyo, Japan.

324511. CORDYLINE FRAGRANS (Ker) Planch. Liliaceae.

Cultivated in Botanical Garden. Originally from Guinea.

324512. CYPRESSUS FUNEBRIS Endl. Pinaceae. Mourning cypress.

Large trees cultivated in Sao Paulo. Origin China.

324513. ERIOBOTRYA JAPONICA (Thunb.) Lindl. Rosaceae. Loquat.

324514. EUTERPE EDULIS Mart. Palmae.

Cultivated in Botanical Garden.

324515. TABEBUIA IPE (Mart.) Standl. Bignoniaceae.

Tree small; flower large, rose.

324516 to 324522.

From Chile. Seeds presented by Cia. Molinos Y Fideos "Carozzi", Quilpue. Received Dec. 14, 1967. Numbered Jan. 8, 1968.

324516 and 324517. TRITICUM AESTIVUM L. Gramineae. Common wheat.

324516. 'Alifen'.

324517. 'Cabildofen'

324518 to 324521. TRITICUM DURUM Desf. Durum wheat.

324518. 'Candeal Americano'.

324521. 'Cappelli'.

324519. 'Candealfen 4'.

324520. 'Candealfen 5'.

'Capeiti'.

324522. TRITICUM sp. Wheat.

324523. MALUS sp. Rosaceae.

From Poland. Rooted cuttings presented by the Instytut Sadownictwa w Skieraiewicach, Skierniewice. Received Jan. 10, 1968.

'Budagovski No. 9'. (Red-leaved Paradise.)

324524. ERICA DOLIIFORMIS Salisb. Ericaceae.

From Germany. Plant presented by Palmengarten, Frankfurt am Main. Received Jan. 10, 1968.

'Evening Glow'.

324525. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From Afghanistan. Seeds presented by G. Gordon Hadley, Loma Lina, California. Received Jan. 11, 1968.

From Mazar-i-Sharif.

324526 to 324532.

From France. Seeds presented by J. Lefebvre, Florimond Desprez, Capelle par Templeuve, (Nord). Received Jan. 11, 1968.

324526. AVENA SATIVA L. Gramineae. Common oats.

FD 198. Flamande × Noire de Moyencourt.

324527 and 324528. HORDEUM VULGARE L. Gramineae.

324527. 'Mamie'. Mansholt × Kenia.

324528. 'Piri'. Rika × Piroline.

324529 to 324532. TRITICUM AESTIVUM L. Gramineae. Common wheat.

324529. 'Capnord'. (90 × Choisy 2-7 × Capelle) × Capelle.

324530. 'Capest'. (90 × Choisy 2-7) × Capelle.

324531. FD 2406. 'Heina'. Marne × Heine VII.

324532. 'Frances'. Capelle × (H du Joncquois × V.27)
(H. du Joncquois × P.L.M.) × D.Ro.

324533 to 324706.

From Hungary. Seeds presented by A. Janossy, National Institute of Agrobotany, Tapioszele. Received Jan. 11, 1968.

324533 to 324535. HORDEUM VULGARE L. Gramineae.

324533. I-4 686. Unknown.

324534. I-4-1522. Schonfinower 4-Zeilige.

324535. I-4-1551. Frimas.

324536 to 324692. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

324536. 'Aiguillee Verte'. 548.

324537. 'Aranyeso'. No. 4.

324538. 'Ascherlebener Kora'. No. 253.

324539. 'Bataaf'. No. 603.

324540. 'Bauernfreude'. No. 37.

324541. 'Beurre Perfection'. No. 32.

324542. 'Biala Exportowa'. No. 66.

324543. 'Black Princ'. No. 452.

324544. 'Budos Koszin'. No. 42.

324545. 'Cambridge Countess'. No. 516.

324533 to 324706—Continued**324536 to 324692—Continued**

324546. 'Canava'. No. 323.
324547. 'Cardine'. No. 64.
324548. 'Carmensita'. No. 47.
324549. 'Chumbinho opaco'. No. 373.
324550. 'Coco maine blanche precoce'. No. 28.
324551. 'Comette'. No. 186.
324552. 'Consista'. No. 475.
324553. 'Crussol'. No. 27.
324554. 'D 8003 Beautiful'. No. 420.
324555. 'Dickfleischige Wachs'. No. 286.
324556. 'Dnyepropetrovskaja bomba'. No. 385.
324557. 'Dobrogea'. No. 201.
324558. 'Dornburger Weisse'. No. 142.
324559. 'Dutsch Double Prinzess'. No. 720.
324560. 'Eislebener fruhe breite Wachs'. No. 53.
324561. 'Erfurter Speck'. No. 74.
324562. 'Fa-lan-dou'. No. 22.
324563. 'Fin de Bognoler'. No. 54.
324564. 'Fleissige Berta'. No. 206.
324565. 'Fromholds Treib'. No. 555.
324566. 'Fruhe Wachs II'. No. 126.
324567. 'F. Ruzenszkaja'. No. 205.
324568. 'Gh-175 a.'. No. 257.
324569. 'Goldquelle'. No. 131.
324570. 'Goldregen'. No. 55.
324571. 'Granda'. No. 101.
324572. 'Granda II'. No. 102.
324573. 'Gyongybab'. Landrace. No. 144.
324574. 'Harkovszkaja 4'. No. 386.
324575. 'Harzgruss'. No. 472.
324576. 'Haubnes fruhe Dickfleischige'. No. 301.
324577. 'Hindenburg Treib'. No. 295.
324578. 'Immertreu'. No. 133.
324579. 'Imperatore de Russia'. No. 105.
324580. 'Jalomiteana'. No. 148.
324581. 'Japanische Rostfrei'. No. 162.
324582. 'Jihmorovska bila krajova'. No. 705.
324583. 'Kaboon'. No. 85.
324584. 'Kaiser Wilhelm'. No. 106.
324585. 'Kapitan Weddingen'. No. 38.
324586. 'Karlsruhe Markt'. No. 107.
324587. 'Kenary'. No. 213.

324533 to 324706—Continued

324536 to 324692—Continued

- 324588. 'Kengyertya'. Landrace. No. 147.
- 324589. 'Kocovska bila'. No. 362.
- 324590. 'Koda'. No. 71.
- 324591. 'Kompas'. No. 180.
- 324592. 'Komsomolka'. No. 313.
- 324593. 'Kozepbab'. No. 266.
- 324594. 'Krakowska'. No. 69.
- 324595. 'Krasznodarskaja 19305'. No. 387.

Landraces:

- 324596. 'Bodrogaszai'. No. 692.
- 324597. 'Bodrogaszai'. No. 964.
- 324598. 'Erpataki'. No. 975.
- 324599. 'Kiskunmajasai'. No. 1113.
- 324600. 'Lengyeltoti-i'. No. 978.
- 324601. 'Nagyatadi'. No. 980.
- 324602. 'Penezleki'. No. 983.
- 324603. 'Puski-i'. No. 971.
- 324604. 'Somogyszobi'. No. 967.
- 324605. 'Lange Brech'. No. 175.
- 324606. 'Laposbab, feher'. No. 269.
- 324607. 'La Victorie'. No. 25.
- 324608. 'Majbab'. No. 270.
- 324609. 'Mangetout Enfant de Mont Calme'. No. 296.
- 324610. 'Marcellin'. No. 312.
- 324611. 'Mateszalkai'. No. 220.
- 324612. 'Mayorkain'. No. 216.
- 324613. 'Meisterwerk'. No. 81.
- 324614. 'Meksikanskaja'. No. 686.
- 324615. 'Metis Maireau'. No. 55.
- 324616. 'Metis Marocchino'. No. 702.
- 324617. 'Michelite'. No. 215.
- 324618. 'Michelets a longue cosse'. No. 396.
- 324619. 'Monroe'. No. 217.
- 324620. 'Montreuxi'. No. 111.
- 324621. 'Moriener st. 3055/40'. No. 698.
- 324622. 'M-2994'. No. 356.
- 324623. 'Nanko'. No. 94.
- 324624. 'Nasz × Ultra'. No. 607.
- 324625. 'Nimbus'. No. 21.
- 324626. 'Nimbus'. No. 49.
- 324627. 'Nobila'. No. 283.
- 324628. 'Noired d'Evian'. No. 58.

324533 to 324706—Continued**324536 to 324692—Continued**

324629. 'Nonpariel'. No. 127.
324630. 'Nouvel eremitage'. No. 26.
324631. 'Oberrader Breite Extra'. No. 290.
324632. 'Ohelsenia'. No. 48.
324633. 'Olomucka krehka'. No. 277.
324634. 'Orion'. No. 226.
324635. 'Orion bila'. No. 364.
324636. 'Ostfriesi'. No. 115.
324637. 'Pearlgreen'. No. 829.
324638. 'Perlicky'. No. 128.
324639. 'P.H.V. 233. Mayorquais'. No. 358.
324640. 'P.H.V. 235. Selection C.R.A.'. No. 359.
324641. 'P.H.V. 247. Coco blanc'. No. 360.
324642. 'Pisarecka zlutoluska'. No. 169.
324643. 'Plena'. No. 476.
324644. 'Predonne'. No. 230.
324645. 'Prince'. No. 116.
324646. 'Quedlinburger Robusa'. No. 119.
324647. 'Quittlinga'. No. 5.
324648. 'Ratte Keutels'. No. 591.
324649. 'Refjudzsi selenosztrugovaja bez volonka'. No. 78.
324650. 'Regente'. No. 77.
324651. 'Robusta'. No. 236.
324652. 'Roi de Belge'. No. 590.
324653. 'Sabo'. No. 709.
324654. 'Sans Rival'. No. 506.
324655. 'Sans Rival'. No. 572.
324656. 'Saxagold'. No. 135.
324657. 'Saxanova'. No. 470.
324658. 'Schreibers Fruhe'. No. 315.
324659. 'Schreibwalder'. No. 704.
324660. 'Schweizwr Marktbeherrscher'. No. 59.
324661. 'Sipka'. No. 20.
324662. 'Slavia'. No. 305.
324663. 'Sniezna Kula'. No. 354.
324664. 'Sonnengold'. No. 285.
324665. 'Sonnengold'. No. 569.
324666. 'Sultan'. No. 140.
324667. 'Super Metis'. No. 7.
324668. 'Supermichelet'. No. 60.
324669. 'Szevernaja zvezda'. No. 89.
324670. 'Szombathelyi lapos feher'. No. 77.

324533 to 324706—Continued**324536 to 324692—Continued**

324671. 'The Prince'. No. 453.
 324672. 'Transval'. No. 164.
 324673. 'Tschermaks Fadenlose Wachs'. No. 184.
 324674. 'Unerschopfliche'. No. 136.
 324675. 'Vachs Unerschopfl. No. 284.
 324676. 'Vilgelm'. No. 378.
 324677. 'Vilhelm'. No. 251.
 324678. 'Virgo'. No. 20.
 324679. 'Voorluk 56007'. No. 1.
 324680. 'Vtoraja pjatiletka'. No. 324.
 324681. 'Wachs Aristokrat'. No. 182.
 324682. 'Wachs Arnstrat Koch'. No. 185.
 324683. 'Weibulls Express'. No. 566.
 324684. 'Weiner Treib'. No. 122.
 324685. 'Weisse Kochbone'. No. 123.
 324686. 'Weisse Nieren'. No. 172.
 324687. 'Wunder Butter'. No. 300.
 324688. 'Wunder des Marktes'. No. 567.
 324689. 'Zelenostrucnaja'. No. 634.
 324690. 'Zucker Brech Phonix'. No. 299.
 324691. 'Zlaty klenot'. No. 514.
 324692. 'Zucker Butter Brech'. No. 553.

324693 to 324706. PISUM SATIVUM L. Leguminosae.**Pea.**

324693. 'Abesinijas'. No. 696.
 324694. 'Alzinskij'. No. 772.
 324695. 'Arakass'. No. 758.
 324696. 'Ascania'. No. 736.
 324697. 'Gris d'Hiver'. No. 805.
 324698. 'Konyek gorbunok'. No. 692.
 324699. 'Munchener-Banater-Wintererbse'. No. 785.
 324700. 'Munchener Weissbluhende Wintererbse'. No. 802.
 324701. 'Nischkes Riesengebirgs Wintererbse'. No. 759.
 324702. 'Unrra /972/'. No. 791.
 324703. 'Wunterbergische-Wintererbse Population'. No. 807.
 324704. /DDR./ No. 659.
 324705. No. 830. From France.
 324706. No. 833. From Romania.

324707 and 324708. LYCOPERSICON (hybrid). Solanaceae.

From Bulgaria. Seeds presented by Director C. Daskaloff, Institute of Genetics and Plant Breeding, Sofia. Received Jan. 15, 1968.

(*L. pimpinellifolium* × *L. esculentum* 'Earliana'). Resistant to bacterial canker.

324707. No. 3. Suitable breeding parent; no commercial value.

324707 and 324708—Continued

324708. No. 8/12. Open-pollinated progeny of P.I. 324707.

Plant 80 to 100 cm. tall, good dark-green foliage cover. Inflorescence simple, 6 to 8 flowers. Fruit firm, smooth, ovate, two celled, green shoulders, small stem scar, crack resistant; mean weight 40 to 50 gms., dry matter 5.5 percent; suitable for canning.

324709. SCHIZOPHRAGMA HYDRANGEOIDES Sieb. & Zucc. Saxifragaceae.

From England. Plant presented by John Beattie, Ivy College, Reigate Heath, Reigate, Surrey. Received Jan. 15, 1968.

324710. VICIA sp. Leguminosae.

From the United States. Plants grown at National Plant Materials Center, Soil Conservation Service, Beltsville, Md. Received Jan. 15, 1968.

Component of P.I. 314155. Flowers red; peduncle long.

324711. LOLIUM MULTIFLORUM Lam. Gramineae.

Italian ryegrass.

From Afghanistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Beltsville, Maryland. Received Nov. 9, 1960. Seeds held by Regional Plant Introduction Station, Pullman, Washington. Numbered Jan. 15, 1968.

Component of P.I. 269385.

324712. DOMBEYA BURGESSIAE Gerrard Sterculiaceae.

From Kenya. Seeds collected by Robert E. Perdue, Jr., Crops Research Division, Plant Industry Station, Beltsville, Maryland. Numbered Jan. 15, 1968.

Col. No. 8010.

324713 to 324839. AVENA STERILIS L. Gramineae.

Animated oats.

From the United States. Seeds grown in southern California from collections made in the Mediterranean region by a joint expedition in 1964 of the Research Branch, Canada Department of Agriculture and the Welsh Plant Breeding Station, Aberystwyth.

Numbered Jan. 15, 1968.

Originally from Turkey.

324713. C.W. 372. Bodrum.

324714. C.W. 374. Halfway between Bodrum and Karaova.

Originally from Greece.

324715. C.W. 376. Thirty km. east of Corinth.

324716. C.W. 377. Athens.

324717. C.W. 378. Corinth.

324718. C.W. 379. Athens, seashore.

324719. C.W. 380. Twenty-nine km. southeast of Athens.

324720. C.W. 384. Halfway between Varkiza and Anavissos.

324721. C.W. 386. Mt. Hymetos.

324722. C.W. 392. Naousa.

324723. C.W. 393. Naousa.

324724. C.W. 394. Five km. south of Aghia Varvara, Crete.

324713 to 324839—Continued

324725. C.W. 395. Pirgos, Crete.
 324726. C.W. 396. Pirgos, Crete.
 324727. C.W. 397. Messara Station, Crete.
 324728. C.W. 398. Phaestos, Crete.
 324729. C.W. 399. St. Titus' church, Crete.
 324730. C.W. 402. Ierapetra, Crete.
 324731. C.W. 403. Knossos, Crete.
 324732. C.W. 404. Knossos, Crete.

Originally from Italy.

324733. C.W. 409. Bari Airport.
 324734. C.W. 410. Bari Airport.
 324735. C.W. 412. Rome Coliseum.
 324736. C.W. 413. Livorno.
 324737. C.W. 414. Rome Airport.
 324738. C.W. 415. Rome.
 324739. C.W. 416. Rome, old Via Appia.
 324740. C.W. 417. Rome, old Via Appia.

Originally from Sicily.

324741. C.W. 419. Capaci.
 324742. C.W. 420. Four km. east of Cinisi.
 324743. C.W. 421. Bolognetta.
 324744. C.W. 422. Misilmeri.
 324745. C.W. 424. Trabia.
 324746. C.W. 427. Ten km. east of Agrigento.
 324747. C.W. 428. Halfway between Palma and Licata.
 324748. C.W. 429. Ten km. west of Gela.
 324749. C.W. 430. Ten km. north of Gela.
 324750. C.W. 431. Prioto.
 324751. C.W. 432. Twenty-seven km. east of Gela.
 324752. C.W. 434. Francofonte.
 324753. C.W. 435. Five km. north of Lentini.
 324754. C.W. 436. Ten km. south of Catania.
 324755. C.W. 439. Near Paterno.
 324756. C.W. 440. Via 192 Paterno.

Originally from Sardinia.

324757. C.W. 445. Twenty km. northeast of Cagliari.
 324758. C.W. 446. Monastir.
 324759. C.W. 447. Between Sardara and Sanluri.
 324760. C.W. 448. Uras.
 324761. C.W. 449. Five km. northwest of Sassari.
 324762. C.W. 450. Twenty km. northeast of Sorso.
 324763. C.W. 451. Nine km. west of Castel Sardo.

324713 to 324839—Continued

Originally from Corsica.

- 324764. C.W. 452. West of Ajaccio.
- 324765. C.W. 453. West of Ajaccio.
- 324766. C.W. 454. Biguglia.

Originally from Libya.

- 324767. C.W. 456. Ghemines.
- 324768. C.W. 457. Sidi Abdul Atti.
- 324769. C.W. 458. Solluk.
- 324770. C.W. 459. Dariana.
- 324771. C.W. 460. Between Dariana and Tocra.
- 324772. C.W. 461. Between Dariana and Tocra.
- 324773. C.W. 462. Birsis.
- 324774. C.W. 463. Birsis.
- 324775. C.W. 464. Farzaugha.
- 324776. C.W. 465. Bayoda.
- 324777. C.W. 466. Lothroun.
- 324778. C.W. 467. Messa.
- 324779. C.W. 468. Lothroun.
- 324780. C.W. 471. Technis.
- 324781. C.W. 472. Technis.
- 324782. C.W. 474. Abiar.
- 324783. C.W. 475. Al-Guarsha.
- 324784. C.W. 476. Nofolia.
- 324785. C.W. 477. Eddafina.
- 324786. C.W. 478. Khoms.
- 324787. C.W. 479. Tarhuna.
- 324788. C.W. 480. Al-Rgaiaat.
- 324789. C.W. 481. Al-Rgaiaat.
- 324790. C.W. 482. Al-Rgaiaat.
- 324791. C.W. 483. Al-Rgaiaat.
- 324792. C.W. 484. Sabratha.

Originally from Tunisia.

- 324793. C.W. 485. Tunis.
- 324794. C.W. 486. Zana.
- 324795. C.W. 487. Menzel Borguiba.
- 324796. C.W. 488. Menzel Borguiba.
- 324797. C.W. 489. Two km. southwest of Mateur.
- 324798. C.W. 490. Twelve km. northeast of Beja.

Originally from Algeria.

- 324799. C.W. 491. Algiers Airport.
- 324800. C.W. 493. Misserghin.
- 324801. C.W. 494. Misserghin.

324713 to 324839—Continued

324802. C.W. 494. Misserghin.
 324803. C.W. 496. Ten km. west of Oran.
 324804. C.W. 497. Ten km. west of Oran.
 324805. C.W. 499. Ten km. west of Oran.
 324806. C.W. 500. Ain El Turk.
 324807. C.W. 503. Bouisville.
 324808. C.W. 504. Bouisville.
 324809. C.W. 506. Bouisville.
 324810. C.W. 507. Bousfer.
 324811. C.W. 508. Bou-Ster.
 324812. C.W. 509. Bou-Ster.
 324813. C.W. 510. Bou-Ster.
 324814. C.W. 511. Misserghin.
 324815. C.W. 512. Four km. west of Bou-Ster.
 324816. C.W. 513. Kristel.
 324817. C.W. 514. Arcole.
 324818. C.W. 515. Arcole.
 324819. C.W. 516. Tabia.
 324820. C.W. 517. Three km. south of Ain El Turk.
 324821. C.W. 518. Bou Tlelis.

Originally from Morocco.

324822. C.W. 519. Tangier.
 324823. C.W. 520. Tangier.
 324824. C.W. 521. Tangier.
 324825. C.W. 522. Between Rabat and Meknes.
 324826. C.W. 523. Between Rabat and Keknes.
 324827. C.W. 524. Fifteen km. south of Tiflet.
 324828. C.W. 525. Thirty km. south of Tiflet.
 324829. C.W. 526. Oulmes.
 324830. C.W. 527. Oulmes.
 324831. C.W. 529. Oulmes.
 324832. C.W. 530. Tidas.
 324833. C.W. 531. Sefrou.
 324834. C.W. 532. Sefrou.

Originally from Gibraltar.

324835. C.W. 533. On the Rock.
 324836. C.W. 534. On the Rock.
 324837. C.W. 535. On the Rock.

Originally from Spain.

324838. C.W. 537. Madrid.
 324839. C.W. 538. Madrid.

324840 to 324879. SACCHARUM (hybrid) Gramineae.

Sugarcane.

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received Jan. 16, 1968.

- 324840. 'Chynia'.
- 324841. 'Dehradun I'. (*S. spontaneum*).
- 324842. 'Dehradun II'. (*S. spontaneum*).
- 324843. 'Dhaur Alig'. (*S. spontaneum*).
- 324844. 'Fiji' B'.
- 324845. 'Java Hebbal'.
- 324846. 'Kansar'.
- 324847. 'Karia'.
- 324848. 'Khakai'.
- 324849. 'Lalri'.
- 324850. 'Meligelli'.
- 324851. 'Nepal'. (*S. spontaneum*).
- 324852. 'Pararia'.
- 324853. P'111.
- 324854. Co. 407.
- 324855. Co. 607.
- 324856. Co. 975.
- 324857. Co. 1295.
- 324858. Co. 6301.
- 324859. Co. 6304.
- 324860. Co. 6305.
- 324861. Co. 6314.
- 324862. Co. 6320.
- 324863. Co. 6415.
- 324864. Co. 62175.
- 324865. 96 NG 24A.
- 324866. POJ 501.
- 324867. I.A. 133.
- 324868. I.A. 996.
- 324869. I.A. 1046.
- 324870. I.A. 1344.
- 324871. I.A. 1390.
- 324872. I.A. 1481.
- 324873. I.A. 1499.
- 324874. I.A. 1517.
- 324875. I.A. 1523.
- 324876. SES 103.
- 324877. SES 184A.
- 324878. SES 527.
- 324879. Co-6602.

- 324880 to 324883.** *CYDONIA OBLONGA* Mill. Rosaceae. **Quince.**
 From France. Seeds presented by the Station de Recherches D'Arboriculture et D'Oenologie, Belle-Beille, Angers. Received Jan. 16, 1968.
324880. C-5-R. 324882. C-255.
 324881. C-75-10. 324883. C-256.
- 324884.** *PYRUS PASHIA* Buch.-Ham. ex Don Rosaceae.
 From India. Seeds presented by the Horticultural Division, Indian Agricultural Research Institute, New Delhi. Received Jan. 16, 1968.
- 324885 and 324886.** *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae. **Sweetpotato.**
 From New Zealand. Tubers presented by Department Scientific and Industrial Research, Otara, through J. C. Miller, Department of Horticulture, Louisiana State University, Baton Rouge, Louisiana. Numbered Jan. 17, 1968.
324885. No. 255. Originally from Port Moresby, Australian New Guinea. (May be identical with P.I. 286619.)
 324886. No. 394. Originally from Vila, New Hebrides.
- 324887.** *IPOMOEA BATATAS* (L.) Lam. **Sweetpotato.**
 From the United States. Tubers presented by J. C. Miller, Department of Horticulture, Louisiana State University, Baton Rouge, La. Numbered Jan. 17, 1968.
 Original source unknown.
- 324888.** *IPOMOEA BATATAS* (L.) Lam. **Sweetpotato.**
 From Taiwan. Tubers collected by A. L. Neville, Columbia, South Carolina. Numbered Jan. 17, 1968.
- 324889.** *IPOMOEA BATATAS* (L.) Lam. **Sweetpotato.**
 From Peru. Tubers presented by L. W. Nielson, Department of Plant Pathology, North Carolina State University, Raleigh, North Carolina. Numbered Jan. 17, 1968.
 'Camote Amarillo'.
- 324890.** *HIBISCUS CANNABINUS* L. Malvaceae. **Kenaf.**
 From Ghana. Seeds presented by S. Y. Amanquah, Crops Research Institute, Ghana Academy of Sciences, Kumasi. Received Jan. 17, 1968.
 From Ashiaman, near Tema.
- 324891 to 324904.**
 From the United States. Plants submitted through C. N. Hittle, University of Illinois, Urbana. Originally from Poland unless otherwise stated. Numbered Jan. 17, 1968.
- 324891 and 324892.** *MEDICAGO SATIVA* L. Leguminosae. **Alfalfa.**
 324891. Col. No. A-1074. 'Sandomierska'. Plants medium erect, to 105 cm., vigorous; flowers purple, lilac, variegated.
 324892. Col. No. A-1075. 'San Pedro'. Originally from Peru. Submitted through Howard Kaerwer, Northrup King & Company, Minneapolis, Minn. Plant 'Hairy Peruvian' type, medium erect, vigorous; stems to 107 cm. long; flowers purple.
- 324893 to 324896.** *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urb.
 324893. Col. No. A-1070. 'Miechowska'. Plant nearly erect, 80 cm. high, vigorous; leaflets medium large; flowers purple.

324891 to 324904—Continued**324893 to 324896—Continued**

324894. Col. No. A-1071. 'Pulawska'. Plant medium erect, to 170 cm., vigorous; leaflets medium large; flowers purple or variegated.

324895. Col. No. A-1072. 'Wrelkopolska'. Plant medium erect, to 78 cm., vigorous; leaflets medium large; flowers purple or variegated.

324896. Col. No. A-1073. 'Kleszczewska'. Plant medium erect, to 85 cm., vigorous; leaflets medium large; flowers purple, much variegated.

324897. *TRIFOLIUM HYBRIDUM* L. Leguminosae. **Alsike clover.**

Col. No. A-1069. 'Zorza'. Plant prostrate, vigorous, medium maturity; stems 70 cm. long; flowers pink or white.

324898 to 324901. *TRIFOLIUM PRATENSE* L. **Red clover.**

324898. Col. No. A-1063. 'Gloria'. Plant medium erect, to 60 cm. high, vigorous, medium maturity; flowers pink.

324899. Col. No. A-1064. 'Hruszowska'. Plant medium erect to 73 cm. high, vigorous, medium maturity.

324900. Col. No. A-1065. 'Radzikowska'. Plant medium erect, to 63 cm. high, vigorous, medium maturity; flowers pink.

324901. Col. No. A-1066. 'Skrzeszowicka'. Plant medium erect, to 60 cm. high, vigorous, medium maturity; flowers pink.

324902. *TRIFOLIUM REPENS* L. **White clover.**

Col. No. A-1068. 'Hollandicum'. Plant prostrate, vigorous, late; stems 15 cm. long; flowers white.

324903. *TRIFOLIUM REPENS* f. *GIGANTEUM* Larg.-Fosset **Ladino clover.**

Col. No. A-1067. Plant prostrate, vigorous, late; stems 25 cm. long; flowers white.

324904. *TRIPSACUM DACTYLOIDES* L. Gramineae. **Eastern gamagrass.**

Col. No. A-1062. Originally from the United States. Submitted by Kling Anderson, Kansas State University, Manhattan, Kansas. Plant to 2 m. high, vigorous, uniform, late, hardy.

**324905 and 324906. *LEUCAENA LEUCOCEPHALA* (Lam.) De Wit
Leguminosae. **Leadtrees.****

From El Salvador. Seeds collected by Arthur T. Semple, Longmont, Colorado, for the University of Hawaii. Received Jan. 18, 1968.

324905. Col. No. 1. Hacienda Carrera, near Usultan. First tree in lane north of main dairy barn. Very fertile black soil. Elevation 10 m. Tree to 10 m. high, trunk 20 to 25 cm. diameter. Seeds collected from ground under tree.

324906. Col. No. 5. Experiment Station with ponds near Santo Cruz Porillo. Mixed seed sample from two or more trees.

324907 and 324908.

From Guatemala. Seeds collected by Arthur T. Semple, Longmont, Colorado, for the University of Hawaii. Received Jan. 18, 1968.

324907. *BROSIMUM ALICASTRUM* Swartz. Moraceae. **Bread-nut tree.**

Col. No. 7. Local name: Vamon. Near ruins at Tikal, Peten. Tree large, producing 200 pounds of nutlike fruits.

324908. *LEUCAENA LEUCOCEPHALA* (Lam.) De Wit Leguminosae.

Leadtrees.

Col. No. 6. Local name: Guaje o yaje. From Finca Trujillo, property of Don Luis A. Cordon, Usumatlan, Zacapa.

324909 to 324911.

From Honduras. Seeds collected by Arthur T. Semple, Longmont, Colorado, for the University of Hawaii. Received Jan. 18, 1968.

324909. CENTROSEMA sp. Leguminosae.

Col. No. 2. Near artificial lake at Escuela Agricola Panamericana, Zamorano. Vinelike; stems fine; leaves narrow, few.

324910. DESMODIUM BARBATUM (L.) Benth. Leguminosae.

Col. No. 4. In pasture crossed by new airstrip at Escuela Agricola Panamericana, Zamorano. Plant large, vigorous.

324911. DOLICHOS LABLAB L. Leguminosae. Hyacinth-bean.

Col. No. 3. Near library at Escuela Agricola Panamericana, Zamorano. Vine; flowers in two shades of purple.

324912 to 324920.

From Mexico. Seeds collected by Arthur T. Semple, Longmont, Colorado, for the University of Hawaii. Received Jan. 18, 1968.

324912. INDIGOFERA ~~sp.~~ ^{aff. *inciliata* Sem.-Det. (Serm 35)} Leguminosae.

Col. No. 9. Along highway from Merida, beyond Tical, Yucatan where thick stands of almost pure *Bouteloua* sp. are common.

324913 to 324918. LEUCAENA LEUCOCEPHALA (Lam.) De Wit Leguminosae. Leadtree.

324913. Col. No. 8. Local name, Huaxin. Ungrazed, thick growth of bushes near windmill at end of Seventh Calle, Merida, Yucatan, beyond ISSSTE hospital. Tree to 10 feet high. Pods green.

324914. Col. No. 10. Near House of Turtles at ruins of Uxmal, Yucatan. Pods wide.

324915. Col. No. 11. Local name, Huaxin. Ungrazed, thick growth of bushes near windmill at end of Seventh Calle, Merida, Yucatan. Tree small; pods green; considerable insect damage. Tree in same locality as P.I. 324913.

324916. Col. No. 14. Local name, Huaxin. In abandoned lot near Km. 1071, on edge of Uman toward Merida. Pods very smooth, almost completely free of insect damage. Flowers both mature and immature.

324917. Col. No. 16. Ruins of Dzibichaltun between Merida and Progreso, Yucatan.

324918. Col. No. 17. Ruins of Dzibichaltun between Merida and Progreso, Yucatan. Different tree from P.I. 324917.

324919. LEUCAENA sp.

Col. No. 12. Local name, Salan. Lone tree along highway near top of ridge beyond Muna from Merida, Yucatan, about 0.20 km. below the cross. Tree showed signs of pollarding. Bushel-size parasite growing on upper part of one branch.

324920. LEUCAENA sp.

Col. No. 13. Local name, Salan. About 20 m. west of cross at top of ridge beyond Muna from Merida, Yucatan. Tree small with signs of pollarding.

324921 to 324923. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From Iran. Seeds presented by United States Agency for International Development, Tehran. Original stock received from All-Union Institute of Plant Industry, Leningrad, Soviet Union. Received Jan. 18, 1968.

Grown in 1967 at Varamin Cotton Station near Tehran.

324921 to 324923—Continued

324921. K333.

324922. No. 1574.

324923. No. 3876.

324924. GLYCINE MAX (L.) Merr. Leguminosae. Soybean.

From Rhodesia. Seeds presented by J. R. Tattersfield, Department of Research and Specialist Services, Salisbury Research Station, Salisbury. Received Jan. 19, 1968.

‘Rhosa’. (Lincoln x Blyvoor).

324925. PYRACANTHA CRENULATA (D. Don) Roemer Rosaceae. Nepal firethorn.

From England. Plants presented by Treseders Nurseries (Truto) Ltd., Cornwall. Numbered Jan. 19, 1968.

‘Lownde’s Early Red’.

324926 to 324930. TRITICUM DURUM Desf. Gramineae. Durum wheat.

From Argentina. Seeds presented by A. L. Chabrillon, Instituto Nacional de Tecnologia Agropecuaria, Parana. Received Jan. 19, 1968.

Pedigree of 12:61 is: C. Durumbuck x (Yt.54 x N.10-B.21)

(Durum No2)Te2 x Lakota.

324926. 12:61-(1T)-3T-1T-2B-2T-1B.

324927. 12:61-(7T)-16T-1B-10T-2B-2T.

324928. 12:61-(8T)-5T-2aT-2B-1T-1B.

324929. 12:61-(8T)-5T-2aT-2B-2T.

324930. 12:61-(12T)-5T-1T-2B-2T-1B.

324931 to 324939. TRITICUM DURUM Desf. Durum wheat.

From Tunisia. Seeds presented by the Institut National de la Recherche Agronomique de Tunisie, Ariana, through K. L. Lebsock, North Dakota State University, Fargo, North Dakota. Received Jan. 19, 1968.

324931. BD 1342. 55 BV-6-b-c (Baladi x Akkar). Resistant to *Septoria tritici*.324932. BD 1407-B.(53 AB-5 x Kyperunda-Kambouric). Resistant to *Puccinia striiformis* and *P. recondita*.324933. BD 1499. Ethiopian. Resistant to *Puccinia recondita* and *P. graminis*.

324934. BD 1522. Arabian. Rust resistant.

324935. BD 1548. (Kyperunda x Yrellourico). Resistant to *Septoria tritici* and *Puccinia recondita*.324936. BD 1575. Maliani 6. Resistant to *Septoria tritici*.

324937. BD 1588. Ethiopian dicocum type.

324938. D 56-89-c. (LD 341 x (Mahmoudi-M Rari)2): Resistant to *Puccinia graminis*.

324939. D 58-25-A. (Mahmoudi 981 r Kyperunda). Productive, early.

324940 to 325078.

From Taiwan. Seeds collected by John L. Creech, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Numbered Jan. 22, 1968.

324940 to 325078—Continued

324940. *ABIES KAWAKAMII* (Hayata) Ito. Pinaceae.

Col. No. 1556. Mt. Hohuan. Open, grassy meadow with rhododendron and juniper. Elevation 3,100 m. Handsome fir with pyramidal habit when young; cones large, purple, upright.

324941. *ACER MORRISONENSE* Hayata. Aceraceae.

Col. No. 1468. On Tsu-shan at edge of summit. Elevation 2,400 m.

324942. *ACER TAITONMONTANUM* (Hayata) Li

Col. No. 1559. Below Lishan on shale cliff. Elevation 2,200 m. Tree small, to 4.5 m. high, straggly habit; leaves yellow.

324943. *ACER* sp. Aceraceae.

Col. No. 1572. Along road between Lishan and Hohuan. Elevation 2,100 m. Leaves lobed, bright red.

324944 and 324945. *ACTINIDIA LATIFOLIA* (Gardn. & Champ.) Merr. Actinidiaceae.

324944. Col. No. 1601. Along roadside near Sun-moon Lake. Elevation 1,000 m. Straggly vine differing from *A. chinensis* by lack of dense hairs on stems and fruit. Cuttings.

324945. Col. No. 1602. Along roadside near Sun-moon Lake. Elevation 1,000 m. Vine growing high in tree tops; fruit ovoid in dense clusters, lacks hairiness of *A. chinensis*. Seeds.

324946. *ALNUS FORMOSANA* (Burk.) Mak. Betulaceae.

Col. No. 1476. Ta-shan, a small wooded mountain near Alishan. Elevation 2,200 m.

324947 and 324948. *ARDISIA CRISPA* (Thunb.) A. DC. Myrsinaceae.

324947. Col. No. 1460. Growing as undershrub in broadleaved forest on Mt. Tatung, Taipeh. Elevation 500 m.

324948. Col. No. 1538. Growing among azaleas on cliff near roadside near Wushi. Shrub to 0.9 m. high; fruit red.

324949. *ARDISIA* sp. Myrsinaceae.

Col. No. 1587. At Lin-hua-chi, evergreen forest. Elevation 1,100 m. Evergreen tree, small; fruit black.

324950. *ARISAEMA* sp. Araceae.

Col. No. 1479. In forest undergrowth on Tsu-shan, Alishan. Elevation 2,400 m. Ovoid; fruit red.

324951. *BERBERIS KAWAKAMII* Hayata Berberidaceae.

Col. No. 1513. On trail to Mt. Morrison, in shady places. Elevation 3,200 m.

324952 and 324953. *BERBERIS MORRISONENSIS* Hayata

324952. Col. No. 1499. On slopes of Mt. Morrison in open shale. Elevation 3,920 m.

324953. Col. No. 1504. On Mt. Morrison, open shale area. Elevation 3,970 m.

324954. *CALLICARPA FORMOSANA* Rolfe Verbenaceae.

Col. No. 1532. Sunny places along river, Kanko. Very common. Small shrub; flowers in axillary cymes; fruit prolific, in clusters, purple.

324955 and 324956. *CAMELLIA NOKOENSIS* Hayata Theaceae.

324955. Col. No. 1550. Evergreen forest along roadside on route to Mt. Hohuan. Cuttings.

324940 to 325078—Continued

324955 and 324956—Continued

324956. Col. No. 1588. At Lin-hua-chi forest, along logging road. Evergreen shrub; fruit small, globose, two seeded, rather local in distribution. Seeds.

324957. *CAMELLIA SALICIFOLIA* Champ. ex Benth.

Col. No. 1584. In evergreen forest at Lin-hua-chi Station. Elevation 1,100 m. Camellia with axillary flowers, small, drooping.

324958. *CAMELLIA* sp. Theaceae.

Col. No. 1585. In evergreen forest at Lin-hua-chi. Leaves lanceolate, shiny.

324959. *CARPINUS KAWAKAMII* Hayata Betulaceae.

Col. No. 1574. Along road between Lishan and Hohuan, Elevation 2,100 m. Tree small, deciduous; fruit in catkin; nutlets glandular.

324960 and 324961. *CASTANOPSIS CARLESII* (Hemsl.) Hayata Fagaceae.

324960. Col. No. 1591. At Lin-jua-chi Forestry Station near Sun-moon Lake. Elevation 1,000 m. Evergreen tree, trunk straight; fruit in spikes; acorns ovoid.

324961. Col. No. 1592. Lin-hua-chi Forestry Station. Evergreen oak; leaves large; acorns small.

324962. *CASTANOPSIS HYSTRIX* A. DC.

Evergreen chinquapin.

Col. No. 1590. At Lin-hua-chi Forestry Station. Elevation 1,000 m. Evergreen tree to 40 m. high.

324963. *CELASTRUS* sp. Celastraceae.

Col. No. 1548. Along track to Mt. Hohuan. Elevation 2,500 m. Climbing on evergreen oaks.

324964. *CHAMAECYPARIS OBTUSA* var. *FORMOSANA* (Hayata) Rehder Pinaceae.

Col. No. 1521. Mt. Alishan, in pine stand. Elevation 2,300 m.

324965. *CLEYERA JAPONICA* Thunb. Theaceae.

Col. No. 1545. Evergreen forest along road to Mt. Hohuan, 2,200 m. above Sun-shi.

324966 to 324968. *COTONEASTER MORRISONENSIS* Hayata Rosaceae.

324966. Col. No. 1495. On path to Mt. Morrison. Elevation 3,000 m. Prostrate evergreen; fruit red.

324967. Col. No. 1519. On rock walls and loose boulders, lower elevations of Mt. Morrison. Elevation 2,900 m.

324968. Col. No. 1553. Open grassy slopes near Mt. Hohuan. Elevation 3,200 m. Shrub, low, prostrate; fruit red endemic to high grasslands, in northern parts of island.

324969. *CUNNINGHAMIA LANCEOLATA* (Lamb.) Hook. Pinaceae.

Col. No. 1540. Along roadside near Wushi, road to Mt. Hohuan.

324970. *DAPHNIPHYLLUM PENTANDRUM* var. *OLDHAMII* (Hemsl.) Hurusawa Euphorbiaceae.

Col. No. 1599. Sun-moon Lake, Nantao. Evergreen tree, fruits black.

324971. *DEUTZIA PULCHRA* Vidal Saxifragaceae.

Col. No. 1475. Ta-shan on sunny bank along trail to mountain top.

324972 and 324973. *EUONYMUS ECHINATUS* Wall. in Roxb. Celastraceae.

324940 to 325078—Continued

324972 and 324973—Continued

324972. Col. No. 1477. On path to top of Tsu-shan as a liana. Elevation 2,400 m. Evergreen vine with spined fruits enclosing a bright red aril.

324973. Col. No. 1558. Below Lishan in mixed conifer, oak forest. Elevation 2,400 m. Scrambling vine, probably evergreen; fruit green with red aril.

324974. *EUONYMUS PALLIDIFOLIA* Hayata

Col. No. 1498. On path to Mt. Morrison, among rocks. Elevation 3,100 m. Upright shrub, evergreen; capsule lovely pink, opening flat, giving whole plant appearance of flowering.

324975. *EURYA CRENATIFOLIA* (Yamamoto) Kobuski Theaceae.

Col. No. 1462. Along roadside, below Lishan, in broadleaved evergreen forest. Elevation 2,200 m. Evergreen, small leaved species, characterized by more than 5 stamens; fruit small, purple black.

324976. *EURYA GLABERRIMA* Hayata

Col. No. 1511. In sunny places along trail from Mt. Morrison. Elevation 3,300 m.

324977. *GARDENIA AUGUSTA* (L.) Merrill Rubiaceae.

Col. No. 1589. Lin-hua-chi, along logging road in evergreen forest. Elevation 1,000 m. Evergreen shrub, leaves entire, opposite; fruit ellipsoid cupped by persistent calyx tube. Possible value as rootstock.

324978 and 324979. *GAULTHERIA BORNEENSIS* Stapf Ericaceae.

324978. Col. 1488. On Rulin-shan in covered moist areas, Morrison Range. Elevation 2,500 m.

324979. Col. No. 1510. Shady places, on trail to Mt. Morrison. Elevation 3,300 m.

324980. *GAULTHERIA CUMINGIANA* Vidal.

Col. No. 1470. On Tsu-shan, growing as subshrub along path. Elevation 2,300 m.

324981. *GLYCOSMIS PENTAPHYLHA* (Retz.) Correa Rutaceae.

Col. No. 1527. Along path near river at Kanko. Elevation 300 m. Shrub, small; flowers white.

324982. *GORDONIA AXILLARIS* (Roxb.) Dietrich. Theaceae.

Col. No. 1575. Evergreen forest along road between Lishan and Hohuan. Elevation 2,100 m. highest elevation for this species. Evergreen tree, in full bloom; flowers large, white.

324983. *HELICIA FORMOSANA* Hemsl. Proteaceae.

Col. No. 1531. Sunny places, near river bank at Kanko. Evergreen tree, small; flowers in long axillary racemes. Potential small shade for southern localities.

324984. *HYDRANGEA CHINENSIS* Maxim. Saxifragaceae.

Col. No. 1539. Among azaleas on cliff above road at Wushi. Evergreen shrub.

324985. *HYDRANGEA INTEGRIFOLIA* Hayata ex Matsum. & Hayata

Col. No. 1568. Above Lishan, climbing on oaks, rare. Elevation 2,600 m. Evergreen vine; leaves large, entire.

314986. *HYPERICUM* sp. Guttiferae.

Col. No. 1464. Growing around buildings on Mt. Alishan. Elevation 2,300 m. Flowers large, yellow.

324940 to 325078—Continued

324987 and 324988. *ILEX PUBESCENS* Hook. & Arn. Aquifoliaceae.

324987. Col. No. 1534. Near streambank, dense wooded area near Kanko. Tree, small, evergreen; flowers in short axillary racemes.

324988. Col. No. 1600. Sun-moon Lake, along roadside. Elevation 1,200 m. Shrub, straggly, evergreen; fruit small, red.

324989 and 324990. *JUNIPERUS FORMOSANA* Hayata Pinaceae.

324989. Col. No. 1554. Mt. Hohuan, open grassy meadow with rhododendrons and cotoneaster. Elevation 3,000 m. Plant prostrate, small due to high elevation.

324990. Col. No. 1557. Mt. Hohuan, alpine meadow, mixed with fir. Elevation 3,100 m. Plant low growing, almost prostrate.

324991 and 324992. *JUNIPERUS SQUAMATA* Buch.-Ham. ex Lambert.

324991. Col. No. 1500. Mt. Morrison, growing in loose shale. Elevation 3,900 m. Decumbent form.

324992. Col. No. 1508. Mt. Morrison, open, loose shale. Elevation 3,990 m.

324993. *KETELEERIA DAVIDIANA* (Bertrand) Beissner. Pinaceae.

Col. No. 1583. Lin-hua-chi Forestry Station near Sun-moon Lake. Large conifer with two-ranked lustrous leaves; cones erect. Germination reported difficult.

324994. *LAGERSTROEMIA SUBCOSTATA* Koehne. Lythraceae.

Col. No. 1536. Sunny place along path to Kanko. Elevation 300 m. Deciduous tree; flowers pink in showy terminal clusters.

324995. *LASIANTHUS CHINENSIS* Benth. Rubiaceae.

Col. No. 1526. Shaded banks along river bed near Kanko. Shrub; flowers in dense clusters; fruit black.

324996. *LASIANTHUS CYANOCARPUS* Jack.

Col. No. 1530. Shady places along path near Kanko. Elevation 300 m. Shrub, small; flowers in axillary clusters; fruit bright blue.

324997. *LASIANTHUS PLAGIOPHYLLUS* Hance.

Col. No. 1528. Wooded, shady area near Kanko. Evergreen shrub; flowers in axillary clusters, white; fruit blue.

324998. *LIGUSTRUM MICROCARPUM* Kanehira & Sasaki Oleaceae.

Col. No. 1469. Open sunny, sandstone area, on Tsu-shan. Elevation 2,400 m.

324999. *LIGUSTRUM MORRISONENSE* Kanehira & Sasaki

Col. No. 1518. Sunny places along trail to Mt. Morrison. Elevation 2,900 m. Leaves minute.

325000. *LILIUM PHILIPPINENSE* var. *FORMOSANUM* (Baker) Wils. ex Grove Liliaceae.

Col. No. 1497. On path to Mt. Morrison. Small lily; flowers white.

325001. *LONICERA ACUMINATA* Wall. Caprifoliaceae.

Col. No. 1471. On Tsu-shan, mixed with azaleas. Elevation 2,300 m. Vine, scandent, half evergreen; leaves opposite lanceolate; fruit blue in terminal umbel.

325002 and 325003. *LYONIA OVALIFOLIA* (Wall.) Drude Ericaceae.

325002. Col. No. 1456. Near sulfur hot spring on Mt. Tatung, Taipeh. Elevation 600 m. Shrub, evergreen, small; leaves thick, coriaceous; flowers in axillary racemes.

324940 to 325078—Continued

325002 and 325003—Continued

325003. Col. No. 1472. On Tsu-shan, growing in sandstone bank
Elevation 2,350 m.

325004. *MALUS FORMOSANA* (Kaw. & Koidz) Kaw. Rosaceae.

Col. No. 1543. Along mountain road near Sunkan. Elevation 2,100 m.

325005. *MELOTHRIA* sp. Cucurbitaceae.

Col. No. 1525. Along path between Quai-san and Kanko. Vine; fruit
spindle shaped, bright red.

325006. *OSMANTHUS HETEROPHYLLUS* (G. Don) P.S. Green Oleaceae.

Col. No. 1494. Growing along path on Rulin-shan, near Tung-pu. Eleva-
tion 2,500 m.

325007. *PASANIA BREVICAUDATA* (Skan) Schottky Fagaceae.

Col. No. 1593. Lin-hua-chi Forestry Station near Sun-moon Lake.
Elevation 1,000 m. Evergreen oak to 20 m. high; trunk straight; large
handsome acorns.

325008. *PHOTINIA* sp. Rosaceae.

Col. No. 1524. Between Quai-san and Kanko. Elevation 300 m.

325009. *PHOTINIA* sp.

Col. No. 1549. On edge of escarpment, road to Mt. Hohuan. Elevation
2,500 m.

325010. *PHOTINIA* sp.

Col. No. 1579. Chabooti, small logging station. Elevation 300 m.
Evergreen shrub; fruit red.

325011 to 325013. *PIERIS TAIWANENSIS* Hayata Ericaceae.

325011. Col. No. 1462. From plants growing in garden at Mt. Alishan.
Elevation 2,200 m.

325012. Col. No. 1483. In open meadow on Rulin-shan, Morrison Range.
Elevation 2,600 m. Evergreen shrub, low, compact; young leaves and
flower clusters bright reddish.

325013. Col. No. 1490. Open meadow on Rulin-shan. Elevation 2,700 m.

325014. *PITTOSPORUM DAPHNIPHYLLOIDES* Hayata Pittosporaceae.

Col. No. 1569. Along roadside above Lishan; hanging from roadside
cliff. Elevation 2,300 m. Evergreen shrub, epiphytic; fruit red.

325015. *PLATYCARYA STROBILACEA* Sieb. & Zucc. Juglandaceae.

Col. No. 1573. Dry area, along road between Lishan and Hohuan.
Elevation 2,100 m. Tree, deciduous, to 12 m. high; fruit is conelike catkin.
Rare.

325016. *PRUNUS PHAEOSTICTA* (Hance) Maxim. Rosaceae.

Col. No. 1542. Along road in evergreen forest near Sunkan. Elevation
2,100 m.

325017. *PRUNUS* sp.

Col. No. 1605. Dry area along roadside, Sun-moon Lake. Tree deciduous,
straggly; fruit black; rather poor habit.

325018. *PSYCHOTRIA RUBRA* (Lour.) Poir Rubiaceae.

Col. No. 1581. Lin-hua-chi, Nantou County, on road to Sun-moon Lake.
Evergreen shrub, small; fruit red.

325019. *QUERCUS ACUTISSIMA* Carruthers Fagaceae.

Col. No. 1577. Dry area along road from Lishan to Hohuan. Elevation
2,000 m.

324940 to 325078—Continued

325020. QUERCUS sp.

Col. No. 1560. Evergreen-conifer forest along road below Lishan. Elevation 2,300 m. Evergreen tree; acorns small.

325021. QUERCUS sp.

Col. No. 1578. Evergreen forest along road between Lishan and Hohuan. Elevation 2,200 m.

325022. RANDIA COCHINCHINENSIS (Lour.) Merr. Rubiaceae.

Col. No. 1582. Lin-hua-chi, along logging road near Sun-moon Lake. Elevation 1,000 m. Evergreen tree, small; flowers in axillary racemes.

324023 and 324024. RHODODENDRON ELLIPTICUM Maxim. Ericaceae.

325023. Col. No. 1570. Along mountain road between Lishan and Hohuan. Elevation 2,200 m. Evergreen shrub; characterized by peculiarly long thin capsules; flowers pink.

325024. Col. No. 1576. In evergreen forest along road from Lishan to Hohuan. Elevation 2,000 m.

325025. RHODODENDRON FORMOSANUM Hemsl.

Col. No. 1463. From small garden at Mt. Alishan. Elevation 2,200 m.

325026. RHODODENDRON KANEHIRAI Wilson

Col. No. 1533. Near public school, Kanko, Taipei County. Elevation 400 m. Similar to *Rhododendron indicum*.

325027. RHODODENDRON KAWAKAMII Hayata

Col. No. 1522. Mt. Alishan, on trunk of dead conifer. Elevation 2,200 m. Epiphytic rhododendron; flowers reportedly yellow.

325028. RHODODENDRON LASIOSTYLUM Hayata

Col. No. 1596. At Sun-moon Lake on cliffsides above road. Evergreen shrub, low; flowers white or pale pink, in clusters of 2 to 3.

325029 to 324034. RHODODENDRON MORII Hayata

325029. Col. No. 1461. In small garden of cultivated species native to Alishan. Elevation 2,287 m.

325030. Col. No. 1485. In shady areas among conifers on Rulin-shan, Morrison Range. Elevation 2,600 m.

325031. Col. No. 1486. Along path in shade of conifers on Rulin-shan, Morrison Range. Elevation 2,600 m.

325032. Col. No. 1555. Open grassy meadow, above tree line at Mt. Hohuan. Elevation 3,200 m. Plant small, spreading; dense habit.

325033. Col. No. 1565. Open grassland on Mt. Hohuan. Elevation 3,300 m. Plant very compact; leaves small; dense habit.

325034. Col. No. 1566. Open alpine meadow, Mt. Hohuan. Elevation 3,100 m. Plant compact, dense; flowers white.

325035. RHODODENDRON NAKAHARAI Hayata

Col. No. 1458. Near sulfur spring in Mt. Tatung, Taipeh. Elevation 600 m. Small, almost prostrate azalea; flowers scarlet, funnel form.

325036 to 325039. RHODODENDRON OLDHAMII Maxim.

325036. Col. No. 1457. Along roadside on Mt. Tatung, Taipeh. Elevation 800 m. Azalea; branches upright, covered with dense hairs.

325037. Col. No. 1459. Open meadow on Mt. Tatung, Taipeh. Elevation 700 m. Azalea; branches upright, covered with hairs.

324940 to 325078—Continued

325036 to 325039—Continued

325038. Col. No. 1537. Growing on cliffs along mountain road. Wushi on road to Sun-moon Lake.

325039. Col. No. 1571. Along roadside between Lishan and Hohuan. Elevation 2,200 m. Stems lack usual hairiness of *R. oldhamii*; flowers not seen.

325040. RHODODENDRON OVATUM (Lindl.) Planch.

Col. No. 1580. At Cha-bao-ti, a logging station, below Lishan. Elevation 1,000 m. Evergreen shrub; flowers solitary, pink.

325041. RHODODENDRON PSEUDOCHRYSANTHUM Hayata

Col. No. 1520. From top of Mt. Morrison. Elevation 3,998 m.

325042 to 325049. RHODODENDRON RUBROPILOSUM Hayata

325042. Col. No. 1465. Along mountain path on Mt. Tsu-shan. Elevation 2,300 m.

325043. Col. No. 1466. On Tsu-shan. Sandstone mountain. Elevation 2,400 m.

325044. Col. No. 1473. Along path, sandstone area, on Tsu-shan. Elevation 2,350 m.

325045. Col. No. 1489. On Rulin-shan, open meadows mixed with *Pieris*. Elevation 2,600 m.

325046. Col. No. 1496. On path to Mt. Morrison, rocky area. Elevation 3,100 m. Azalea; flowers pink.

325047. Col. No. 1509. Along trail, Mt. Morrison. Elevation 3,500 m.

325048. Col. No. 1541. Growing at edge of pasture, above Wushi.

325049. Col. No. 1564. Open grassland at Hohuan, scattered through hillsides. Elevation 3,100 m. Plants very compact, probably due to high elevation.

325050 to 325055. RHODODENDRON PSEUDOCHRYSANTHUM Hayata

325050. Col. No. 1501. On Mt. Morrison. Elevation 3,950 m.

325051. Col. No. 1502. On Mt. Morrison. Elevation 3,960 m.

325052. Col. No. 1503. On Mt. Morrison. Elevation 3,970 m.

325053. Col. No. 1505. On Mt. Morrison, open loose shale. Elevation 3,970 m.

325054. Col. No. 1506. On Mt. Morrison, below top of mountain in loose shale. Elevation 3,980 m.

325055. Col. No. 1507. On Mt. Morrison, open loose shale. Elevation 3,980 m.

325056. ROSA sp. Rosaceae.

Col. No. 1517. Sunny places along trail to Mt. Morrison. Elevation 3,000 m.

325057. ROSA sp. Rosaceae.

Col. No. 1547. Along track to Mt. Hohuan, open meadow. Elevation 2,500 m.

325058. RUBIA AKANE Nakai Rubiaceae.

Col. No. 1515. On Mt. Morrison. Single plant growing among barberries. Elevation 3,000 m.

325059. RUBUS FORMOSENSIS O. Kuntze Rosaceae.

Col. No. 1514. Usually scrambling over plants in moist areas, sunny localities. Elevation 3,100 m.

324940 to 325078—Continued

325060. *SAGERETIA RANDAIENSIS* Hayata Rhamnaceae.

Col. No. 1529. Along path, shaded places near Kanko. Elevation 4,100 m. Evergreen shrub, rare; flowers in terminal panicle.

325061. *SARCANDRA GLABRA* (Thunb.) Nakai Chloranthaceae.

Col. No. 1535. Shady areas along path to Kanko. Sub-shrub, evergreen; fruit bright orange.

325062. *SHIZANDRA CHINENSIS* (Turcz.) H. Baill. Magnoliaceae.

Col. No. 1544. In evergreen forest, scrambling over trees, above Sunkan. Elevation 2,200 m.

325063. *SKIMMIA REEVESIANA* Fortune. Rutaceae.

Col. No. 1478. On path to Tsu-shan. Elevation 2,400 m. Growing as an epiphyte, evergreen; fruit red in terminal clusters.

325064. *SPIRAEA* sp. Rosaceae.

Col. No. 1480. On Tsu-shan, Ali-shan. Elevation 2,400 m. Shrub, small.

325065 to 325067. *STRANVAESIA NIITAKAYAMENSIS* (Hayata) Hayata Rosaceae.

325065. Col. No. 1467. On Tsu-shan, growing along path among azaleas. Elevation 2,400 m.

325066. Col. No. 1474. Ta-shan, along road to mountain top. Elevation 2,300 m.

325067. Col. No. 1552. Along mountain road above Sunkan, open sunny place. Elevation 2,600 m.

325068. *STYRAX FORMOSANA* Matsum. Styracaceae.

Col. No. 1598. Sun-moon Lake. Elevation 1,000 m. Tree deciduous, straggly; flowers white, pendulous; seeds ripe.

325069. *STYRAX SUBERIFOLIA* Hook. & Arn.

Col. No. 1597. Sun-moon Lake, Nantou County. Shrub, deciduous, at edge of evergreen forest.

325070 and 325071. *TAIWANIA CRYPTOMERIOIDES* Hayata Pinaceae.

325070. Col. No. 1603. Chi-to Forestry Station. Elevation 1,500 m. Endemic conifer; rare.

325071. Col. No. 1604. Chi-to Forestry Station, Taichung. Elevation 1,500 m.

325072. *TSUGA CHINENSIS* (Franch.) Pritz. Pinaceae.

Col. No. 1487. On Rulin-shan, Morrison Range, as a dominant species. Elevation 2,600 m.

325073. *TUTCHERIA SHINKOENSIS* (Hayata) Nakai Theaceae.

Col. No. 1586. At Lin-hua-chi in evergreen forest. Elevation 1,200 m. Tree, evergreen, small; fruit spherical, splitting lengthwise; seeds attached to persistent column.

325074. *VACCINIUM EMARGINATUM* Hayata Ericaceae.

Col. No. 1546. Along road to Mt. Hohuan, temperate rain forest, above Sun-shi. Elevation 2,400 m.

325075. *VACCINIUM* sp.

Col. No. 1512. Shady moist areas on trail to Mt. Morrison. Elevation 3,200 m.

324940 to 325078—Continued

325076 and 325077. *VIBURNUM LUZONICUM* Rolfe Caprifoliaceae.

325076. Col. No. 1563. In evergreen forest below Lishan. Elevation 2,200 m. Evergreen shrub, to 3 m. high; fruit in cyme, red.

325077. Col. No. 1567. Above Lishan, along mountain road. Elevation 2,600 m. Deciduous shrub; fruit in terminal, nodding clusters, red.

325078. *VIBURNUM LUZONICUM* var. *FORMOSANUM* (Hance) Rehd. in Sarg.

Col. No. 1594. At Sun-moon Lake. Elevation 1,200 m. Deciduous shrub; fruit in terminal clusters, red.

325079 to 325084. *ARACHIS HYPOGAEA* L. Leguminosae.

From Nigeria. Seeds presented by C. Harkness, Institute for Agricultural Research, Samaru, Zaria. Received Jan. 24, 1968.

325079. A 62. Nigerian local from Zaria area. Large seeded.

325080. A 63. Nigerian local from Zaria area. Large seeded.

325081. A 64. Selected at Sokoto Government Farm, Kassarawa. Runner, seed 3 per pod, white; very poor yield.

325082. A 65. Leko district, Ganye Native Authority, Sardauna Province. Runner, leaves broad, typical; seed large.

325083. VE 6512. Local Spanish type. Deep pod constrictions; early.

325084. XBU 595. Bulk selection of local spreading bunch type used as male parent for growth characteristics.

325085 to 325092.

From Denmark. Seeds presented by L. Weisberg, Hortus Leonis, pr. Hvalso. Received Jan. 22, 1968.

325085. *ALLIUM AFLATUNENSE* B. Fedtsch. Liliaceae.

325086. *ALLIUM ALBOPILOSUM* C. H. Wright

325087. *ALLIUM FLAVUM* var. *PULCHELLUM* (Don) Regel

325088. *ALLIUM KARATAVIENSE* Regel

325089. *ALLIUM MOLY* L.

325090. *ALLIUM ROSENBACHIANUM* Regel

325091. *ALLIUM SCHOENOPRASUM* L.

Chive.

325092. *ALLIUM URSINUM* L.

325093 to 325105.

From the Republic of South Africa. Seeds presented by H. B. Rycroft, National Botanic Gardens, Kirstenbosch, Newlands, Cape thru Plant Introduction Officer, Department of Agricultural Technical Services, Pretoria. Received Jan. 22, 1968.

325093. *GLADIOLUS ALATUS* L. Iridaceae.

325094. *GLADIOLUS BLANDUS* Ait.

325095. *GLADIOLUS CARDINALIS* Curtis

325096. *GLADIOLUS GRACILIS* Jacq.

325097. *GLADIOLUS INVOLUTUS* DelaRoche

325098. *GLADIOLUS MACOWANII* Baker

325099. *GLADIOLUS ORCHIDIFLORUS* Andr.

325100. *GLADIOLUS PERMEABILIS* Delar.

325101. *GLADIOLUS PRAELONGITUBUS* A. J. Lewis

325093 to 325105—Continued325102. *GLADIOLUS PSITTACINUS* var. *COOPERI* Baker325103. *GLADIOLUS RECURVUS* L.325104. *GLADIOLUS VAGINATUS* F. Bolus325105. *GLADIOLUS VENUSTUS* G. J. Lewis**325106. TRITICUM AESTIVUM L. Gramineae. Common wheat.**

From Hungary. Seeds presented by the National Institute of Agrobotany, Taposzele. Received Jan. 22, 1968.

'Ban Kuti 1201'.

325107 to 325111. GOSSYPIUM HIRSUTUM L. Malvaceae. Upland cotton.

From Brazil. Seeds presented by Division of Plant Introduction, Instituto Agronomico, Campinas, Sao Paulo. Received Jan. 24, 1968.

325107. I.A.C. RM. 3.

325108. I.A.C. RM. 4.

325109. I.A.C. 12-2.

325110. I.A.C. 13.

325111. I.A.C. 13 4/44.

325112 and 325113. BRASSICA OLERACEA var. CAPITATA L. Cruciferae. Cabbage.

From Wales. Seeds presented by Q.O.N. Kay, Department of Botany, University College of Swansea, Swansea. Received Jan. 24, 1968.

Limestone seacliffs near Llandudno. Elevation 300 feet. Native.

325112. Plant 1. Wild.

325113. Plant 2. Wild.

325114 to 325125. GLYCINE WIGHTII (R. Grah. ex Wight & Arn.) Verdcourt Leguminosae. 311470

From Tanzania. Seeds grown in 1966 and presented by Northern Research Centre Tengeru, Atusha. Received Jan. 24, 1968.

325114. UK 674. (KN/64181). From Masailand, (Kisongo).

325115. UK 675. (KN/56166). From Kitale, Kenya.

325116. UK 676. (T463). From Kongwa.

325117. UK 678. From Ukiriguru near Mwanza.

325118. UK 679. From Ukiriguru near Mwanza.

325119. UK 6647. (K609). From Rhodesia. Origin Kitale, Kenya.

325120. UK 6655. (T9764). From Bunka Estates near Atusha. Origin Tengeru.

325121. UK 6657. (T5564). From Tengeru, Northern Research Center near Atusha.

325122. UK 6659. (T1165). From Masama, Moshi.

325123. UK 6661. (7564). From Sisal Research Station, Ngomeni, near Tanga.

325124. UK 6695. From Serere Research Station. Local origin.

325125. UK 66104. Kongwa Ranch, Kongwa.

325126 to 325131.

From India. Seeds presented by C. L. Madan, Regional Research Laboratory, Jammu and Kashmir. Received Jan. 24, 1968.

325126 to 325131—Continued

325126. *DATURA METEL* var. *FASTUOSA* (L.) Safford Solanaceae.
 325127. *DATURA QUERCIFOLIA* HBK. Oakleaf datura.
 325128. *DATURA STRAMONIUM* var. *CHALYBEA* Koch.
 325129. *DATURA STRAMONIUM* var. *GORDONII* DANERT Danert
 325130. *DATURA STRAMONIUM* var. *TATULA* (L.) Torr.
 325131. *DATURA WRIGHTII* Regel

325132. *PRUNUS PERSICA* (L.) Batsch Rosaceae. Peach.

From Maryland. Scions presented by J. S. Hamilton, 8510 Landover Road, Landover. Received Jan. 24, 1968.

'Michael Gold'.

325133 to 325155.

From the United States. Seeds grown at Regional Plant Introduction Station, Iowa State University, Ames, Iowa. Numbered Jan. 29, 1968.

325133. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. Squash.

Col. No. A-1108. 'Gold Nugget'. ('Tapley's Bush' × 'Banquet') × 'Banquet'. Developed by N. S. Holland, Department of Horticulture, North Dakota State University. Bush with short internodes. Fruit round oblate, 590 gms.; shell hard, red orange; flesh dark gold orange, fine texture, no fiber, dense, 3 cm. thick; early; 8 per plant.

325134 to 325155. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

Originally from G. A. Kemp, Canada Agricultural Research Station, Lethbridge, Alberta, Canada.

325134. Col. No. A-685. 'Early Lethbridge'. Vine determinate, medium small, early. Fruit medium set, globe, 4 to 6 cm. diameter; flesh red; skin yellow; nonfasciated.

325135. Col. No. A-686. 'Earlicrop'. Vine determinate, medium small, medium early. Fruit medium set, oblate, 5 to 8 cm. diameter; flesh red; skin yellow; slightly fasciated.

Originally from Louis Cry, Provincial Horticultural Station, Brooks, Alberta, Canada.

325136. Col. No. A-690. 'Red Bobs'. Selection from sixth generation Alred × Cloche Wonder. Vine determinate, medium small, medium early. Fruit medium set, oblate; 5 to 7 cm. diameter; flesh red; skin yellow; medium fasciated; crack free.

325137. Col. No. A-691. 'Globetrotter'. Selection from sixth generation Alred × Cloche Wonder. Vine determinate, medium small, medium early. Fruit medium set, oblate, 5 to 8 cm. diameter; flesh red; skin yellow; slight fasciation, crack free.

Originally from Leningrad Plant Introduction Institute, Soviet Union, through L. H. Lyallfi Canada Agricultural Research Station, Ottawa.

325138. Col. No. A-1019. Selection from 'Krasnjdar 590'. Vine indeterminate, medium small, medium maturity. Fruit medium set, oblate, 6 to 8 cm. diameter; flesh red; skin yellow; slight fasciation, medium cracking.

325139. Col. No. A-1020. Selection from 'Sovetskij 679'. Vine indeterminate, medium size, medium early maturity. Fruit oblate, 6 to 10 cm. diameter, red; skin yellow; slight fasciation, slight cracking.

325140. Col. No. A-1021. Selection from 'Rybka 52'. Vine indeterminate, medium small, medium late. Fruit ovate, 7 by 4.5 cm., flesh red; skin yellow; slight fasciation, no cracking.

325133 to 325155—Continued

325134 to 325155—Continued

325141. Col. No. A-1022. Selection from 'Percerskij 278'. Vine indeterminate, medium large, medium maturity. Fruit oblate, 6 to 9 cm. diameter, flesh red; skin yellow; slight fasciation, medium radial cracks.
325142. Col. No. A-1023. Selection from 'Rannij Visserskij 1880'. Vine indeterminate, medium size, medium maturity. Fruit 5 to 9 cm. diameter, oblate; flesh red; skin yellow; much fasciation, medium concentric and radial cracks.
325143. Col. No. A-1024. Selection from 'Harbarovskij 131'. Vine indeterminate, medium size, medium maturity. Fruit ovate, 6 by 4.5 cm.; flesh red; skin yellow; no fasciation, slight cracking.
325144. Col. No. A-1025. Selection from 'Ahtabenskij 85'. Vine indeterminate, medium size, medium maturity. Fruit globe, 7 to 10 cm. diameter; flesh red; skin yellow; light set; slight fasciation, slight cracking.
325145. Col. No. A-1027. Selection from 'Novcerkasskij 416'. Vine indeterminate, medium size, medium maturity. Fruit oblate, 7 to 10 cm. diameter; flesh red; skin yellow; medium fasciation, medium cracking.
325146. Col. No. A-1114. 'Young'. From Texas. Vine indeterminate, large, medium maturity. Fruit globe, 7 to 10 cm. diameter; flesh red; crack resistant, early. Immune to *Fusarium* wilt.
325147. Col. No. 6158. 'Centennial'. From West Virginia. Vine indeterminate, large medium late maturity. Fruit medium set, globe 6 to 10 cm.; flesh red; skin yellow; slight fasciation, radial cracking.
From Cheyenne Horticultural Field Station, Wyoming.
325148. Col. No. A-1119. 'Cereza'. Vine indeterminate, medium size, medium maturity. Fruit medium heavy set, globe, 2.5 cm.; flesh red; skin yellow; no fasciation or cracks.
325149. Col. No. A-1120. 'Cisco'. Vine indeterminate, medium small, medium maturity. Fruit light medium set, globe, 5.5 cm.; flesh red; skin yellow; no fasciation, medium severe concentric, slight radial cracking.
325150. Col. No. A-1121. 'Fargo Self-pruning'. Vine indeterminate, medium small, medium early maturity. Fruit medium set, globe, 5 to 8 cm.; flesh red; skin yellow; slight fasciation, medium concentric and radial cracking.
325151. Col. No. A-1122. 'Friestate'. Vine indeterminate, medium size, medium maturity. Fruit light-medium set, 5 to 9 cm.; flesh red; skin yellow; slight fasciation, medium cracking.
325152. Col. No. A-1123. 'Garland'. Vine indeterminate, medium size, medium late. Fruit light-medium set, globe, 5 to 8.5 cm.; flesh red; skin yellow; slight fasciation, medium cracking.
325153. Col. No. A-1124. 'La Victorede Derg'. Vine indeterminate, medium small, medium maturity. Fruit globe, 5 to 7 cm.; flesh red; skin yellow; slight fasciation, medium concentric, radial cracking.
325154. Col. No. A-1126. 'Uberreich'. Vine indeterminate, medium small, medium maturity. Fruit globe, 4.5 to 6 cm.; flesh red; skin yellow; no fasciation, medium concentric, slight radial cracking.
325155. Col. No. A-1127. 'Ventura'. Vine indeterminate, medium small, medium maturity. Fruit medium set, oblate, 6 to 8 cm.; flesh red; skin yellow; slight fasciation, medium cracking.

325156. MALUS SIEBOLDII (Regel) Rehd. Rosaceae.
Toringo crabapple.

From the United States. Tree growing at the United States Plant Introduction Station, Glenn Dale. Numbered Jan. 31, 1968.

B-35644. 'Fuji'. Semidouble-flowered form.

325157 to 325159.

From Venezuela. Plants collected by D. H. Timothy, University of North Carolina, Raleigh, North Carolina. Received Jan. 30, 1968.

325157. TRIPSACUM sp. Gramineae.

Col. No. 211. Monagas. In banana patch by road from Caripe to San Augustine, 15 km. from Caripe in view of hotel Guachero. Elevation 1,200 m.

325158. TRIPSACUM sp. Gramineae.

Col. No. 212. Monagas. In coffee planting, 12 km. from San Francisco to El Guachero. Elevation 1,025 m.

325159. TRIPSACUM sp. Gramineae.

Col. No. 227. Local name, Verba Gordona. Berecajal, Sucre.

325160 and 325161. VITIS VINIFERA L. Vitaceae.
European grape.

From Germany. Cuttings presented by the Biologische Bundesanstalt für Land- und Forstwirtschaft, Institut für Rebenkrankheiten, Bernkastel-Kues/Mosel. Received Feb. 1, 1968.

325160. 'Pinot noir'. Clone Gs. 3/67 - Z 68.

325161. 'Pinot noir'. Clone Gs. 3/67 - Z 65.

325162 to 325173. VACCINIUM × INTERMEDIUM Ruthe Ericaceae.

From England. Cuttings presented by the University of Keele, Keele, Staffordshire. Received Feb. 1, 1968.

Camp Hill, Maer, Staffordshire.

325162. 58/84.

325163. 66/59. Clone 1.

325164. 67/31. Clone 3.

325165. 67/31. Clone 7.

325166. 67/31. Clone 8.

325167. 67/31. Clone 9.

325168. 67/31. Clone 10.

325169. 67/31. Clone 11.

Swineholes Wood, Ipstones, Staffordshire.

325170. 63/39. Clone 4.

Oakamoor Starwood, Staffordshire.

325171. 64/65. Clone A.

325172. 64/65. Clone C.

Cannock Chase, Staffordshire.

325173. 64/69. Clone 1.

325174. CASSIA TOMENTOSA L. f. Leguminosae. Woolly senna.

From Mexico. Seeds presented by Francisco Juarez Lopez, Jardin Botanico, Ciudad Universitaria, Mexico, D. F. Received Feb. 2, 1968.

Collected at Pedregal de San Angel, southwest of Mexico, D. F.

00057

- 325175. PRUNUS PERSICA (L.) Batsch Rosaceae. Peach.**
From Kenya. Seeds purchased by R. E. Perdue, Jr., Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received Feb. 2, 1968.
Col. No. 9519. From Nairobi market. Originally from farm of Dr. Spears, Limuru, and Mrs. Morson, Kiambu. Purchased Jan. 22, 1968.
- 325176 and 325177. MALUS SYLVESTRIS Mill. Rosaceae. Apple.**
From Canada. Plants presented by the Horticulture Division, Central Experimental Farm, Ottawa. Received Feb. 6, 1968.
325176. 'Ottawa 3'.
325177. 'Ottawa 12'.
325178 to 325526.
From the Union of Soviet Socialist Republics. Seeds collected by Willis H. Skrdla, agricultural explorer, Crops Research Division, Regional Plant Introduction Station, Ames, Iowa. Numbered Feb. 2, 1968.
- 325178. ACER CAMPESTRE L. Aceraceae. Maple.**
Col. No. S-319. Stavropol region. Collective farm near Bekeshevskaya village. Low area near stream. Branches small; bark ridged, similar to *Euonymus* × *alatus*.
- 325179. ACONITUM sp. Ranunculaceae.**
Col. No. S-206. Stavropol region. Above Teberda village on top of Mt. Hatipara, south slope. Elevation 2,166 m. Seed from several plants.
- 325180. AGROPYRON CRISTATUM (L.) Gaertn. Gramineae. Crested wheatgrass.**
Col. No. S-83. Stavropol region. High ridge on rocky limestone soil, south of Stavropol.
- 325181. AGROPYRON ~~CRISTATUM~~ ^{*stipifolium* Czern. (Sum 39)} Nevski**
Col. No. S-256. Stavropol region. Wild material from plots at Stavropol Botanic Garden.
- 325182. AGROPYRON IMBRICATUM (Bieb.) Roem. & Schult.**
Col. No. S-261. Stavropol Botanic Garden. Southern Bessarabia.
- 325183. AGROPYRON INTERMEDIUM (Host) Beauv. Intermediate wheatgrass.**
Col. No. S-349. Stavropol region. Top of Mt. Mashuk above forest. Elevation 915 m. Seed from several plants. Leaf height 80 to 85 cm. Seed stalks to 1.5 m. high. Inflorescence 16 to 25 cm.
- 325184. AGROPYRON ~~LAVRENKOANUM~~ ^{*sibiricum* (Willd.) Beauv. (Sum 39)} Prokudin**
Col. No. S-258. Stavropol Botanic Garden. From near Stavropol, town of Svetlograd.
- 325185 to 325187. AGROPYRON PECTINIFORME Roem. & Schult.**
325185. Col. No. S-51. Askaniya Nova, southern Ukraine. From Reserve Stepp area.
325186. Col. No. S-257. Stavropol Botanic Garden. Originally from town of Mineral Waters.
325187. Col. No. S-262. Stavropol Botanic. From near Skefrsesk.
- 325188. AGROPYRON ~~PINIPOLIUM~~ ^{*imbricatum* (Bieb.) Roem. & Schult.} Nevski**
Col. No. S-260. Stavropol Botanic Garden. From near Novorossiisk.
- 325189. AGROPYRON SIBIRICUM (Willd.) Beauv. Siberian wheatgrass.**
Col. No. S-259. Stavropol Botanic Garden. From near Stavropol, about 32 km.

325178 to 325526—Continued

325190. AGROPYRON TRICHOPIHORUM (Link) Richt. Stiffhair wheatgrass.

Col. No. S-84. South of Stavropol, edge of a steppe, near woods.

325191. AGROPYRON ~~sp. under medicum~~ var. *Trichophorum* (Link) Kaban. (Sum 37)

Col. No. S-326. Stavropol region. About 3 km southeast of Kislovodsk, on high, dry knoll. Seed from several plants.

325192. AGROSTIS CAPILLARIS L. Gramineae. Rhode Island bentgrass.

Col. No. S-190. Stavropol region. Above Teberda village on top of Mt. Hatipara, open meadow. Elevation 1,860 m. Seed from several plants.

325193. AGROSTIS ~~sp.~~ *planifolia* C. Koch. (Sum 47)

Col. No. S-90. Stavropol region. On steppe near edge of forest, south of Stavropol.

325194. AGROSTIS ~~sp.~~ *tenuis* Sibth. (Sum 37)

Col. No. S-157. Stavropol region. South of Elycha in rocky range, edge of forest along narrow mountain road. Elevation 1,068 m.

325195. ALOPECURUS PRATENSIS L. Gramineae. Meadow foxtail.

Col. No. S-50. Askaniya Nova, southern Ukraine. Reserve Steppe area.

325196. ALOPECURUS SERICEUS Gaert.

Col. No. S-208. Stavropol region. Near Klukhor Lake, on south slope. Elevation 2,288 m. Seed from several plants. Prevalent in area; grows well in rocks.

325197 to 325201. AMARANTHUS RETROFLEXUS L. Amaranthaceae.

Rough pigweed.

325197. Col. No. S-55. Ukraine. In area of Melitopol Fruit Station No. 3. Seed from several plants.

325198. Col. No. S-56. Ukraine. In area of Melitopol Fruit Station No. 3. Seed from several plants.

325199. Col. No. S-57. Ukraine. In area of Melitopol Fruit Station No. 3. Seed from single plant. Head pinkish.

325200. Col. No. S-64. Stavropol region. Sixteen km. northwest of Stavropol.

325201. Col. No. S-343. Stavropol region. Thirteen km. east of Pyatigorsk on edge of cornfield. Plants to 1 m. high; heads reddish; stems with pronounced red stripes.

325202. ANTHYLIS VULNERARIA L. var. POLYPHYLLA D.C. Leguminosae.

Col. No. S-255. Stavropol region. Along roadside about 10 km. north of Teberda Reservation. Seed from several plants.

325203. ARRHENATHERUM ELATIUS (L.) Presl. Gramineae. Tall oatgrass.

Col. No. S-293. 'Krasnodarsky 137'. Stavropol Botanic Garden.

325204. ASPARAGUS OFFICINALIS L. Liliaceae. Garden asparagus.

Col. No. S-77. Stavropol region. In ravine 19 km. south of Stavropol.

325205. ASTRAGALUS CICER L. Leguminosae.

Col. No. S-330. Stavropol region. Three and two tenths km. southeast of Kislovodsk on steep north slope in tall grasses and legumes. Elevation 732 m. Plants large.

325206. ASTRAGALUS GLYCYPHYLLOIDES D.C.

Col. No. S-25. Crimea. Open woods 16 km. south of Simferopol.

325178 to 325526—Continued

325207. *ASTRAGALUS GLYCYPHYLLUS* L.

Col. No. S-24. Crimea. Open woods 16 km. south of Simferopol.

325208. *ASTRAGALUS PONTICUS* Pall.

Col. No. S-33. Crimea. Rocky slope, 64 km. west of Yalta. Elevation 275 m. Plants 70 to 80 cm. high; flowers bright yellow.

325209. *ASTRAGALUS* sp. *galegifolius* L. (Sum. 56)

Col. No. S-327. Stavropol region. Three km. southeast of Kislovodsk, on steep north slope. Elevation 732 m. Seed from single plant. Plant to 2 m. high, vigorous; thick stem, large.

325210. *AVENA SATIVA* L. Gramineae.

Common oats.

Col. No. S-305. 'Artemovsk'. Donated by Stavropol Institute for Agricultural Research. From experimental field. Reported resistant to cereal leaf beetle.

325211 and 325212. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng Gramineae.

King's Ranch bluestem.

325211. Col. No. S-30. Crimea. Rocky slopes above Foros. Elevation 732 to 915 m. Plants 10 to 30 cm. high, bunch type.

325212. Col. No. S-69. Stavropol region. Northeast of Novo Marioska. Elevation 458 m. Secondary or introduced grass. Forms dense sod cover under grazing conditions. Seed heads 45 to 50 cm. high.

325213 to 325217. *BRACHYPODIUM PINNATUM* (L.) Beauv. Gramineae.

Japanese falsebrome grass.

325213. Col. No. S-80. Stavropol region. Nineteen km. south of Stavropol on hillside.

325214. Col. No. S-135. Stavropol region. South of Elycha in rocky range. Elevation 915 m. Seed from single plant. Leaf height 35 to 40 cm.; seed stalk 80 to 85 cm. high.

325215. Col. No. S-294. Stavropol Botanic Garden. From Cossack village of Ispravnyaya.

325216. Col. No. S-337. Stavropol region. Three km. southeast of Kislovodsk, on north slope. Elevation 732 m. Leaves 45 to 50 cm. Dominant grass in area.

325217. Col. No. S-348. Stavropol region. Top of Mt. Mashuk just above forest. Elevation 915 m. Seed from single plant. Leaves 40 to 50 cm. high.

325218. *BRACHYPODIUM SYLVATICUM* (Huds.) Beauv. Falsebrome grass.

Col. No. S-218. Stavropol region. Near northern orphanage on Klukhov River. Elevation 1,556 m. Seed from several plants. Leaves 25 to 35 cm. high; 6 to 7 mm. wide.

325219. *BRACHYPODIUM* sp. *pinnatum* (L.) Beauv. (Sum 57)

Col. No. S-107. Stavropol region. Thrifty grass cover in orchard in partial shade, northeast slope of mountain.

325220. *BRASSICA KABER* (DC.) Wheeler Cruciferae.

Charlock.

Col. No. S-318. Stavropol region. Collected on collective farm near Bekeshevskaya village. Elevation 550 m. Seed from several plants.

325221. *BRIZA ELATIOR* J. E. Sm. Gramineae.

Col. No. S-89. Stavropol region. On steppe near edge of forest south of Stavropol.

325222. *BRIZA MARKOWICZII* Woronow

Col. No. S-192. Stavropol region. Above Teberda Village on top of Mt. Hatipara, open meadow. Elevation 1,861 m.

325178 to 325526—Continued

325223 to 325225. *BRIZA MEDIA* L.

Quaking grass.

325223. Col. No. S-163. Stavropol region. South of Elycha in rocky range. Elevation 105 m. Seed from many plants.

325224. Col. No. S-187. Stavropol region. Above Teberda village on top of Mt. Hatipara, open meadow. Elevation 1,830 m. Seed from several plants.

325225. Col. No. S-214. Stavropol region. Near northern orphanage on Klukhov River. Elevation 1,530 m. Seed from many plants.

325226. *BROMUS BIEBERSTEINII* Roem. & Schult. Gramineae.

Col. No. S-295. Stavropol Botanic Garden. From Mt. Verblud (Carmel).

325227. *BROMUS INERMIS* Leyss.

Smooth brome.

Col. No. S-48. Askaniya Nova Reserve. Steppe area.

325228. *BROMUS RIPARIUS* Rehm.

Col. No. S-88. Stavropol region. On steppe near edge of forest, south of Stavropol.

325229. *BROMUS INERMIS* Leyss.

Smooth brome.

Col. No. S-347. Stavropol region. On top of Mt. Mashuk, just above forest. Elevation 900 m. Seed from several plants. Plants to 0.5 m. high.

325230. *BROMUS INERMIS* Leyss.

Smooth brome.

Col. No. S-75. Stavropol region. In ravine 19 km. south of Stavropol.

325231 to 325236. *BROMUS RIPARIUS* Rehm.

325231. Col. No. S-87. Stavropol region. On steppe near woods, south of Stavropol.

325232. Col. No. S-165. Stavropol region. South of Elycha in rocky range, in open meadow. Elevation 990 m. Seed from several plants. Seed stalks 1.0 to 1.5 m. high.

325233. Col. No. S-184. Stavropol region. Above Teberda village on top of Mt. Hatipara, in open meadow. Elevation 1,830 m. Seed from several plants.

325234. Col. No. S-200. Stavropol region. Above Teberda village on top of Mt. Hatipara, south slope. Elevation 2,130 m. Seed from several plants.

325235. Col. No. S-245. Stavropol region. Along road, near Goralkol River. Elevation 1,260 m. Seed from many plants. Plants tall, seed 1.5 to 2.0 m.

325236. Col. No. S-249. Stavropol region. Hillside, 8 km. north of Teberda reservation near main road. Seed from several plants.

325237. *BROMUS INERMIS* Leyss.

Smooth brome.

Col. No. S-114. Stavropol region. Open meadow, near Mt. Strizhament, south of Stavropol. Elevation 560 m. Seed from many plants.

325238. *BROMUS* ~~sp.~~ *cappadocius* Boiss. & Bal. (Sum 39)

Col. No. S-117. Stavropol region. On virgin steppe area on top of Mt. Strizhament. Elevation 720 m.

325239 and 325240. *CALAMAGROSTIS ARUNDINACEA* (L.) Roth Gramineae.

325239. Col. No. S-161. Stavropol region. South of Elycha in rocky range, open meadow. Elevation 1,050 m. Leaves 66 to 70 cm. high; seed stalks to 1.5 m. high.

325240. Col. No. S-219. Stavropol region. Near northern orphanage of Klukhov River. South slope. Elevation 1,530 m. Leaves 50 to 55 cm. by 1.0 cm., stalks 1.25 m., bunch, vigorous.

B. variegatus Biéb.
(Sum. 47)

325178 to 325526—Continued

325241 to 325244. CALAMAGROSTIS EPIGEIOS (L.) Roth

325241. Col. No. S-79. Stavropol region. In ravine, 19 km. south of Stavropol.

325242. Col. No. S-136. Stavropol region. South of Elycha in rocky range. Elevation 915 m. Mountain species. Leaf height 70 to 75 cm., seed stalk 1.5 m. high.

325243. Col. No. S-166. Stavropol region. South of Elycha, in open meadow. Elevation 990 m. Leaf height 1 m.; seed stalks to 1.5 m. high.

325244. Col. No. S-211. Stavropol region. Near northern orphanage on Klukhov River. Elevation 1,530 m. Seed from many plants; forms good sod.

325245 and 325246. CALAMAGROSTIS PSEUDOPHRAGMITES (Hall. f.) Koel.

325245. Col. No. S-212. Stavropol region. Near northern orphanage on Klukhov River. Elevation 1,530 m. Seed from many plants, forms good sod.

325246. Col. No. S-213. Stavropol region. Near northern orphanage on Klukhov River, along roadside. Elevation 1,530 m.

325247. CALAMAGROSTIS ~~sp.~~ *epigeios* (L.) Roth (Sinn. 31)

Col. No. S-325. Stavropol region. Three km. southeast of Kislovodsk, near road. Elevation 720 m. Seed from many plants. Leaf height, 60 to 70 cm., coarse.

325248. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.

Watermelon.

Col. No. S-121. Stavropol region. Purchased at market. Local variety. Round, 25 cm. diameter; skin green; flesh reddish pink, sweet.

325249. CLEMATIS TANGUTICA (Maxim.) Korsh. Ranunculaceae.

Golden clematis.

Col. No. S-296. Stavropol Botanic Garden. Flowers yellow; seeds large, white, cottonlike ball.

325250. CORNUS ALBA L. Cornaceae.

Tatarian dogwood.

Col. No. S-44. Askaniya Nova Botanic Garden, southern Ukraine steppe area. From northern Siberia. To 4 m. high, bushy.

325251. CORNUS BRETSCHNEIDERI J. Henry

Dogwood.

Col. No. S-45. Askaniya Nova Botanic Garden, southern Ukraine steppe area. From northern China.

325252. CORNUS MAS L.

Cornelian-cherry.

Col. No. S-66. Stavropol region. Sixteen km. northwest of Stavropol. Plant 3.0 to 4.0 m.; fruit 2.0 by 1.3 cm., fleshy.

325253. CORNUS SANGUINEA L.

Col. No. S-46. Askaniya Nova Botanic Garden, southern Ukraine steppe area. From Caucasus and Crimea.

325254. CORNUS ~~WALTERI~~ *Wangerin* *alba* L. (Sinn. 54) Walter dogwood.

Col. No. S-47. Askaniya Nova Botanic Garden, southern Ukraine steppe area. From China. Plants to 1.5 m. high.

325255 to 325266. CORONILLA VARIA L. Leguminosae.

Crownvetch.

Crimea. On mountain above Yalta, along roadside. Forest on either side of road. Elevation 560 m.

325255. Col. No. S-9. Plants small; in gravelly soil.

325178 to 325526—Continued

325255 to 325266—Continued

325256. Col. No. S-12. Plants 20 to 30 cm. high.
325257. Col. No. S-59. Stavropol region. Eight km. northwest of Stavropol. Seed from several plants.
325258. Col. No. S-118. Stavropol region. Virgin steppe area on top of Mt. Strizhament. Elevation 720 m.
Stavropol region. South of Elycha in rocky range. Elevation 915 m.
325259. Col. No. S-129. Seed from single plant.
325260. Col. No. S-143.
325261. Col. No. S-148. Seed from several plants.
Stavropol region. Roadside along Goralkol River. Elevation 1,840 m.
325262. Col. No. S-234. Seed from several plants.
325263. Col. No. S-237. Seed from several plants.
325264. Col. No. S-247. Stavropol region. Hillside, 8 km. north of Teberda reservation, near main road. Seed from several plants.
325265. Col. No. S-335. Stavropol region. Three km. southeast of Kislovodsk near road, north slope. Elevation 720 m. Seed from several plants.
325266. Col. No. S-356. Stavropol region. On top of Mt. Razealka. Elevation 780 m. Seed from several plants.
325267. COTONEASTER DIELSIANA var. ELEGANS Rehd. & Wils. Rosaceae.
Col. No. S-40. Askaniya Nova Botanic Garden, southern Ukraine steppe area. From Western China. Bushy, 1. m. high; fruit 5 mm. in diameter.
325268. COTONEASTER INTEGERRIMA Medic. European cotoneaster.
Col. No. S-203. Stavropol region. Above Teberda village, on Mt. Hatipara, rocky south slope. Prostrate, 20 to 30 cm.; leaves turn red and purple in autumn; fruit bright red.
325269. COTONEASTER LUCIDA Schlecht.
Col. No. S-297. Stavropol Botanic Garden. Ornamental, hedge; to 1 m. high, bushy, leafy. *Lucida Schlecht, (Sum. 50)*
325270. COTONEASTER ~~MELANOCARPA~~ Lodd. *Lucida Schlecht, (Sum. 50)*
- Col. No. S-39. Askaniya Nova Botanic Garden, southern Ukraine steppe area. From southeastern Europe. To 2.5 m. high, leafy, bushy; fruit 8 mm. diameter.
325271. COTONEASTER ~~MICROPHYLLA~~ Wall. ex Lindl. *nitens Rehd. & Wilson (Sum 50)* Rockspray.
- Col. No. S-36. Askaniya Nova Botanic Garden, southern Ukraine steppe area. From Himalayas. To 3.5 m. high; fruit 8 mm. diameter, dark reddish purple; semi-evergreen.
325272. CRAMBE (hybrid) Cruciferae.
Col. No. S-265. (*C. pinnatifida* × *C. cordifolia*). Stavropol Botanic Garden. From village of Beskhragir, near Stavropol.
325273. CRAMBE ASPERA Bieb.
Col. No. S-267. Stavropol Botanic Garden. From area near village of Beskhragir, near Stavropol.
325274. CRAMBE JUNCEA Bieb.
Col. No. S-266. Stavropol Botanic Garden. From area near town of Svetlograd.

325178 to 325526—Continued**325275. CRAMBE ORIENTALIS L.**

Col. No. S-264. Stavropol Botanic Garden.

325276. CRAMBE TATARICA Sebeok

Col. No. S-263. Stavropol Botanic Garden. From near Moldavia.

325277. CRAMBE sp.

Col. No. 268. Stavropol Botanic Garden. From Kazakh.

325278. CRATAEGUS sp. Rosaceae.

Col. No. S-65. Stavropol region. Sixteen km. northwest of Stavropol. To 2 m. high. Fruit bright red, in pendulous clusters; flesh thick; seed small. Seed from single plant.

325279. CRATAEGUS sp.

Col. No. S-67. Stavropol region. Sixteen km. northwest of Stavropol. Plant to 4 m. high. Fruit large, purple; seed large.

325280. CRATAEGUS sp.

Col. No. S-71. Stavropol region. Southeastern part of Mt. Butchina opening, northwest of Stavropol. Elevation 360 m. Plant 3 to 4 m. high; fruit bright red.

325281. CUCUMIS MELO L. Cucurbitaceae.

Muskmelon.

Col. No. S-73. Market in Stavropol, probably grown in Karmlih. Flesh thick; flavor good, sweet.

325282 and 325283. CYNODON DACTYLON (L.) Pers. Gramineae.

Bermudagrass.

325282. Col. No. S-103. Stavropol region. Eight km. southeast of Stavropol, dry clay south slope. Elevation 540 m. From several plants, varying leaf size and stem diameter.**325283.** Col. No. S-176. Stavropol region. Eighty km. south of Stavropol, in open meadow near road.**325284 to 325307. DACTYLIS GLOMERATA L. Gramineae. Orchardgrass.****325284.** Col. No. S-19. Crimea. North slope of Ay-Petry Mountain, north of Yalta. Plants small, seed from many plants.**325285.** Col. No. S-81. Stavropol region. Nineteen km. south of Stavropol, side slope.**325286.** Col. No. S-91. Stavropol region. Steppe near forest south of Stavropol.**325287.** Col. No. S-93. Stavropol region. Northeast slope near forest south of Stavropol. Plants large.**325288.** Col. No. S-105. Stavropol region. Shade of forest on mountain along footpath. Elevation 540 m. Plants green, leafy, thrifty.**325289.** Col. No. S-108. Stavropol region. In old orchard on northeast slope of Mt. Strizhament. Elevation 570 m. Leaf height 20 to 30 cm.; seed stalks about 1.5 m. high. Seed from several plants.**325290.** Col. No. S-112. Stavropol region. Open steppe meadow, southeast of Stavropol; unmowed area. Elevation 540 m. Seed from several plants.

Stavropol Region. South of Elycha in rocky range. Elevation 900 m.

325291. Col. No. S-131. Seed from single plant.**325292.** Col. No. S-141. Northwest slope of ravine. Seed stalk 1.5 m. high. Seed from several plants.

325178 to 325526—Continued

325284 to 325307—Continued

325293. Col. No. S-142. Seed from several plants.
325294. Col. No. S-149. Seed from several plants. Plants large, vigorous; leaf height 75 cm. seed stalks to 1.5 m. high.
325295. Col. No. S-162. Seed from many plants. Leaf height 65 to 70 cm.; seed stalks 1.5 m. high.
- Stavropol region. Above Teberda village on top of Mt. Hatipara, open meadow. Elevation 1,830 m.
325296. Col. No. S-181. Seed from several plants. Ungrazed area.
325297. Col. No. S-191. Seed from several plants.
325298. Col. No. S-207. Stavropol region. Near Dombay tourist reservation. Elevation 1,440 m. Seed from several plants.
325299. Col. No. S-210. Stavropol region. Near northern orphanage on Klukhov River. Elevation 1,710 m. Seed from many plants.
325300. Col. No. S-221. Stavropol region. Along roadside, near northern orphanage on Klukhov River. Elevation 1,530 m.
325301. Col. No. S-222. Stavropol region. Low, wet area near Gonatskhir River. Elevation 1,440 m. Seed from many plants.
325302. Col. No. S-239. Stavropol area. Steep slope above mineral springs along Goralkol River. Elevation 1,530 m. Seed from many plants. Growing with *Galega* and other tall species.
325303. Col. No. S-241. Stavropol region. Along edge of hayfield near Goralkol River. Elevation 1,350 m. Plants to 50 cm. high; seed stalks 1.0 m. high. Seed from several plants.
- Stavropol region. Collective farm near Bekeshevskaya village. Elevation 540 m.
325304. Col. No. S-307. Seed from several plants.
325305. Col. No. S-315. Seed from several plants. Stalks to 1.5 m. high.
325306. Col. No. S-340. Stavropol region. Near road, 32 km. southeast of Kislovodsk. Elevation 720 m. Seed from several plants. Leaf height 30 to 40 cm.
325307. Col. No. S-346. Stavropol region. Top of Mt. Mashuk, edge of forest in partial shade. Elevation 900 m. Seed from several plants.
325308. *DAUCUS CAROTA* L. Umbelliferae. Carrot.
Col. No. S-78. Stavropol region. In ravine, 19 km. south of Stavropol.
325309. *DIANTHUS FRAGRANS* Adams Caryophyllaceae.
Col. No. S-132. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Grows in dry areas on rocky south slopes near top of hills. Seeds from several plants. Flowers white, 3.5 cm. diameter.
325310. *DIANTHUS LEPTOPETALUS* Willd.
Col. No. S-34. Southern Ukraine Steppe at Ashaniya Nova, on reserved steppe area. Flowers small, pink, 10 mm. diameter.
- 325311 to 325313. *DORYCNIUM INTERMEDIUM* Ledeb. Leguminosae.
325311. Col. No. S-3. Crimea. Along dry, gravelly roadside in Nikitsky Botanic Garden. Elevation 300 m.
325312. Col. No. S-6. Crimea. On mountain above Yalta, along roadside, in limestone soils. Elevation 750 m. Seed from several plants. Plants to 13 cm. high.

325178 to 325526—Continued

325311 to 325313—Continued

325313. Col. No. S-27. Crimea. Above Bear Mountain near Krasno Komenka on stony, limestone soil. Plants to 60 cm. high; leaves large.

325314. *ECHINOCHLOA CRUGALLI* (L.) Beauv. Gramineae.

Barnyardgrass.

Col. No. S-58. Ukraine. Melitopol. Near Melitopol Fruit Station No. 3. Seed from several plants.

325315. *ELYMUS SIBIRICUS* L. Gramineae.

Wildrye.

Col. No. S-298. Stavropol Botanic Garden. From Siberia, Krasnoyarsk region.

325316 to 325318. *EUONYMUS EUROPAEUS* L. Celastraceae.

European burningbush.

Stavropol region. Edge of forest south of Stavropol. Elevation 540 m.

325316. Col. No. S-95. Seed from single plant. Plant to 2 m. high. Fruit large, pink, in clusters; trunk and stems winged, appearing rectangular.

325317. Col. No. S-96. Seed from single plant. Plant to 2 m. high. Trunk and stem round.

325318. Col. No. S-98. Seed from single plant. Plant to 5 m. high. Stem round; seeds pink.

325319. *EUONYMUS LATIFOLIUS* Mill.

Broadleaf burningbush.

Col. No. S-122. Stavropol region. About 200 km. south of Stavropol, south of Elycha, rocky range near Mt. Baranacha. Elevation 900 m. Stems round; seeds pink with long wings.

325320. *EUONYMUS LAXIFLORUS* Champ. ex Benth.

Col. No. S-134. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from single plant. Seed pink with large wings.

325321. *EUONYMUS VERRUCOSUS* Scopoli

Col. No. S-352. Stavropol region. Brush thicket, north slope of Mt. Razealka, subsurface permafrost. Elevation 840 m. On old moss-covered plant 1.5 m. high. Berries single, not in clusters.

325322 to 325324. *FESTUCA ARUNDINACEA* Schreb. Gramineae.

325322. Col. No. S-74. Stavropol region. On saline beach soil 12 km. south of Stavropol. Leaf height 25 to 30 cm., head height to 50 cm.

325323. Col. No. S-76. Stavropol region. In ravine, 19 km. south of Stavropol.

325324. Col. No. S-113. Stavropol region. Open meadow near Strizhament Mountain, south of Stavropol. Seed from many plants.

325325. *FESTUCA PRATENSIS* Huds.

Meadow fescue.

Col. No. S-164. Stavropol region. Open meadow, south of Elycha in rocky range. Elevation 990 m. Seed from several plants.

325326. *FESTUCA RUBRA* L.

Red fescue.

Col. No. S-193. Stavropol region. Open meadow, above Teberda village on top of Mt. Hatipara. Elevation 2,050 m. Seed from single plant.

325327. *FESTUCA SCLEROPHYLLA* Boiss.

Col. No. S-299. Stavropol Botanic Garden. From village of Ukulan.

325328 and 325329. *FESTUCA SULCATA* (Hack.) Beck

325328. Col. No. S-49. Askaniya Nova, southern Ukraine area. From reserve steppe area.

325178 to 325526—Continued

325328 and 325329—Continued

325329. Col. No. S-139. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from several plants on dry slope, southern exposure. Used in arid areas of Soviet Union.

325330 and 325331. *FESTUCA VARIA* Haenke Fescue.

325330. Col. No. S-189. Stavropol region. Open meadow, above Teberda village on top of Mt. Hatipara. Elevation 2,050 m. Seed from several plants.

325331. Col. No. S-204. Stavropol region. Above Teberda village on top of Mt. Hatipara, south slope. Elevation 2,130 m. Seed from several plants.

325332. *FESTUCA* sp.

Col. No. S-202. Stavropol region. Above Teberda village on top of Mt. Hatipara, north slope. Elevation 2,130 m. Seed from single plant. Plant glaucous, blue, bunch, 15 to 20 cm. high.

325333. *FESTUCA* sp. *rubra* L.

Col. No. S-223. Near Gonatskhir River, under fir trees in shade and good moisture. Elevation 1,440 m. Plant 1.5 m. high; leaf height 30 to 40 cm.

325334. *FRAXINUS EXCELSIOR* L. Oleaceae. European ash.

Col. No. S-320. Stavropol region. Collective farm near Bekeshevskaya village, low area near stream. Elevation 540 m. Leaves smaller than in United States—possibly ecotype.

325335 to 325342. *GALEGA ORIENTALIS* Lam. Leguminosae.

Caucasian goatsrue.

325335. Col. No. S-99. Stavropol region. In meadow south of Stavropol. Elevation 540 m. Plant 1 m. high.

325336. Col. No. S-109. Stavropol region. In old orchard on northeast slope of Mt. Strizhament, south of Stavropol.

325337. Col. No. S-144. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from several plants.

325338. Col. No. S-240. Stavropol region. Steep slope above mineral spring along Goralkol River. Elevation 1,530 m. Plants to 1.5 m. high, abundant. Seed from many plants.

325339. Col. No. S-243. Stavropol region. Along edge of hayfield near Goralkol River. Elevation 1,350 m.

325340. Col. No. S-317. Stavropol region. Collective farm near Bekeshevskaya village. Elevation 540 m. Seed from several plants.

325341. Col. No. S-328. Stavropol region. Near road, 3 km. southeast of Kislovodsk, north slope. Elevation 720 m. Seeds from several plants; among tall vegetation. Plants 1.0 m., large.

325342. Col. No. S-62. Stavropol region. Sixteen km. northwest of Stavropol. Plants to 75 cm. high, vigorous; leaves very green.

325343. *GENISTA PATULA* M. Bieb. Leguminosae.

Col. No. S-174. Stavropol region. On hill along roadside between Ispravnyaya and Peredovaya. Elevation 750 m. Seed from several plants. Plants 30 to 40 cm. high; leaves dark green. Seed immature.

325344. *GERANIUM* sp. Geraniaceae.

Col. No. S-205. Stavropol region. Above Teberda village on top of Mt. Hatipara, open meadow, south slope. Elevation 2,130 m. Seed from several plants.

325178 to 325526—Continued

325345. *GLYCYRRIZA GLABRA* L. Leguminosae. Common licorice.

Col. No. S-358. Stavropol region. Forestry plantation of Zheleznovodsk, 14 km. west of Zheleznovodsk under Camel Mountain. Elevation 450 m. Perennial, to 1 m. high. Seed from several plants.

325346. *HEDYSARUM CAUCASICUM* Bieb. Leguminosae.

Col. No. S-199. Stavropol region. Above Teberda village on top of Mt. Hatipara, open meadow, north slope. Elevation 2,130 m. Seed from single plant.

325347 and 325348. *HERACLEUM MANTEGAZZIANUM* Somm. & Levier Umbelliferae. Cowparsnip.

325347. Col. No. S-104. Stavropol region. Northwest side of Strizhament mountain, below forest. Plant to 3 m. high.

324348. Col. No. S-106. Stavropol region. Northeast slope of Strizhament mountain south of Stavropol. Elevation 600 m. Plant to 4 m. high; stems 6 cm. in diameter.

325349. *HIPPOPHAE RHAMNOIDES* L. Eleagnaceae. Common sea-buckthorn.

Col. No. S-175. Stavropol region. Bank of Zelenchuk River on dry limestone cliff. Leaves green, shiny above, glaucous beneath; fruit yellow, 6 by 9 mm. Very colorful.

325350. *HOLCUS LANATUS* L. Gramineae. Velvetgrass.

Col. No. S-158. Stavropol region. Along road, south of Elycha in rocky range. Elevation 1,050 m. Seed stalks 0.5 m. high.

325351. *HYPERICUM* ~~sp.~~ ^{*perforatum* L. (Sun 54)} Guttiferae.

Col. No. S-314. 'Zveroboy'. Stavropol region. Collective farm near Bekeshevskaya village. Elevation 540 m. Seed from single plant.

325352. *KOELERIA GRACILIS* Pers. Gramineae.

Col. No. S-130. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from several plants.

325353. *KOELERIA LUERSSENII* Domin

Col. No. S-345. Stavropol region. On top of Mt. Mashuk near edge of forest. Elevation 900 m. Seed from single plant.

325354. *LASIAGROSTIS CARAGANA* Trin. & Rupr. Gramineae.

Col. No. S-300. Stavropol Botanic Garden. North Caucasus, craggy rocky slope.

325355. *LATHYRUS AUREUS* (Stev.) Bornm. Leguminosae.

Col. No. S-21. Crimea. Open woods, 16 km. south of Simferopol.

325356. *LATHYRUS PRATENSIS* L. Meadow peavine.

Col. No. S-146. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from several plants.

325357. *LATHYRUS* sp.

Col. No. S-236. Stavropol region. Along Goralkol River on south slope, rocky area. Elevation 1,440 m. Stems to 4 m. long; flowers rose, about size of garden pea. Grows over top of existing vegetation.

325358. *LAVATERA THURINGIACA* L. Malvaceae. Treemallow.

Col. No. S-341. Stavropol region. Six km. east of Pyatigorsk. Plant 1.0 m. high by 70 cm. wide, bushy; flowers pink, 6.0 cm. wide by 5.0 cm. deep, 5 petals, light pink with dark veins. Wild.

325178 to 325526—Continued

- 325359 to 325362. *LIGUSTRUM VULGARE* L. Oleaceae. European privet.
325359. Col. No. S-20. Crimea. Along roadside, north slope Ay-Petry mountain. Mixed with *Pyracantha coccinea*. Elevation 360 m. Seed from single clone; many-stemmed clump.
325360. Col. No. S-70. Stavropol region. Southeast part of Mt. Butchina opening, northwest of Stavropol. Elevation 450 m. Growing among *Crataegus*. Plant to 1.5 m. high, leafy, green. Seed from 2 plants, immature.
325361. Col. No. S-72. Stavropol region. Top of Mt. Butchina, in opening. Plants 2.0 to 4.0 m. high. Plants growing in clumps.
325362. Col. No. S-342. Stavropol region. Ten km. east of Pyatigorsk in row planting on roadside, near lake. Plants dark green; fruits in large terminal clusters, many.
- 325363 to 325378. *LOTUS CAUCASICUS* Kuprian Leguminosae.
325363. Col. No. S-100. Stavropol region. Meadow south of Stavropol. Elevation 540 m. Stems and leaves hairy.
325364. Col. No. S-101. Stavropol region. High, flat area. Elevation 540 m.
325365. Col. No. S-120. Stavropol region. Top of Mt. Strizhament on site of ruins overlooking Kuban River Valley. Elevation 720 m. Seed from many plants.
325366. Col. No. S-153. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from several plants. Plants to 60 cm. high. Growing in association with *Dactylis* and *Calamagrostis*.
325367. Col. No. S-155. Stavropol region. South of Elycha in rocky range. Elevation 900 m.
325368. Col. No. S-159. Stavropol region. South of Elycha in rocky range, open meadow. Elevation 1,080 m. Seed from several plants.
325369. Col. No. S-169. Stavropol region. Along roadside between Ispravnyaya and Peredovaya. Elevation 750 m. Seed from several plants.
325370. Col. No. S-171. Stavropol region. Along roadside between Ispravnyaya and Peredovaya. Elevation 750 m. Seed from many plants.
325371. Col. No. S-173. Stavropol region. On hill along road between Ispravnyaya and Peredovaya. Seed from single plant; plant height 35 cm.
325372. Col. No. S-254. Stavropol region. Ten km. north of Teberda reservation, along main road. Seed from several plants.
325373. Col. No. S-273. Stavropol Botanic Garden. From Ispravnyaya, North Caucasus. Limestone rocky slope.
325374. Col. No. S-274. Stavropol Botanic Garden. From town of Maykop.
325375. Col. No. S-309. Stavropol region. Collective farm near Beke-shevskaya village. Elevation 540 m. Seed from several plants.
325376. Col. No. S-331. Stavropol region. Three km. southeast of Kislovodsk, top of dry knoll. Elevation 720 m. Seed from several plants.
325377. Col. No. S-334. Stavropol region. Three km. southeast of Kislovodsk, north slope in tall grass and legumes. Seed from several plants. Plants to 0.8 m. high. Five to 7 pods per pedicel.

325178 to 325526—Continued

325363 to 325378—Continued

325378. Col. No. S-355. Stavropol region. Top of Mt. Razealka. Elevation 780 m. Seed from several plants.

325379. LOTUS CORNICULATUS L. Birdsfoot trefoil.

Col. No. S-10. Crimea. On mountain above Yalta. Elevation 540 m. Gravelly soil. Seed from many plants. Plants small.

325380. LOTUS *sp. strictus* *Jesch. & May. (Sum. 35)*

Col. No. S-229. Stavropol region. Along Goralkol River, along roadside. Elevation 1,440 m. Seed from several plants.

325381. MEDICAGO COERULEA Less. ex. Ledeb. Leguminosae.

Col. No. S-269. Stavropol Botanic Garden.

325382 to 325395. MEDICAGO FALCATA L. Yellow-flowered alfalfa.

325382. Col. No. S-5. Crimea. Roadside on mountain above Yalta. Elevation 450 m. Plant 30 cm. long, 46 cm. wide, 11 cm. high. Heavy seed producer.

325383. Col. No. S-13. Crimea. Stony embankment on mountain above Yalta. Elevation 900 m. Plants to 20 cm. high. Heavy seed producer.

325384. Col. No. S-53. Askaniya Nova, Southern Ukraine. From reserve steppe area.

325385. Col. No. S-150. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from many plants. Plants large; leaves small; stems many, 1.0 m. long; pods large, sickle shaped.

325386. Col. No. S-152. Stavropol region. South of Elycha in rocky range. Elevation 900 ft. Seed from many plants. Plants large; seed large; stems 1.0 m. long. Found in thicket of brush along with *Dactylis*, *Melilotus*, *Vicia*.

325387. Col. No. S-172. Stavropol region. Along roadside, on hill, between Ispravnyaya and Peredovaya. Elevation 750 m. Seed from many plants.

Stavropol region. Along Goralkol River east of Teberda along roadside. Elevation 1,440 m.

325388. Col. No. S-225. Seed from single plant.

325389. Col. No. S-226. Seed from several adjacent plants.

325390. Col. No. S-227. Seed from several plants close together. Pods strongly sickle shaped, ends nearly touch.

325391. Col. No. S-228. Seed from several plants.

325392. Col. No. S-230. Seed from several plants.

325393. Col. No. S-238. Seed from several plants.

325394. Col. No. S-310. Stavropol region. Collective farm near Beke-shevskaya village. Elevation 540 m. Seed from several plants.

325395. Col. No. S-338. Stavropol region. Three km. southeast of Kislovodsk, north slope. Elevation 720 m. Seed from three plants. Pods large, sickle shaped.

325396 to 325412. MEDICAGO ROMANICA Prod.

Stavropol region. South of Elycha in rocky range. Elevation 900 m.

325396. Col. No. S-126. Seed from several plants.

325397. Col. No. S-137. South slope of ravine.

325398. Col. No. S-138. Seed from two plants on south slope of ravine.

M. henryola Griseb. (Sum 35)

325178 to 325526—Continued

325396 to 325412—Continued

325399. Col. No. S-140. Seed from several plants on dry south slope.
325400. Col. No. S-160. Seed from several plants.
- Stavropol region. Along roadside between Ispravnyaya and Peredovaya. Elevation 750 m.
325401. Col. No. S-167. Seed from single plant. Pods very large, sickle shaped.
325402. Col. No. S-168. Seed from many plants.
325403. Col. No. S-177. Stavropol region. Open meadow near road, 80 km. south of Stavropol.
325404. Col. No. S-178. Stavropol region. Near Karachayevsk near road on hillside.
325405. Col. No. S-248. Stavropol region. On hillside, 8 km. north of Teberda reservation near main road. Seed from single plant.
325406. Col. No. S-252. Stavropol region. Roadside, 10 km. north of Teberda reservation, main road. Seed from many plants.
- Stavropol Botanic Garden. From reestablished steppe plot.
325407. Col. No. S-270.
325408. Col. No. S-271.
325409. Col. No. S-272.
325410. Col. No. S-306. Stavropol region. Hillside 8 km. north of Teberda. Elevation 1,260 m. Seed from several plants.
325411. Col. No. S-322. Stavropol region. Dry hill 5 km. south of Kislovodsk in terraced forest planting. Elevation 710 m. Seed from many plants.
325412. Col. No. S-333. Stavropol region. Three km. southeast of Kislovodsk, north slope along road. Elevation 720 m. Seed from single plant. Plant large, bushy.
325413. *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urb.
Col. No. S-22. Crimea. Southwest edge of Bakchisaray. Along roadside on chalk and limestone.
325414. *MEDICAGO* sp.
Col. No. S-63. Stavropol region. Sixteen km. northwest of Stavropol. Plants to 25 cm. high.
325415. ~~*MEDICAGO* sp.~~ *Galega orientalis* Lam. (Sum. 37)
Col. No. S-147A. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Contaminant found in P.I. 325515, *Vicia cracca*.
325416. *MEDICAGO* sp. *falcata* L. (Sum 35)
Col. No. S-312. Stavropol region. Collective farm near Bekeshevskaya village. Elevation 540 m. Seed from single plant. Seeds very large; pods very large; sickle shaped, nearly complete ring.
- 325417 and 325418. *MELICA ALTISSIMA* L. Gramineae. Siberian melic.
325417. Col. No. S-94. Stavropol region. South slope near woods, south of Stavropol.
325418. Col. No. S-350. Stavropol region. North slope of Mt. Rasealka, in brush thicket, subsurface permafrost. Elevation 740 m. Leaf height 1.5 m.; seed stalks 2.0 m. high. Plants very leafy. Panicles 20 cm. long; pedicels short.

325178 to 325526—Continued

325419. *MELICA TAURICA* K. Koch

Col. No. S-31. Crimea. Rocky slopes above Foros. Plants 20 to 25 cm. high.

325420. *MELILOTUS ALBA* var. *ANNUA* Coe. Leguminosae.

Col. No. S-276. Stavropol Botanic Garden. From village of Beskhagir near Stavropol. Selection from hybrids of sweet clover. Some flowers cream to yellow.

325421. *MELILOTUS HIRSUTA* Lipsky

Col. No. S-277. Stavropol Botanic Garden. From Tuapse.

325422 to 325427. *MELILOTUS OFFICINALIS* (L.) Lam. Yellow sweetclover.

325422. Col. No. S-11. Crimea. Mountain above Yalta; gravelly soil. Elevation 540 m. Seed from several plants.

Stavropol region. South of Elycha in rocky range. Elevation 900 m.

325423. Col. No. S-127. Seed from several plants.

325424. Col. No. S-151. Seed from single plant. Plant to 3 m. high, vigorous, retained foliage after seed ripened.

325425. Col. No. S-250. Stavropol region. Ten km. north of Teberda reservation, along main road. Seed from single plant.

325426. Col. No. S-275. Stavropol Botanic Garden. From Cossack village of Ispravnya.

325427. Col. No. S-308. Stavropol region. Collective farm near Beke-shevskaya village. Elevation 540 m. Seed from several plants.

325428 to 325430. *MELILOTUS TAURICA* (Bieb.) Seringe Sweetclover.

325428. Col. No. S-4. Nikitsky Botanical Garden, Yalta, Crimea. South facing dry slope. Elevation 300 m. Flowers white; seed yield abundant.

325429. Col. No. S-28. Crimea. Above Bear Mountain near Krasno Komenka.

325430. Col. No. S-29. Crimea. West of Yalta on road embankment. Biennial.

325431. ~~*MELILOTUS* sp.~~

Col. No. S-324. Stavropol region. Near road, 3 km. southeast of Kislovodsk. Seed from many plants.

325432 and 325433. *MILIUM EFFUSUM* L. Gramineae.

325432. Col. No. S-194. Stavropol region. Above Teberda village on top of Mt. Hatipara, open meadow. Elevation 1,830 m. Seed from several plants. Plants very large.

325433. Col. No. S-224. Stavropol region. Low, wet area near Gonatshkir River. Elevation 1,440 m. Seed from many plants.

325434. *MOLINIA CAERULEA* L. Gramineae.

Col. No. S-154. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Plant very high; leaf height 80 cm.; seed stalks to 1.5 m. high. Plant contains hydrocyanic acid.

325435 and 325436. *NARDUS STRICTA* L. Gramineae.

325435. Col. No. S-196. Stavropol region. Above Teberda village on top of Mt. Hatipara, open meadow, north slope. Elevation 2,130 m. Seed from many plants.

325436. Col. No. S-215. Stavropol region. Near northern orphanage on Klukhov River. Elevation 1,530 m. Seed from several plants. Plants to 25 cm. high.

325178 to 325526—Continued

325437 to 325439. *ONOBRYCHIS INERMIS* Stev. Leguminosae.

325437. Col. No. S-244. Stavropol region. Roadside, near Goralko River. Elevation 1,260 m. Seed from many plants.

325438. Col. No. S-279. Stavropol Botanic Garden. From village of Beskhagir, near Stavropol.

325439. Col. No. S-336. Stavropol region. Near road, 3 km. southeast of Kislovodsk. Seed from several plants.

325440. *ONOBRYCHIS PALLASII* Bieb.

Col. No. S-7. Crimea. Southwest edge of Bakchisaray. Growing along roadside on chalk and limestone and soil derived from lime. Plant to 45 cm. high, coarse; flowers cream. Being tested as ornamental and soil stabilizer.

325441. *ONOBRYCHIS PETRAEA* Desv.

Col. No. S-278. Stavropol Botanic Garden. From Caucasus.

325442 and 325443. *ONOBRYCHIS TRANSCAUCASICA* Grossh.

325442. Col. No. S-280. Stavropol Botanic Garden. From Georgia Selection Station.

325443. Col. No. S-323. Stavropol region. Dry hill 5 km. south of Kislovodsk in terraced forest planting. Elevation 710 m. Seed from many plants.

325444. *ONOBRYCHIS VAGINALIS* Meyer

Col. No. S-281. Stavropol Botanic Garden. From Stavropol district; sandy soil.

325445. *ONOBRYCHIS* sp.

Col. No. S-14. Crimea. Dry rocky slope, mountain above Yalta. Elevation 1,080 m. Plants to 8 cm. high, spreading.

325446. *ONOBRYCHIS* sp. *aff. biebersteinii* (Semen 37)

Col. No. S-15. Crimea. Plateau area above Yalta. Elevation 1,080 m.

325447. *ONOBRYCHIS* sp. *arvensis* L. (Semen 37)

Col. No. S-60. Stavropol region. Sixteen km. northwest of Stavropol on road to Novo Marioska. Plants to 55 cm. high.

325448. *ONOBRYCHIS* sp. *altissima* (Semen 37)

Col. No. S-311. Stavropol region. Collective farm near Bekeshevskaya village. Elevation 540 m. Seed from several plants.

325449. *ONONIS HIRCINA* Jacq. Leguminosae.

Col. No. S-357. Stavropol region. Forestry plantation of Zheleznovodsk, 14 km. west of Zheleznovodsk, under Camel Mountain. Elevation 450 m. Plants to 70 cm. high, flowers large, pink. Roots perennial; tops annual.

325450 and 325451. *ORIGANUM VULGARE* L. Labiatae. Wild marjoram.

325450. Col. No. S-313. 'Chebret'. Stavropol region. Collective farm near Bekeshevskaya village. Elevation 540 m. Seed from many plants. Plants prostrate, possibly stoloniferous, good ground cover; leaves very fragrant. Reportedly grows on dry soils.

325451. Col. No. S-339. Stavropol region. Near road, 3 km. southeast of Kislovodsk, north slope. Perennial, determinate, to 1 m. high. Leaves and seeds very fragrant.

325452. *PHLEUM MONTANUM* C. Koch Gramineae.

Col. No. S-32. Crimea. Rocky slopes on mountain above Foros. Elevation 900 m. Perennial, to 10 cm. high, green, vigorous. Possible good ground cover.

325178 to 325526—Continued

- 325453 to 325459. *PHLEUM PHLEOIDES* (L.) Karst. Timothy.
325453. Col. No. S-86. Stavropol region. Near forest, on steppe, south of Stavropol.
325454. Col. No. S-111. Stavropol region. In meadow south of Stavropol on Mt. Strizhament. Elevation 570 m.
325455. Col. No. S-115. Stavropol region. Virgin steppe area on top of Mt. Strizhament. Elevation 720 m.
325456. Col. No. S-123. Stavropol region. About 300 km. south of Stavropol, south of Elycha, rocky range, Mt. Baranacha. Elevation 900 m. Seed stalks to 60 cm. high; seed heads 8.0 cm. long.
325457. Col. No. S-124. Stavropol region. Rocky range south of Elycha. Elevation 900 m. Seed stalks to 1 m. high; seed heads 13 to 14 cm. long.
325458. Col. No. S-251. Stavropol region. Ten km. north of Teberda reservation, along main road. Seed from several plants.
325459. Col. No. S-344. Stavropol region. On top of Mt. Mashuk, above forest. Elevation 900 m. Seed from several plants.
- 325460 and 325461. *PHLEUM PRATENSE* L. Common timothy.
325460. Col. No. S-82. Stavropol region. Hillside, 19 km. south of Stavropol.
325461. Col. No. S-253. Stavropol region. Ten km. north of Teberda reservation, along main road. Seed from several plants.
325462. *POA IBERICA* Fisch. Mey. & Ave-Lall. Gramineae.
- Col. No. S-301. Stavropol Botanic Garden. From the rocky range.
325463. *POA LONGIFOLIA* Trin.
- Col. No. S-186. Stavropol region. Above Teberda village on top of Mt. Hatipara, open meadow. Elevation 1,830 m. Seed from several plants.
325464. *POA NEMORALIS* L. Wood bluegrass.
- Col. No. S-92. Stavropol region. Near forest on steppe south of Stavropol.
- 325465 and 325466. *PSORALEA BITUMINOSA* L. Leguminosae. Scurf-pea.
325465. Col. No. S-2. Crimea. Bank along roadside, partial shade, in Nikitsky Botanical Garden. Elevation 300 m. Perennial, low growing.
325466. Col. No. S-303. Stavropol Botanic Garden. From town of Tuapse.
325467. *RHAMNUS CATHARTICA* L. Rhamnaceae. Common buckthorn.
- Col. No. S-97. Stavropol region. Edge of forest south Stavropol. Elevation 540 m. Seed from single plant. Plant 3.0 to 4.0 m. high; fruit purple.
325468. *RHAMNUS PALLASII* Fisch. Buckthorn.
- Col. No. S-246. Stavropol region. Hillside, near main road, 8 km. north of Teberda reservation. Grows in steppe zone and rocky areas. Plant prostrate, to 25 cm. high, spreading; leaves very narrow. Good ground cover.
325469. *RHAPONTICUM CARTHAMOIDES* (Willd.) Iljin Ericaceae.
- Col. No. S-1. Presented by V. S. Sokolov, All-Union Institute of Plant Industry, Leningrad. From Siberia. Plant to 3 m. high. Reported high production of ensilage.

325178 to 325526—Continued

- 325470 and 325471. RHODODENDRON CAUCASICUM Pall. Ericaceae.
Caucasian rhododendron.
325470. Col. No. S-195. Stavropol region. Above Teberda village on top of Mt. Hatipara, north slope, open meadow. Elevation 1,830 m. Seed from many plants. Plant to 1.0 m. high.
325471. Col. No. S-209. Stavropol region. Near Klukor Lake, on south slope. Elevation 2,250 m. Plant to 1.0 m. high. Prevalent in area, growing in large patches.
325472. RHODODENDRON FLAVUM G. Don
Col. No. S-156. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Plant to 2.0 m. high. Seed from several plants.
325473. ROSA sp. Rosaceae.
Col. No. S-61. Stavropol region. Sixteen km. northwest of Stavropol on Novo Marioska road. Plants 40 to 65 cm. high; hips dark purple.
325474. SANGUISORBA POLYGAMA Nyland Rosaceae.
Col. No. S-302. Stavropol Botanic Garden. From Kuban Experiment Station.
325475. SECURINEGA RAMIFLORA (Ait.) Muell.-Arg. Euphorbiaceae.
Col. No. S-38. Askaniya Nova Botanic Garden, Southern Ukraine steppe area. From Northern China. Plants dioecious, to 3.0 m. high, bushy; fruit inconspicuous, 5.0 to 6.0 mm. diameter.
325476. SORBUS AUCUPARIA L. Rosaceae. European mountain-ash.
Col. No. S-37. Askaniya Nova Botanic Garden, Southern Ukraine steppe area. From Saratov in middle Soviet Union. Plant bushy, 4.0 high by 2.5 m. side; fruit light set, light orange.
- 325477 and 325478. STIPA CAPILLATA L. Gramineae.
325477. Col. No. S-35. Southern Ukraine steppe at Askaniya Nova. Collected on reserved steppe area. Plants to 85 cm. high.
325478. Col. No. S-85. Stavropol region. Near woods on steppe area, south of Stavropol.
- 325479 to 325483. TRIFOLIUM ALPESTRE L. Leguminosae. Purple globe clover.
325479. Col. No. S-232. Stavropol region. Along Goralkol River, along roadside, south slope. Seed from several plants.
325480. Col. No. S-289. Stavropol Botanic Garden. From Moscow Botanic Garden.
325481. Col. No. S-329. Stavropol region. Near road, 3 km. southeast of Kislovodsk, on steep north slope in tall vegetation. Seed from many plants. Plants large.
325482. Col. No. S-353. Stavropol region. Top of Mt. Razealka. Elevation 780 m. Seed from several plants. Possibly mixed with *Trifolium pratense*.
325483. Col. No. S-354. Stavropol region. Top of Mt. Razealka. Elevation 780 m. Seed from several plants.
- 325484 to 325490. TRIFOLIUM AMBIGUUM Bieb. Kura clover.
325484. Col. No. S-16. Crimea. Plateau area above Yalta. Elevation 1,080 m.
325485. Col. No. S-185. Stavropol region. Above Teberda Village on top of Mt. Hatipara, open meadow. Elevation 1,830 m. Seed from several plants.

T. medeana
 (Sov. 76)
 325481-325483
 Askaniya Nova Botanic Garden
 (Sov. 76)

325178 to 325526—Continued

325484 to 325490—Continued

325486. Col. No. S-201. Stavropol region. Above Teberda village on top of Mt. Hatipara, south slope, open meadow.
325487. Col. No. S-216. Stavropol region. Near northern orphanage on Klukhov River. Elevation 1,530 m. Seed from many plants.
325488. Col. No. S-235. Stavropol region. Along Goralkol River, along roadside. Elevation 1,440 m.
325489. Col. No. S-285. Stavropol Botanic Garden.
325490. Col. No. S-286. Stavropol Botanic Garden. From village of Michailovka near Stavropol.
325491. TRIFOLIUM CAMPESTRE Schreb. Leguminosae. Large hop clover. Col. No. S-179. Stavropol region. Hillside along road to Teberda. 136 km. south of Stavropol.

325492 and 325493. TRIFOLIUM CANESCENS Willd. Leguminosae.

325492. Col. No. S-188. Stavropol region. Above Teberda Village on top of Mt. Hatipara, open meadow. Elevation 1,830 m. Seed from single plant.
325493. Col. No. S-220. Stavropol region. Near northern orphanage on Klukhov River, south slope. Elevation 1,530 m. Growing among grasses; 10 to 20 cm. high.

325494. TRIFOLIUM CAUCASICUM Tausch

Col. No. S-287. Stavropol Botanic Garden. From near the Black Lake.

325495. TRIFOLIUM FRAGIFERUM L.

Strawberry clover.

Col. No. S-287. Stavropol Botanic Garden. From south of Cherkessk.

325496 ^{and} 325499. TRIFOLIUM MEDIUM Huds.

Zigzag clover.

325496. Col. No. S-8. Crimea. Roadside, on mountain above Yalta. Elevation 540 m. Plants to 16 cm. high, dark green, spreading.

325497. Col. No. S-116. Stavropol region. Virgin steppe area on top of Mt. Strizhament. Elevation 720 m.

325498. Col. No. S-170. Stavropol region. Along roadside between Ispravnyaya and Peredovaya. Elevation 750 m. Seed from many plants.

325499. Col. No. S-233. Stavropol region. Along Goralkel River, along roadside. Elevation 1,440 m. Seed from several plants.

325500. TRIFOLIUM ~~NEGLECTUM~~ C. A. Mey. *fragiferum* L. (Sum 25)

Col. No. S-283. Stavropol Botanic Garden. From Stavropol region.

325501 to 325504. TRIFOLIUM PRATENSE L.

Red clover.

325501. Col. No. S-17. Crimea. From plateau area northwest of Yalta. Elevation 1,080 m. Plants small, in mowed hayfield, occasionally grazed.

325502. Col. No. S-217. Stavropol region. Near northern orphanage on Klukhov River. Elevation 1,530 m. Seed from several plants.

325503. Col. No. S-282. Stavropol Botanic Garden. From shore of Kuban River near Nevinnomisk.

325504. Col. No. S-332. Stavropol region. North slope near road, 3 km. southeast of Kislovodsk. Seed from several plants. Plants to 1.0 m. high.

325505 to 325506. TRisetum FLAVESCENS (L.) Beauv Gramineae.

325178 to 325526—Continued

325505 to 325506—Continued

325505. Col. No. S-182. Stavropol region. Above Teberda Village on top of Mt. Hatipara, open meadow. Elevation 1,830 m. Seed from several plants.

325506. Col. No. S-304. Stavropol Botanic Garden. From rocky range, North Caucasus.

325507. *TRIFOLIUM RUBENS* L. Leguminosae. Clover.

Col. No. S-288. Stavropol Botanic Garden. From Moscow Botanic Garden.

325508. *TRIFOLIUM AGRARIUM* L.

Col. No. S-231. Stavropol region. Along Goralkol River, along roadside. Elevation 1,440 m. Seed from several plants. Annual. Plants 30 to 35 cm. high.

325509. *TRIFOLIUM TRICHOCEPHALUM* Bieb. Leguminosae.

Col. No. S-284. Stavropol Botanic Garden. From Mt. Baranaka, rocky range.

325510. *TRIFOLIUM* sp.

Col. No. S-125. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Possible mixture of *T. medium* and *T. pratense*.

325511. *VIBURNUM OPULUS* L. Caprifoliaceae. European cranberry bush.

Col. No. S-321. Stavropol region. Collective farm near Bekeshevskaya village. Elevation 540 m. Fruit bright red, clusters. Attractive; possible ornamental.

325512. *VICIA ANGUSTIFOLIA* L. Leguminosae.

Col. No. S-128. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from single plant.

325513 and 325514. *VICIA CASSUBICA* L.

325513. Col. No. S-23. Crimea. Sixteen km. south of Simferopol, open woods.

325514. Col. No. S-26. Crimea. Above Bear Mountain near Krasno Komenka, stony limestone soil. Plants to 50 cm. high, vigorous, spreading.

325515. *VICIA CRACCA* L. Cow vetch.

Col. No. S-147. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from several plants.

325516. *VICIA PICTA* Fisch. & Mey.

Col. No. S-291. Stavropol Botanic Garden. From Rostov on Don River.

325517. *VICIA PISIFORMIS* L.

Col. No. S-292. Stavropol Botanic Garden. From Moldavia.

325518 to 325520. *VICIA SEPIUM* L.

325518. Col. No. S-145. Stavropol region. South of Elycha in rocky range. Elevation 900 m. Seed from several plants.

325519. Col. No. S-183. Stavropol region. Above Teberda village on top of Mt. Hatipara, open meadow. Elevation 1,830 m. Seed from several plants.

325520. Col. No. S-242. Stavropol region. Along edge of hayfield near Goralkol River. Elevation 1,350 m. Seed from several plants.

325178 to 325526—Continued**325521 to 325524. VICIA TENUIFOLIA Roth**

325521. Col. No. S-18. Crimea. Roadside, north slope of Ay-petry Mountain. Elevation 1,080 m.

325522. Col. No. S-110. Stavropol region. Old orchard, northeast slope of Mt. Strizhament, south of Stavropol.

325523. Col. No. S-119. Stavropol region. Virgin steppe area on top of Mt. Strizhament. Elevation 720 m.

325524. Col. No. S-316. Stavropol region. Collective farm near Beke-shevskaya village. Elevation 540 m. Seed from several plants.

325525. VICIA VILLOSA Roth**Hairy vetch.**

Col. No. S-52. Askaniya Nova, Southern Ukraine. From reserve steppe area.

325526. VIOLA TRICOLOR L. Violaceae.**Common pansy.**

Col. No. S-351. Stavropol region. North slope of Mt. Razealka, in brush thicket, subsurface permafrost in tall vegetation. Elevation 740 m. Seed from several plants. Plants 40 to 45 cm. high; flowers 3.0 by 2.5 cm., shading from cream at top to yellow at bottom.

325527 and 325528. PRUNUS ARMENICA L. Rosaceae. Apricot.

From Italy. Scions presented by the Instituto di Frutticoltura, Ciampino Ovest (Firoano), Rome. Received Feb. 12, 1968.

325527. 'Baracca'—"San Castrese".

325528. 'Caninos'.

325529. MALUS SLYVESTRIIS Mill. Rosaceae.**Apple.**

From Germany. Scions presented by the Biologische Bundesanstalt, Institut für Obst Krankheiten, Heidelberg. Received Feb. 13, 1968.

'Stahls Prinz'.

325530. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Korea. Seeds presented by the Crop Experiment Station, Office of Rural Development, Suwon. Received Feb. 13, 1968.

'Yung Kwang'.

325531. MALUS SYLVESTRIIS Mill. Rosaceae.**Apple.**

From England. Scions presented by the National Fruit Trials, Brogdale Farm, Faversham, Kent. Received Feb. 2, 1968.

'Acme'.

325532. ACER PALMATUM Thunb. Aceraceae. Japanese maple.

From England. Plants presented by Exbury Gardens, Ltd., Exbury, Nr. Southampton. Received Feb. 5, 1968.

'Chitoseyema'.

325533 to 325557. SACCHARUM (hybrid) Gramineae.**Sugarcane.**

From India. Cuttings presented by the Director, Sugarcane Breeding Station, Coimbatore. Received Feb. 8, 1968.

325533. I.A. 1540.

325537. I.A. 1715.

325534. I.A. 1549.

325538. I.A. 1731.

325535. I.A. 1583.

325539. I.A. 1741.

325536. I.A. 1692.

325540. I.A. 1749.

325533 to 325557—Continued

325541. I.A. 1779.	325550. I.A. 1957.
325542. I.A. 1780.	325551. I.A. 2076.
325543. I.A. 1781.	325552. I.A. 2077.
325544. I.A. 1805.	325553. I.A. 2258.
325545. I.A. 1808.	325554. I.A. 2263.
325546. I.A. 1832.	325555. I.A. 2267.
325547. I.A. 1857.	325556. I.A. 2270.
325548. I.A. 1858.	325557. I.A. 2330.
325549. I.A. 1862.	

325558 to 325580.

From Venezuela. Plants collected by D. H. Timothy, North Carolina State University, Raleigh, North Carolina. Received Feb. 12, 1968.

325558. TRIPSACUM sp. Gramineae.

Col. No. 229. Trujillo, 8 km. above Batatal on road to Campo Elias. Elevation 1,200 m.

325559. TRIPSACUM sp.

Col. No. 231. Trujillo, 8 km. on road from Batatal to Bocono. Elevation 1,700 m.

325560. TRIPSACUM sp.

Col. No. 232. Trujillo, 1 km. on road from Valera to Trujillo on rocky slope above Motatan River.

325561. TRIPSACUM sp.

Col. No. 233. Trujillo, at foot of dry rocky hill on Motatan River.

325562. TRIPSACUM sp.

Col. No. 234. Trujillo, 3 to 4 km. below La Puerta on road to Timotes. Elevation 1,400 m.

325563. TRIPSACUM sp.

Col. No. 235. Trujillo, dry hillside 4 km. below La Mesa along Motatan River. Elevation 1,200 m.

325564. TRIPSACUM sp.

Col. No. 236. Trujillo, road from La Mesa to Valua, 15 km. below bridge, Quebrada de las Cuevas. Elevation 800 m.

325565. TRIPSACUM sp.

Col. No. 237. Trujillo, below Pueblo Quebrada de la Cuevas, along river and canal. Elevation 700 m.

325566. TRIPSACUM sp.

Col. No. 238. Trujillo, 5 km. on road from Valera to Las Cuevas, Quebrada de las Cuevas. Elevation 600 m.

325567. TRIPSACUM sp.

Col. No. 239. Merida, 0.5 km. on road from La Vigia to Mendoza.

325568. TRIPSACUM sp.

Col. No. 240. Tachira, 5 km. on road from La Libertad to San Antonio.

325569. TRIPSACUM sp.

Col. No. 241. Tachira, 22 km. on road from Las Delicias to Rubio.

325558 to 325580—Continued**325570. TRIPSACUM sp.**

Col. No. 242. Tachira, 18 km. on road from San Cristobal to Rubio. Elevation 1,500 m.

325571. TRIPSACUM sp.

Col. No. 243. Tachira, 13 km. on road from San Cristobal to Rubio.

325572. TRIPSACUM sp.

Col. No. 244. Tachira, 11 km. on road from San Cristobal to Rubio, El Cedro.

325573. TRIPSACUM sp.

Col. No. 245. Tachira, 13 km. on road from Rubio to San Cristobal. Elevation 1,200 m.

325574. TRIPSACUM sp.

Col. No. 246. Tachira, 11 km. on road from La Grita to El Cobre. Elevation 1,200 m.

325575. TRIPSACUM sp.

Col. No. 248. Tachira, 3 km. above bridge between La Grita and La Quinta. Elevation 1,400 m.

325576. TRIPSACUM sp.

Col. No. 249. Tachira, 5 km. on road from La Grita to Serobuco.

325577. TRIPSACUM sp.

Col. No. 250. Tachira, 4 km. above La Grita along road to Hotel Montana. Elevation 1,900 m.

325578. TRIPSACUM sp.

Col. No. 254. Merida, between Ejido and Parroquia.

325579. TRIPSACUM sp.

Col. No. 257. Barinas, 5 km. above Barinitas. Elevation 900 m.

325580. TRIPSACUM sp.

Col. No. 258. Lara, 20 km. on road from Barquisimeto to Acariqua. Elevation 500 m.

325581 to 325583.

From Taiwan. Seeds collected by John L. Creech, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Numbered Feb. 14, 1968.

325581. IDESIA POLYCARPA Maxim. Flacourtiaceae.

Col. No. 1616. Along road below Lushan. Elevation 1,900 m. Tree large; fruit round, red, many seeded.

325582. RHODODENDRON RUBROPILOSUM Hayata Ericaceae.

Col. No. 1607. Along mountain road below Hohuan, Nantou County. Elevation 2,000 m. Hairless.

325583. VACCINIUM MERRILIANUM Hayata Ericaceae.

Col. No. 1484. On Rulin-Shan, Morrison Range, usually on underside of embankments and shade. Elevation 2,600 m. Plant prostrate, evergreen.

325584 to 325694.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received Feb. 14, 1968.

325584 to 325694—Continued

325584. PHASEOLUS (^{*vulgaris* L.} hybrid). Leguminosae.

Col. No. 22443. 'Acahuacate'. (*P. vulgaris* x *P. coccineus*). Near Teteles, Puebla. Moist mountain slope in milpa. Elevation 5,900 feet. Climbing; intermediate variants between the two species.

325585. PHASEOLUS ADENANTHUS G. Meyer

Col. No. 22540. Five miles east of Iguala, Guerrero. Elevation 3,000 feet. Vine, small.

325586 and 325587. PHASEOLUS ANISOTRICHOS Schlecht.

325586. Col. No. 22342. Seven miles east of Mitla along road to San Lorenzo. Perennial ground vine, spreading; flowers purple.

325587. Col. No. 22501. District de Etla, Oaxaca. Elevation 6,000 feet. Vine, small.

325588 to 325603. PHASEOLUS COCCINEUS L. Scarlet runner bean.

325588. Col. No. 22352. 'Ayocote'. Near Ayutla, Tamazulapan District, Oaxaca. Elevation 6,500 feet. Perennial vine spreading along road bank; flowers red.

325589. Col. No. 22362. Nacaltepec, 20 miles north of Tlaxtlahuaca, Oaxaca. Elevation 6,400 feet. Perennial vine along rocky creek bank; flowers red; pods green, purple striped; seeds black, violet, mottled gray.

325590. Col. No. 22414. 'Ayocote'. Market in Tehuacan, Puebla. Seed large, light weight, various colors but mostly black.

325591. Col. No. 22436. 'Shaushana'. Altotongo, Veracruz. Wet climate. Elevation 6,000 feet. Perennial vine, coarse, climbing. Spontaneous on banks and along milpa margins.

325592. Col. No. 22440. 'Ayocote'. Market in Altotonga, Veracruz. Elevation 6,000 feet. Large, mostly black, pole type. Planted with maize.

325593. Col. No. 22448. 'Ayocote'. Market in Zacapoaxtla, Puebla. Elevation 6,000 feet. Mostly large polyglot of varieties.

Market in Tlatlauqui, Puebla. Cool moist, cloudy climate. Elevation 6,000 feet.

325594. Col. No. 22459. 'Ayocote'. Coarse; flowers red. Pole type. Grown with maize.

325595. Col. No. 22460. 'Ayocote'. Coarse. Pole type. Grown with maize.

Market in Tezuitlan, Puebla. Cool, moist, cloudy climate. Elevation 6,000 feet.

325596. Col. No. 22463. 'Ayocote'. Seeds of many colors. Pole type.

325597. Col. No. 22464. 'Shanshana'. Reported cultivated, but also found spontaneous in area.

325598. Col. No. 22490. Sixty-four km. along toll road north of Cuernavaca, Morelos. Elevation 6,500 feet. Perennial vines in thicket on rocky road shoulder with *Wigandia senecio* and *P. vulgaris*. Pods small.

Ixtlan de Juarez, Oaxaca. Elevation 7,500 feet.

325599. Col. No. 22514. 'Frijol chuparosa'. Vine, low spreading, bushy; seeds small, light grayish.

325600. Col. No. 22515. 'Frijol chuparosa'. Vine bushy; seeds black. Ayutla, 33 miles east of Mitla, Oaxaca. Elevation 6,900 feet.

325584 to 325694—Continued

325588 to 325603—Continued

325601. Col. No. 22522. Seeds black. Planted with maize.

325602. Col. No. 22523. Vine red flowered; seeds black.

325603. Col. No. 22527. Nacaltepec, Oaxaca, 20 miles north of Telixtlahuaca. Elevation 6,400 feet. Along stream with *Arundo donax* and other shrubs. Perennial vines; seeds black.

325604 to 325608. PHASEOLUS COCCINEUS ssp. DARWINIANUS Hern. & Mir.

325604. Col. No. 22444. 'Acalete'. Market in Zacapoxtla, Puebla. Moist mountain. Elevation 5,700 feet. Pole type. Planted with maize.

325605. Col. No. 22454. 'Acalete'. Market in Altotonga, Veracruz. Elevation 6,000 feet. Seed large, broad, pale yellow; hilum wide.

325606. Col. No. 22458. 'Acalete'. Market in Tlatlaqui, Puebla. Moist, foggy, cool climate. Elevation 6,000 feet. Hybrid, pole type. Grown in milpa.

325607. Col. No. 22462. 'Acalete'. Market in Tezuitlan, Puebla. Moist, cloudy, cool climate. Elevation 6,000 feet. Seed typical for area, tan; reportedly from Revenya.

325608. Col. No. 22479. 'Acalete'. Market in Coscomatepec, Veracruz. Elevation 5,100 feet. Large, buff, veiny.

325609. PHASEOLUS LEIOSEPALUS Piper

Col. No. 22388. Ten miles southeast of Miahuatlan, Oaxaca. Arid, limestone rocky slope with cutover oaks. Perennial vine from tuberous roots, small, climbing; flowers pale red.

325610. PHASEOLUS LUNATUS L.

Lima bean.

Col. No. 22367. Telixtlahuaca, Oaxaca. Elevation 5,000 feet. Perennial vine, large; fruiting abundantly twice yearly; seeds red.

325611 to 325691. PHASEOLUS VULGARIS L.

Common bean.

Market in Zinocatepec, Puebla. Elevation 6,000 feet.

325611. Col. No. 22330. Seed yellow, rather flat and long. Bush type; grown with irrigation.

325612. Col. No. 22331. Small, black, some white. Grown with summer rains in mountains.

325613. Col. No. 22332. From Chiltepec. Red to purplish. Reportedly bush type.

325614. Col. No. 22333. From Chiltepec. Mixed lot, black, white, gray mottled. Reportedly bush type.

325615. Col. No. 22334. Ajalpan, Tehuacan Valley, Puebla. Elevation 5,000 feet. Mixed colors. Bush type. Grown with irrigation.

Market in Chilac, Tehuacan Valley, Puebla. Elevation 5,000 feet.

325616. Col. No. 22336. Black. Pole type. Grown with irrigation.

325617. Col. No. 22338. Grown in Termatayunca. Small, black. Bush type. Grown with irrigation.

325618. Col. No. 22339. Dark lavender. Grown on mountain west of Chilac.

Nacaltepec, 20 miles north of Telixtlahuaca, Oaxaca. Elevation 6,400 feet.

325619. Col. No. 22363. 'Frijol machete negro'. Black. Resistant to weevils. Grows well in cold weather.

325584 to 325694—Continued

325610 to 325691—Continued

325620. Col. No. 22364. 'Frijol machete blanco'. White.

325621. Col. No. 22365. 'Frijol amarillo'. Yellow.

325622. Col. No. 22366. 'Frijol blanco'. Small, white.

325623. Col. No. 22368. 'Frijol blanco enano'. Small, white; reportedly bush type.

325624. Col. No. 22369. 'Frijol colorado'. Red.

Market in Ejutla, Oaxaca. Elevation 5,500 feet.

325625. Col. No. 22374. 'Frijol negro delgado'. Small, black. Pole type. Very common in Oaxaca Valley.

325626. Col. No. 22375. 'Frijol negro grueso'. Larger than P.I. 325625, black. Pole type.

325627. Col. No. 22382. 'Frijol pinero'. Candelario, District Pochutla, Oaxaca. Elevation 2,000 feet. Small, black and red. Bush type. Common along coastal lowlands.

325628. Col. No. 22407. Market in Tepoztlan, Morelos. Elevation 5,000 feet. Market bin. Mixed.

325629. Col. No. 22408. 'Aluvian'. Market in Tepoztlan, Morelos. Elevation 5,000 feet. Small, white.

Chapingo, Mexico State. Originally from Escuela Nacional de Agricultura, Zamaranao, Honduras.

325630. Col. No. 22411. 'Pinto 168'. Selected variety. Some resistance to *Apion* weevils.

325631. Col. No. 22412. 'Pinto 162'. Selected variety. Most resistance to *Apion* weevils.

325632. Col. No. 22413. 'Negro 150'. Selected variety. Some resistance to *Apion* weevils.

325633. Col. No. 22430. 'Frijol negro'. Mountain above Coaxcatlan, Tehuacan District, Oaxaca. From Chiltepec. Small, black. Bush type.

Market in Acatzingo, Puebla. Elevation 6,000 feet.

325634. Col. No. 22431. 'Frijol criollo'. From Ciudad Cerdan. Mixed varieties.

325635. Col. No. 22432. 'Frijol negro'. Black. Bush type. Common.

325636. Col. No. 22433. 'Criollo de Perote'. From Perote area. Mixed varieties.

325637. Col. No. 22434. 'Criollo de San Andreas'. From San Andreas area. Mixed varieties.

Market in Altotonga, Veracruz. Elevation 6,000 feet.

325638. Col. No. 22437. 'Frijol negro'. Small, black.

325639. Col. No. 22438. 'Frijol negro'. Small, black. Bush type. From the Tierra Caliente.

325640. Col. No. 22439. 'Frijol amarillo'. Yellow.

325641. Col. No. 22441. 'Frijol mantequilla'. Medium, buff with yellow eye.

Market in Zacapoaxtla, Puebla. Moist mountain slopes. Elevation 5,700 feet.

325584 to 325694—Continued

325610 to 325691—Continued

325642. Col. No. 22445. 'Frijol sauhuetoli'. Small, lavender, rabbit eye pattern.

325643. Col. No. 22446. 'Frijol amarillo'. Yellow.

325644. Col. No. 22447. 'Frijol bayo'. Small dun colored.

Market in Tlatlauqui, Puebla. Moist, foggy climate. Elevation 6,000 feet.

325645. Col. No. 22455. Small, brownish yellow. Bush type.

325646. Col. No. 22456. 'Frijol avreadores'. Small, brown.

325647. Col. No. 22457. 'Frijol bayitos'. Tan.

325648. Col. No. 22461. 'Frijol revosero'. Market in Tezuitlan, Puebla. Cool, moist, cloudy climate. Elevation 6,000 feet. Lavender-gray mottled.

Market in Coscomatepec, Veracruz. Elevation 5,100 feet.

325649. Col. No. 22478. 'Frijol badgito.' Small, rabbit-eye pattern mixed with black and tan.

325650. Col. No. 22480. 'Frijol barranqueno'. Small, black.

325651. Col. No. 22481. 'Frijol de milpa' or 'Todga'. Small, shiny black; hilum small.

325652. Col. No. 22482. 'Frijol tlanchete'. Small, black. Reported as name and place of bean with resistance to several diseases.

325653. Col. No. 22483. 'Frijol badgito'. Small, dun.

325654. Col. No. 22484. 'Frijol bayo'. Small, brown and yellow.

325655. Col. No. 22486. 'Tlanchete'. Small, uniform, black. hilum small, white. Reported to be most resistant to several diseases.

325656. Col. No. 22485. 'Frijol amarillo'. Small, light yellow to brownish.

325657. Col. No. 22488. 'Frijol roja'. Sierra de Coxcatlan Puebla. Elevation 7,000 feet. Small, red.

325658. Col. No. 22499. Tepoztlan, Morelos. Elevation 5,500 feet. Pods large, purple; seeds large, long, pink. Infested with *Apion godmani*. Pole type. Single plant volunteering in corn field.

325659. Col. No. 22504. Arroyo above Telixtlahuaca, Oaxaca. Elevation 5,500 feet. Annual, small; seeds white. Spontaneous in thicket of *Arundo donax*.

Telixtlahuaca, Oaxaca. Elevation 5,500 feet.

325660. Col. No. 22503. 'Frijol liston'. Pods red; seeds red. Pole type.

325661. Col. No. 22506. 'Frijol machete'. Seeds black. Pole type. Compare with wild P.I. 325681.

325662. Col. No. 22507. Reported cross between 'Frijol liston' × 'Frijol cuarantero'.

325663. Col. No. 22508. 'Frijol liston'. Spontaneous in *Arundo donax* thicket along arroyo.

325664. Col. No. 22524. Ayutla, Oaxaca. Elevation 7,000 feet. Various colors. Pole type.

325665. Col. No. 22525. Rancho Sacatal along road to Ayutla, east of Mitla, Oaxaca. Elevation 6,000 feet. Various colors. Pole type.

Market in Iguala, Guerrero. Elevation 2,400 feet.

325584 to 325694—Continued

325610 to 325691—Continued

325666. Col. No. 22536. 'Frijol acerado'. Brown.
 325667. Col. No. 22537. 'Frijol rosita'. Small, pink.
 325668. Col. No. 22538. 'Ojo de lievre'. Brownish, rabbit-eye.
 325669. Col. No. 22539. 'Ojo de lievre'. From Morelos. Large, light colored, rabbit-eye pattern. Huetamo, Michoacan. Elevation 700 feet.
 325670. Col. No. 22549. 'Flor de mayo'. Small, rosy. Mixed.
 325671. Col. No. 22550. 'Frijol apetito'. From Morelia. Hilum large ringed with yellow.

Market in Jacona, Michoacan.

325672. Col. No. 22559. 'Sangre de toro'. Roundish, red; hilum small.
 325673. Col. No. 22560. 'Frijol revosito'. Brownish, speckled.
 325674. Col. No. 22564. 'Frijol encerado'. Small, brown.
 325675. Col. No. 22565. 'Frijol azufrado'. Market in Alamos Sonora. From Sierras in Chihuahua. Small, pale yellowish. Wild collections.
 325676. Col. No. 22395. 'Frijol de raton'. Four miles northeast of highway junction on road to Ixtlan de Juarez, Oaxaca. Elevation 5,500 feet. Riparian in thickets. Annual, climbing; flowers lavender; pods narrow, green; 5 to 8 spikes, pendulant characteristically. Reported scattered all along arroyo. Edible.
 325677. Col. No. 22404. Tepoztlan, Morelos, tuffaceous hill. Elevation 6,000 feet. Oaks; many shrubs. Annual vine, small; flowers white fading yellow; pods small, some rather broad. Plants weak in forest shade, stronger at foot of mountain, growing in dwarf *Ipomoea* trees.
 325678. Col. No. 22492. Sixty-four km. along toll road above Cuernavaca, Morelos. Elevation 6,500 feet. Annual vine along road shoulder with *Wigandia*, *Veronica* and other shrubs. Scarce.
 325679. Col. No. 22497. Valley by Tepoztlan, Morelos. Stone fence along milpa. Elevation 5,500 feet. From single plant. Pods large; seeds large. Possibly crossed with cultivated bean. Not edible.
 325680. Col. No. 22502. 'Frijol chaneca'. About 1.5 miles above Telixtlahuaca, Oaxaca. Along arroyo. Carrizo and in shrubbery. Annual vine, small. Scarce and scattered.
 325681. Col. No. 22505. 'Frijol machete'. Telixtlahuaco, Oaxaca. Moist arroyo with *Baccharis* and other shrubs. Elevation 5,500 feet. Perennial vine, large, coarse, several years old; lower stems woody, 0.5 inch thick; seeds black.
 325682. Col. No. 22512. About 3.5 miles above highway junction along road to Ixtlan de Juarez, Oaxaca, in *Baccharis glutinosa* thicket. Elevation 5,400 feet. Annual vine; stems thick; pods large; seeds large, black.
 325683. Col. No. 22530. 'Coxcinctla'. Five miles northeast of Cuernavaca, Morelos, along toll road. Elevation 6,300 feet. Annual vine; pods and seeds unusually large.
 325684. Col. No. 22535. Limestone slope with shrubby cover, 5.5 miles east of Teloloapam, Guerrero. Elevation 4,600 feet. Annual vine, small; pods dry, small, narrow; seeds yellow. With *Euchlaena*.
 325685. Col. No. 22541. Open hillslope of limestone with scattered trees, shrubs and grass, 8.5 miles west of Teloloapam, Guerrero. Elevation 5,200 feet. Annual vine, small; seeds black. Scarce.

325584 to 325694—Continued

325610 to 325691—Continued

325686. Col. No. 22542. 'Frijol del raton'. Twelve miles west of Teloapam, Guerrero, with *Ipomoea*, *Acacia*, *Compositae*. Annual vine, heavy yielding; seeds yellow, brown and black. Along road shoulder.
325687. Col. No. 22543. 'Frijol del raton'. Fifteen miles west of Teloapam, Guerrero, with *Ipomoea*, *Lysiloma*, on denuded slope, south exposure. Elevation 5,400 feet. Possibly a perennial vine, heavy yield.
325688. Col. No. 22544. 'Frijol del raton'. Seventeen miles west of Teloapam, Guerrero, shade slope of open hills, roadside. Elevation 4,800 feet. Annual vine; seeds various colors.
325689. Col. No. 22545. Along road, 23 miles west of Teloapam, Guerrero, deforested hill slope with grass and weeds. Elevation 4,300 feet. Annual vine, small; pods small; seeds small, various colors.
325690. Col. No. 22546. Eight miles east of Arcelia, Guerrero, with *Compositae*, *Leucaena*, *Guazuma*, *Ipomoea*, *Bursera*. Elevation 2,800 feet. Annual vine, dry; seeds rather uniform, mottled gray with rabbit-eye pattern.
325691. Col. No. 22551. Eight miles south of Tzitzio, Michoacan. Montanva thicket; oaks, *Leucaena*, *Acacia*, *Caesalpinia cacalaco*, *Gouania*. Small population; pods and seeds larger than average, mostly gray.

325692. PHASEOLUS sp.

Col. No. 22562. Twelve miles southeast of Esquinapa, Sinaloa. Elevation 500 feet. Annual vine, small, dry, in lowland woods on volcanic slope.

325693. VICIA sp. Leguminosae. *sativa* L. (Sum. 36)

Col. No. 22449. 'Trabul'. Market in Zacapoaxtla, Puebla. Elevation 5,900 feet. Cultivated locally for forage.

325694. VIGNA SINENSIS (Torner) Savi Leguminosae. Common cowpea.

Col. No. 22513. 'Frijol garbanso'. Etlá, Oaxaca. Elevation 5,300 feet. Seed small, light grayish, dark eye.

325695 to 325776.

From the United States. Seed presented by J. F. Kelly, Campbell Institute for Agricultural Research, Riverton, N. J. Received Feb. 14, 1968.

325695 to 325698. CAJANUS CAJAN (L.) Millsp. Leguminosae.

Pigeon-pea.

325695. No. 159. Pois congo. Origin Plaine Cul de Sac.
325696. No. 160. Pois congo. Origin Cap Haitien.
325697. No. 161. Pois congo. Origin Petite Riviere Artibonite.
325698. No. 162. Pois congo. Origin Les Cayes.

325699 to 325701. DOLICHOS LABLAB L. Leguminosae. Hyacinth-bean.

325699. No. 156. Pois boucoussou. Origin Les Cayes.
325700. No. 157. Pois nourrice. Origin Plaine Cul de Sac.
325701. No. 158. Pois nourrice. Origin Les Cayes.

325702 and 325703. PHASEOLUS LUNATUS L. Leguminosae. Lima bean.

From Haiti.

325702. No. 150. Pois souche. Origin Les Cayes.
325703. No. 151. Pois souche. Origin Artibonite.

325695 to 325776—Continued

325704 to 325772. PHASEOLUS VULGARIS L.
From Mexico.

Common bean.

- 325704. No. 81. 'Actopan'.
- 325705. No. 82. 'AGS 466'.
- 325706. No. 83. 'Amarillo 153'.
- 325707. No. 84. 'Amarillo 154'.
- 325708. No. 85. 'Amarillo 155'.
- 325709. No. 86. 'Amarillo 156'.
- 325710. No. 87. 'Amarillo 169'.
- 325711. No. 88. 'Antiqua'.
- 325712. No. 89. 'Bayo-107-3-8'.
- 325713. No. 90. 'Bayo-158'.
- 325714. No. 91. 'Bayo-159'.
- 325715. No. 92. 'Bayo-160'.
- 325716. No. 93. 'Bayo-161'.
- 325717. No. 94. 'Bayo-164'.
- 325718. No. 95. 'Bayo-167'.
- 325719. No. 96. 'Bayomex'.
- 325720. No. 97. 'Blanco 157'.
- 325721. No. 98. 'Canario 101'.
- 325722. No. 99. 'Canario 102'.
- 325723. No. 100. 'Canario 103'.
- 325724. No. 101. 'Canario 107-3'.
- 325725. No. 102. 'Canario 107-2-5'.
- 325726. No. 103. 'Canario 107-36-1'.
- 325727. No. 104. 'Canario 107-95-115-1-1'.
- 325728. No. 105. 'Canocel'.
- 325729. No. 106. 'Garbancillo'.
- 325730. No. 107. 'Jamapa'.
- 325731. No. 108. 'Flor de Mayo'.
- 325732. No. 109. 'DGO -225'.
- 325733. No. 110. 'DGO 664 - D 37'.
- 325734. No. 111. 'Negro 151'.
- 325735. No. 112. 'Negro Mecentrol'.
- 325736. No. 113. 'Negro 150'.
- 325737. No. 114. 'Negro 151'.
- 325738. No. 115. 'Negro 170'.
- 325739. No. 116. 'Negro 171'.
- 325740. No. 117. 'PUE 157-K-2'.
- 325741. No. 118. 'PUE 157-J'.
- 325742. No. 119. 'Pueblo 151'.
- 325743. No. 120. 'Rio Bravo'.

325695 to 325776—Continued**325704 to 325772—Continued**

325744. No. 121. 'Rosita del Bajio'.
 325745. No. 122. 'Pinto Nacional'.
 325746. No. 123. 'Var. 222'.
 325747. No. 124. 'Pinto 168'.
 325748. No. 125. 'Var. 107-24-16'.
 325749. No. 126. 'Pinto 133'.
 325750. No. 127. 'Var. 220'.
 325751. No. 128. 'Pinto 162'.
 325752. No. 129. 'Pinto 163'.
 325753. No. 130. 'Pinto 165'.
 325754. No. 131. 'Veracruz 1-A-6'.

From Haiti.

325755. No. 132. Pois blanc. Origin Cap Haitien.
 325756. No. 133. Pois blanc. Origin Artibonite.
 325757. No. 134. Pois blanc. Origin Les Cayes.
 325758. No. 135. Pois blanc. Plaine Cul de Sac.
 325759. No. 136. Pois rouge. Artibonite.
 325760. No. 137. Pois rouge. Cap Haitien.
 325761. No. 138. Pois rouge. Plaine Cul de Sac.
 325762. No. 139. Pois rouge. Les Cayes.
 325763. No. 140. Pois valet. Plaine Cul de Sac.
 325764. No. 141. Pois buerre. Artibonite.
 325765. No. 142. Pois buerre. Cap Haitien.
 325766. No. 143. Pois buerre. Les Cayes.
 325767. No. 144. Pois buerre. Plaine Cul de Sac.
 325768. No. 145. Pois buerre. Les Cayes.
 325769. No. 146. Pois noir. Les Cayes.
 325770. No. 147. Pois noir. Rio Artibonite.
 325771. No. 148. Pois noir. Cap Haitien Nord.
 325772. No. 149. Pois noir. Plaine Cul de Sac.

325773 to 325776. VIGNA SINENSIS (Torner) Savi Leguminosae.

Common cowpea.

From Haiti.

325773. No. 152. Pois inconnu. Cap Haitien.
 325774. No. 153. Pois inconnu. Artibonite.
 325775. No. 154. Pois inconnu. Les Cayes.
 325776. No. 155. Pois inconnu. Cap Haitien.

325777. VITIS VINIFERA L. Vitaceae.**European grape.**

From Iran. Cuttings presented by Messrs. K. W. P. A., Khorramshahr. Received Feb. 15, 1968.

'Yaghoati'.

325778. JARILLA CHOCOLA Standley Caricaceae. 10640

From Mexico. Fruits collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Numbered Feb. 6, 1968.

Col. No. 22563. Local name Chocola. San Bernardo, Sonora. Short-tree forest. Elevation 600 to 1,000 feet. Perennial forest herb.

325779. GLYCINE MAX (L.) Merr. Leguminosae. Soybean.

From El Salvador. Seeds presented by Agricultural Experiment Station, Santa Tecla, through R. W. Howell, Oilseed and Industrial Crops Research Branch, Beltsville, Md. Received Feb. 16, 1968.

'Lucerna'.

325780 to 325794. GOSSYPIMUM HIRSUTUM L. Malvaceae. Upland cotton.

From Venezuela. Seeds collected by D. H. Timothy. Department of Crop Science, North Carolina State University, Raleigh, North Carolina. Received Feb. 16, 1968.

From Monagas.

325780. Col. No. 208. Along Rio Manzanares, 10 km. south of Cumana.

325781. Col. No. 209. Along road 20 km. north of Cumanacoa.

325782. Col. No. 210. Along road from Cumana to Cumanacoa entering Arenas by bridge over Manzanares River.

325783. Col. No. 214. Along road from Quirequire to Caripito at Km. 12.

325784. Col. No. 215. Along road from Quirequire to Carupano north of Caripito, Km. 12.

From Sucre, Guiria.

325785. Col. No. 216. Along beach, south edge of town.

325786. Col. No. 217. Along beach, south edge of town.

325787. Col. No. 222. Along beach, south edge of town.

Behind beach coconuts, south edge of town.

325788. Col. No. 218.

325789. Col. No. 219.

325790. Col. No. 220.

325791. Col. No. 221.

325792. Col. No. 224.

325793. Col. No. 225.

325794. Col. No. 226. Foothills dooryard between Guiria and Rio Salado.

325795 to 325797. VITIS VINIFERA L. Vitaceae.

European grape.

From Italy. Cuttings presented by the Instituto di Patologia Vegetale, Bari. Received Feb. 19, 1968.

325795. 'Primitivo di Gioia No. 2'.

325796. 'Primitivo di Gioia No. 473'.

325797. 'Primitivo di Gioia No. 480'.

325798 to 325802. PUNICA GRANATUM L. Punicaceae.

Pomegranate.

From Sicily. Scions presented by the Università Degli Studi di Catania, Instituto di Coltivazioni Arboree, Catania. Received Feb. 20, 1968.

325798 to 325802—Continued

325798. 'Commune Dolce'.
 325799. 'Dente di Cavallo Coccio-Duro'.
 325800. 'Dente di Cavallo Coddio-Tenero'.
 325801. 'Dente di Cavallo Motta S. Anastasia'.
 325802. 'Dente di Cavallo Tipica'.

325803 to 325810.

From Colombia. Plants collected by D. H. Timothy, North Carolina State University, Raleigh, North Carolina. Received Feb. 21, 1968.

325803 to 325805. TRIPSACUM LAXUM Nash Gramineae.

325803. Col. No. 264. Guaduas to Villeta, Cundinamarca, 4 km. Elevation 1,800 to 1,500 m.

325804. Col. No. 265. Between La Virginia and Anserma, Caldas. Elevation 1,200 m.

325805. Col. No. 269. North of Medellin to Santa Rosa de Osos, Antioquia, 36 km. Elevation 1,400 m.

325806. TRIPSACUM sp.

Col. No. 260. Below bridge on Rio Dulce between Villeta and Sasaima, Cundinamarca. Elevation 1,200 m.

325807. TRIPSACUM sp.

Col. No. 261. Below Rio Dulce bridge, between Villeta and Sasaima, Cundinamarca, 1 km. Elevation 1,000 to 1,200 m.

325808. TRIPSACUM sp.

Col. No. 262. Below Rio Dulce bridge, between Villeta and Sasaima, Cundinamarca, 2 km.

325809. TRIPSACUM sp.

Col. No. 263. Villeta to Honda, Cundinamarca, 3 km. Elevation 1,100 to 1,200 m.

325810. TRIPSACUM sp.

Col. No. 270. Viota to Tocaima, Rancho Tomarindo, Cundinamarca. Elevation 600 m.

325811 to 325819. ZEA MAYS L. Gramineae.**Corn.**

From Kenya. Seeds presented by the Maize Research Section, National Agricultural Research Station, Kitale. Received Feb. 23, 1968.

325811. 'Ecuador 573 Co.'.
 325812. 'Katumani V'.
 325813. 'Katumani VI'.
 325814. 'Ilonga Composite A'.
 325815. 'Kitale Composite C 1'.
 325816. 'Kitale Composite E (66)'.
 325817. 'Kitale II Co.'.
 325818. 'Uguriguru Composite A (66)'.
 325819. 'Zambia Composite I'.

325820 to 325831. ORYZA SATIVA L. Gramineae.**Rice.**

From Thailand. Seeds presented by Food and Agriculture Organization of the United Nations, Regional office for Asia and the Far East, Maliwan Mansion, PHRA Atit Road, Bangkok. Received Feb. 23, 1968.

325820 to 325831—Continued

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|-----------------------------|--------------------------------|
| 325820. 'Bin Ta-pan'. | 325826. 'Leuang Nawy - 2 - 7'. |
| 325821. 'Khao Khao'. | 325827. 'Leuang Rawng'. |
| 325822. 'Khao Leuang'. | 325828. 'Leuang Sai'. |
| 325823. 'Khao Sa-Ahd'. | 325829. 'Leuang Tah-nen'. |
| 325824. 'Khao Sad-lah-yah'. | 325830. 'Leuang Tawng'. |
| 325825. 'Leuang Kha-min'. | 325831. 'Sapan Kwai'. |

325832 to 325837. ORYZA SATIVA L. Gramineae. Rice.

From the Philippines. Seeds presented by T. T. Chang, International Rice Research Institute, Los Banos, Laguna. Originally from S. Wanegasekara, Pleasant Valley Farm, Matara, Ceylon. Received Feb. 23, 1968.

325832. IRI88-4.
 325833. 'IRI88-4-1'.
 325834. IRI88-12-3.
 325835. IRI88-40-3-3-2.
 325836. IRI88-40-6-1.
 325837. 'Danahal'. Maturity 75 days.

325838 and 325839.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received Feb. 14, 1968.

325838. PHASEOLUS VULGARIS L. Leguminosae. Common bean.
 Col. No. 22337. Small, black, pearl gray. Grown on mountain west of Shilac.
 325839. GOSSYPIUM PALMERI Watt Malvaceae. Cotton.
 Col. No. 22548. Huetama, Michoacan. Elevation 600 feet. Shrub cultivated in cottage yard. Leaves dissected almost to base in 3 to 5 narrow lanceolate lobes.

325840. VICIA MONANTHA Retz. Leguminosae.

From the United States. Plants grown at Soil Conservation Service, National Plant Materials Center, Beltsville, Maryland. Received Feb. 26, 1968.

Component of P.I. 314155. Flowers red; peduncle long.

325841. GOSSYPIUM STURTIANUM J. H. Willis Malvaceae.

From Australia. Seeds presented by J. D. Hesketh, Commonwealth Scientific and Industrial Research Organization, Canberra. Received Feb. 26, 1968.

Collected south of Wellington.

325842. TRITICUM AESTIVUM L. Gramineae. Wheat.

From England. Seeds presented by Plant Breeding Institute, Cambridge. Received Feb. 26, 1968.

'Compair'. CS/C × S.

325843 to 325845. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Japan. Seeds presented by K. Kawai, Research Coordination Section, Agriculture, Forestry and Fisheries Research Council, Kasumigaseki, Chiyoda-ku, Tokyo. Received Feb. 26, 1968.

325843. 'Aka-daruma'.

325843 to 325845—Continued

325844. 'Fultz-daruma'.

325845. 'Shiro-daruma'.

325846 to 325852.

From India. Seeds presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Received Feb. 26, 1968.

325846. TRITICUM AESTIVUM L. Gramineae. Common wheat.
K-54.

325847 to 325852. TRITICUM DURUM Desf. Durum wheat.

325847. Arnej-624. 325850. P.W.-3.

325848. N.I. 179. 325851. P.W.-5.

325849. N.I. 284-S. 325852. P.W.-12.

325853 to 325866.

From the Union of Soviet Socialist Republics. Seeds presented by All-Union Institute of Plant Industry, Leningrad. Received Feb. 27, 1968.

325853 to 325855. MALUS TURKMENORUM Juzepczuk & Popv. Rosaceae.

From Turkmenistan.

325853. 'Babarabka Juvan'.

325854. 'Babarabka Tursi'.

325855. No varietal name.

325856 to 325861. PRUNUS AMYGDALUS Batsch Rosaceae. Almond.

From Turkmenistan.

325856. 'Ajderinsky 114'. 325859. 'Ajderinsky 149'.

325857. 'Ajderinsky 144'. 325860. 'Ajderinsky 157'.

325858. 'Ajderinsky 147'. 325861. 'Karakalinsky 35'.

325862. PYRUS BETULAEFOLIA Bunge Rosaceae. Birchleaf pear.

From Turkmenistan.

325863. PYRUS BOISSIERIANA Boiss. & Buhse

From Turkmenistan.

325864. PYRUS CALLERYANA Decaisne. Callery pear.

From Turkmenistan.

325865. PYRUS PYRIFOLIA (Burm.) Nakai Late pear.

From Turkmenistan.

325866. PYRUS SALICIFOLIA Pall. Willow-leaved pear.

From Turkmenistan.

325867 and 325868.

From Uruguay. Seeds collected by Facultad de Agronomia, Laboratorio de Botanica, Montevideo, under P.L. 480 Project S9-CR-3. Received Feb. 27, 1968.

325867. APIUM LEPTOPHYLLUM F. Muell. ex Benth. Umbelliferae.

Ur 44799. Balneario Kiyu, Department San Jose. Annual, low, erect; stems ascending; umbels sessile in upper leaf axils. Fruiting in March in Uruguay, which corresponds approximately to September in the United States.

325867 and 325868—Continued

325868. *ERYNGIUM* cf. *ELEGANS* Cham. & Schlecht. Umbelliferae.

Ur 47334. Santa Teresa, Departamento Rocha. Perennial herb, to 1 m. high; fruits abundant. Collected in March in Uruguay, which corresponds approximately to September in the United States.

325869. FOENICULUM PIPERITUM Sweet Umbelliferae.

From Spain. Seeds presented by Ministerio de Agricultura, Instituto Nacional de Investigaciones Agronomicas, Madrid, under P.L. 480 Project E25—R-11. Received Feb. 27, 1968.

Sp 46662. 'Carosella' or Italian Fennel'. Perennial, shortlived, cultivated as annual or biennial, to 1 m. high; umbels large. Considered a variety of *F. vulgare*. Native of southern Europe.

325870 to 325872.

From Yugoslavia. Seeds collected by Vinko Sadar, Biotehmiska Fakulteta, Ljubljana, under P.L. 480 Project E30—CR-2. Received Feb. 27, 1968.

325870. *ANETHUM GRAVEOLENS* L. Umbelliferae.

Dill.

Yu 45264.

325871. *BIFORA RADIANS* Bieb. Umbelliferae.

Yu 45733. Annual herb, to 3 dm. high; umbel with 5 to 7 rays; umbellets several flowered. Cultivated fields. Southern Europe, western Asia, and Algeria. May to June.

325872. *BIFORA TESTICULATA* (L.) C. Spreng.

Yu 45792. Annual, erect, to 5 dm. high; branching from base; umbel 2 to 3 rayed; umbellets 2 to 6 flowers; fertile. Grainfields. Southern Europe and northern Africa. April to June.

325873. PETROSELINUM CRISPUM (Mill.) Nym. Umbelliferae.

Parsley.

From the United States. Seeds purchased from Kelly Seed Company, Peoria, Ill. Received Feb. 27, 1968.

NU 71065. Herb, erect, much-branched biennial or short-lived perennial, 3 to 10 dm. high. Cultivated. Native of Europe and Mediterranean region.

325874. SYNELCOSCIADIUM CARMELII Boiss. Umbelliferae.

From Israel. Seeds presented by Plant Introduction Service, The National and University Institute of Agriculture, Rehovot, under P.L. 480 Project A10—CR-63. Received Feb. 27, 1968.

Is 42106. Annual herb, erect, dichotomously branched, 1 to 2 m. high; inflorescence of unequally rayed umbels, contracted in fruit. Thickets. Spring.

325875 and 325876.

From Turkey. Seeds collected by Osman Tosun, Department of Agronomy, University of Ankara, Ankara, under P.L. 480 Project A22—CR-1. Received Feb. 27, 1968.

325875. *AMMI MAJUS* L. Umbelliferae.

Tu 43216.

325876. *TORDYLIUM AEGYPTIACUM* Lam. Umbelliferae.

Tu 44602. Annual herb, erect; dichotomously branched from base. Fields. Israel, Turkey. March to April.

- 325877. TRITICUM AESTIVUM L. Gramineae. Common wheat.**
From Germany. Seeds presented by Heine-Peragis Getreidezucht, Einbeck.
Received Feb. 27, 1968.
'Heine VII'.
- 325878. DELABREA LONGICARPA R. Viguier Araliaceae.**
From France. Plants presented by Jardin Botanique "Les Cedres" Saint-Jean-Cap-Ferrat, France. Received Feb. 29, 1968.
- 325879 to 325882. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**
From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Manila. Received Feb. 29, 1968.
- 325879. 'Gapan Native'. Naturalized in Gapan, Nueva Ecija Province.**
Plant indeterminate, branches to 1 m. Fruits medium, round, 3 lobes, fair quality, productive. Wet season variety.
- 325880. 'Improved Harbot'. ('Pearl Harbor' × 'Botbotones' (wild cherry type)).**
Plant semideterminate. Fruit 1 to 2 inches diameter, round, clustered, high yield. Wet season variety.
- 325881. 'Susong Kalabaw'. Naturalized in highlands of Cavite and Batangas Provinces, Luzon.**
Plant indeterminate. Fruit 1 inch diameter by 1 to 1.5 inches long, clustered at internodes. Wet season variety.
- 325882. 'Talavera Native'. Naturalized in Talavera, Nueva Ecija Province, Luzon.**
Plant determinate, vigorous, to 2 feet high. Fruit flat oval with several lobes, productive. Dry season variety.
- 325883 to 325920. ORYZA SATIVA L. Gramineae. Rice.**
From the Philippines. Seeds presented by the International Rice Research Institute, Manila. Received Feb. 29, 1968.
- 325883. IR5-177-2-2-2, Peta × T. Rotan.**
- 325884. IR8-279-2-2-3, Peta × Dgwg.**
- 325885. IR8-288-3-40, Peta × Dgwg.**
- 325886. IR8-288-3-41-1, Peta × Dgwg.**
- 325887. IR8-288-3-68, Peta × Dgwg.**
- 325888. IR11-288-3-1-2, FB 24 × Dgwg.**
- 325889. IR11-452-1-1, FB 24 × Dgwg.**
- 325890. IR39-14, Peta × T(N)1.**
- 325891. IR39-19, Peta × T(N)1.**
- 325892. IR76-154-1-2, BPI-76 × T. 176.**
- 325893. IR84-82-3-4-3, Peta × P.I. 215936.**
- 325894. IR95-42-11-2-2, Peta/2 × T(N)1.**
- 325895. IR95-43-2-4, Peta/2 × T(N)1.**
- 325896. IR127-2-2-19, (CP-231 × SLO-17) × Sigadis.**
- 325897. IR140-136-2, (CP 231 × SLO-17) × Mas.**
- 325898. IR140-165, (CP 231 × SLO-17) × Mas.**
- 325899. IR154-33-1-3, (CP 231 × SLO-17) × T(N)1.**
- 325900. IR154-43-1-2, (CP-SLO-17) × T(N)1.**
- 325901. IR154-45-1-2, (CP 231 × SLO-17) × T(N)1.**
- 325902. IR154-61-1-1 (CP 231 × SLO-17) × T(N)1.**

325883 to 325920—Continued

325903. IR154-66-2, (CP-SLO-17) × T(N)1.
 325904. IR154-77-2-1, (CP-SLO-17) × T(N)1.
 325905. IR154-83-1, (CP-SLO-17) × T(N)1.
 325906. IR154-123-1-1, (CP 231 × SLO-17) × T(N)1.
 325907. IR157-61-3-3, L. Yai 34 × T(N)1.
 325908. IR198-27-3-1, (CP 231 × SLO-17) × P.I. 215936.
 325909. IR237-20-1 (CP 231 × SLO-17) × Louang Tai 34.
 325910. IR238-3-2, (CP 231 × SLO-17) × Nahng Mon S-4.
 325911. IR253-16-1-2, Gam Pai/2 × T(N)1.
 325912. IR262-7-1-1-2, Peta/3 × T(N)1.
 325913. IR268-48-2-1, CI 9545/2 × Sigadis.
 325914. IR276-47-10, B581A6-545/2 × Mas.
 325915. IR277-7-2-3-1, B581A6-545/2 × Mas.
 325916. IR8-288-3-40, Peta × Dgwg.
 325917. IR298-12-1-2, BPI-76 × (CP 231 × SLO-17) × Peta.
 325918. IR400-5-12-10-2, Peta/4 × T(N)1.
 325919. PB-76-66D-63.
 325920. PB-76-66D-98.

325921 to 325923. LYCOPERSCON ESCULENTUM Mill. Solanaceae. Tomato.

From the Republic of South Africa. Seeds presented by Plant Introduction Officer, Department of Agricultural Technical Services, Pretoria. Received Mar. 4, 1968.

325921. 'Homestead Tuinbou'.
 325922. 'Red Kaki'.
 325923. 'Roodeploot Premier'.

325924. COIX LACRYMA-JOBI L. Gramineae. Jobs-tears.

From India. Seeds presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Received Mar. 4, 1968.

Originally collected in Maharashtra State.

325925 to 325932.

From Japan. Seeds presented by Muneo Iizuka, Horticultural Research Station, Ministry of Agriculture and Forestry, Hiratsuka, Kanagawa. Received Mar. 4, 1968.

325925. ACTINIDIA ARGUTA (Sieb. & Zucc.) Miq. Dilleniaceae. Bower actinidia.

325926 to 325932. PYRUS CALLERYANA Decaisne Rosaceae. Callery pear.

- | | |
|----------------|----------------|
| 325926. Vo 17. | 325930. Vo 29. |
| 325927. Vo 26. | 325931. Vo 31. |
| 325928. Vo 27. | 325932. Vo 32. |
| 325929. Vo 28. | |

325933 and 325934. SETARIA SPHACELATA (Schum.) Stapf & Hubb.
ex M. B. Moss Gramineae.

From Australia. Seeds presented by Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 4, 1968.

325933. C.P.I. 33452.

325934. C.P.I. 33453. From Beerwah.

325935 and 325936. SAMBUCUS CHINENSIS Lindley Caprifoliaceae.

From Japan. Seeds presented by Hideo Mori, Morioka Branch, Horticultural Research Station, Ministry of Agriculture and Forestry, Shimokuriyagawa, Morioka. Received Mar. 4, 1968.

325935. Morioka City, Iwate prefecture.

325936. Kawasaki village, Higashiiwai-gun, Iwate prefecture.

325937 and 325938. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.
Sweetpotato.

From Japan. Roots presented by Yoshiharu Nagano, Chugoku Agricultural Experiment Station, Fukuyama, Hiroshima. Received Dec. 29, 1967. Numbered Mar. 4, 1968.

325937. 'Chugoku 23'.

325938. 'Chugoku 25'.

325939. HIBISCUS CANNABINUS L. Malvaceae. **Kenaf.**

From Ghana. Seeds presented by S. Y. Amanquah, Academy of Sciences, Crops Research Institute, Kumasi, through F. Douglas Wilson, Department of Soil and Crop Sciences, College Station, Texas. Received Mar. 4, 1968.

325940 to 325942.

From England. Scions presented by J. W. Archer, Coombe Edge, Windlesham, Surrey. Numbered Mar. 4, 1968.

325940. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae.
Lawson cypress.

'Stilton Cheese'.

325941. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endl. Hinoki cypress.
'White tip'.

325942. CHAMAECYPARIS PISIFERA (Sieb. & Zucc.) Endl. Sawara retinospora.
'Tsukuma'.

325943 and 325944.

From Venezuela. Seeds collected by D. H. Timothy, Department of Crop Science, North Carolina State University, Raleigh, North Carolina. Received Mar. 4, 1968.

325943. ARACHIS HYPOGAEA L. Leguminosae.

Col. No. 213. 'Mani'. Monagas. Market in Quirequire. Cultivated in area of Maturin and Quirequire.

325944. TRIPSACUM LAXUM Nash Gramineae. **Guatemala gamagrass.**

Col. No. 211. Monagas. Fifteen km. from Caripe in banana patch by road to San Augustine. Elevation 1,200 m.

325945 to 325983. PENNISETUM TYPHOIDES (Burm. f.) Stapf & C. E. Hubbard Gramineae.

From India. Seeds presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Received Mar. 4, 1968.

325945. I.P. 52.	325965. I.P. 1955.
325946. I.P. 174.	325966. I.P. 1960.
325947. I.P. 272.	325967. I.P. 1966.
325948. I.P. 288.	325968. I.P. 1973.
325949. I.P. 370.	325969. I.P. 1975.
325950. I.P. 520.	325970. I.P. 1986.
325951. I.P. 521.	325971. I.P. 1990.
325952. I.P. 529.	325972. I.P. 2005.
325953. I.P. 543.	325973. I.P. 2010.
325954. I.P. 850.	325974. I.P. 2042.
325955. I.P. 897.	325975. I.P. 2057.
325956. I.P. 919.	325976. I.P. 2077.
325957. I.P. 934.	325977. I.P. 2079.
325958. I.P. 938.	325978. I.P. 2080.
325959. I.P. 944.	325979. I.P. 2082.
325960. I.P. 1932.	325980. I.P. 2093.
325961. I.P. 1933.	325981. I.P. 2121.
325962. I.P. 1934.	325982. I.P. 2124.
325963. I.P. 1936.	325983. I.P. 2160.
325964. I.P. 1938.	

325984 to 326015. DAUCUS CAROTA L. Umbelliferae. Carrot.

From the Union of Soviet Socialist Republics. Seeds presented by All-Union Institute of Plant Industry, Leningrad. Received Mar. 4, 1968.

Krasnoyarsk Territory.

325984. K-1569. Local strain.

325985. K-1582. Local strain.

Lithuania.

325986. K-1642. Local strain.

325987. K-1645. Local strain.

325988. K-1653. Local strain.

Moscow Region.

325989. K-1296. 'Nantskaja 4'.

325990. K-1307. 'Gribovskaja 514'.

325991. K-1308. 'Valeria 5'.

325992. K-1467. 'Moskovskaja Zimnaja A-515'.

325993. K-1603. 'Parizskaja (Parisian) Karotel 448'.

325994. K-2017. 'Losinoostrovskaja 13'.

Ukraine.

325995. K-1439. 'Shantene skvirskoe'.

325996. K-1528. 'Nesravnennaja'.

325984 to 326015—Continued

325997. K-1706. Local strain.
 325998. K-1707. Local strain.
 325999. K-1709. 'Nantskaja Harkovskaja'.
 326000. K-1834. 'Nantskaja 14'.
 326001. K-1929. 'Gavrilovskaja'.
 326002. K-1934. 'Biriucekutskaja 415'.
 Western Siberia.
 326003. K-1285. 'Shantene 2461'.
 326004. K-1596. 'Altajskaja ukorocennaja'.
 326005. K-1370. 'Hibinskaja'. Murmansk Region.
 326006. K-1384. 'Geranda'. Voronez Region.
 326007. K-1531. 'Leningradskaja'. Leningrad Region.
 326008. K-1605. 'Aramilskaja'. Sverdlovsk Region.
 326009. K-1613. 'Mirzoi Krasnaia (red) 228'. Uzbekistan.
 326010. K-1623. 'Msaki surh'. Tadjikistan.
 326011. K-1650. 'Tushon'. Lithuania.
 326012. K-1685. 'Nantskaja Goryskaja'. Georgia.
 326013. K-1932. 'Sibirskaja Krasnaja'. Omsk Region.
 326014. K-1936. 'Leninakanskaja'. Armenia.
 326015. K-2045. 'Korsunskaja uluchshennaja (improved) M-15'. Ulyanovsk Region.

326016 to 326022. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Mexico. Tubers presented by the Instituto Nacional de Investigaciones Agrícolas, Chapingo. Received Mar. 4, 1968.

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| 326016. 'Anita'. | 326020. 'Gabriela'. |
| 326017. 'Conchita'. | 326021. 'Juanita'. |
| 326018. 'Elenita'. | 326022. 'Sangima'. |
| 326019. 'Florita'. | |

326023 to 326025. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From the Republic of South Africa. Seeds purchased from the Gunson Seeds South Africa Ltd., Johannesburg. Received Mar. 4, 1968.

326023. GR.25/63.
 326024. SH/15R.
 326025. ST/11760.

326026 to 326028. ORYZA SATIVA L. Gramineae. Rice.

From Korea. Seeds presented by Kyun Ok Choi, Crop Experiment Station, Suwon. Received Mar. 5, 1968.

326026. 'Nongkwang'.
 326027. 'Sukwang'.
 326028. 'Yongkwang'.

326029 to 326033. ORYZA SATIVA L. Gramineae. Rice.

From Iraq. Seeds presented by C. L. Pan, Food and Agriculture Organization of the United Nations, Baghdad. Received Mar. 5, 1968.

326029. 'Amber 33'. Indica type. Long season, pure line selection. Extremely fine grain, cooking variety; very tall, lodges 2 weeks before harvest; very high yielding.

326030. 'Bazian 14'. Japonica type. Medium season, grown in northern Iraq. Straw short; very susceptible to blast; quality good. Adaptable to irrigation.

326031. 'Choul'. Indica type. Medium season, new variety, high yielding. High response to heavy fertilization.

326032. 'Ghraiba 52'. Indica type. Short season, April to September; very high yielding. Cooking quality less promising than 'Amber 33' (P.I. 326029).

326033. 'Nayima 45'. Indica type. Short season, April to September; improved variety; straw short; resistant to lodging.

326034. TEPHROSIA sp. Leguminosae.

From Kenya. Seeds collected by Robert E. Perdue, Jr., Crops Research Division, Plant Industry Station, Beltsville, Maryland. Numbered Mar. 6, 1968.

326035 to 326046.

From Japan. Seeds presented by Y. Tachibana, Botanical Garden of Osaka City University, Katano-cho, Kitakawachigun, Osaka Prefecture. Numbered Mar. 6, 1968.

326035. HIBISCADELPHUS HUALALAIENSIS Rock Malvaceae.

326036. HIBISCUS CISPLATINUS St. Hil. Malvaceae.

326037. HIBISCUS CLAYII Degener & I. Degener.

326038. HIBISCUS DENISONII Hort.

326039. HIBISCUS HAMABO Sieb. & Zucc.

326040. HIBISCUS LUDWIGII Eckl. & Zeyh.

326041. HIBISCUS MUTABILIS L.

Cotton rosemallow.

326042. HIBISCUS PEDUNCULATUS L. f.

326043. HIBISCUS SYRIACUS L.

Shrub-althea.

326044. HIBISCUS TILIACEUS L.

Linden hibiscus.

326045. HIBISCUS TUBIFLORUS Moc. & Sesse ex DC.

326046. HIBISCUS YOUNGIANUS Gaudich.

326047. MUSSAENDA ROXBURGHII Hook. f. Rubiaceae.

From India. Seeds presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Numbered Mar. 6, 1968.

Originally collected in Assam State.

326048. SALVIA sp. Labiatae.

From Trinidad. Seeds collected by E. P. Imle, American Cocoa Research Institute, Washington, D. C. Numbered Mar. 6, 1968.

Col. No. 141. 'Sage'. Garden of E. R. Moll. Similar to red *Salvia*. Flowers dark purple. Originally from India.

326049. DENDROCALAMUS GIGANTEUS Munro Gramineae. **Bamboo.**

From Ceylon. Seeds presented by Central Agricultural Research Institute, Gannoruwa, Peradeniya. Numbered Mar. 6, 1968.

326050 to 326069.

From Venezuela. Seeds collected by D. H. Timothy, Department of Crop Science, North Carolina State University, Raleigh, North Carolina. Numbered Mar. 6, 1968.

326050. GOSSYPIUM sp. Malvaceae.

Col. No. 247. Tachira. Along road 8 km. from La Grita toward E. Cobre. Elevation 1,400 m.

326051. GOSSYPIUM sp.

Col. No. 251. Merida. Playa de los Bailadores. Dooryard. Elevation 1,400 m.

326052. GOSSYPIUM sp.

Col. No. 252. Merida. Along road between Tovar and Santa Cruz.

326053. GOSSYPIUM sp.

Col. No. 253. Merida. Desert area along road between Estanquez and Puente Real.

326054. PHASEOLUS ABORIGINEUS Burkart Leguminosae.

Col. No. 256. 'Ganote'. Tachira, between Rubio and Las Delicias.

326055. PHASEOLUS sp.

Col. No. 255. 'Garrota'. Merida, above La Grita. Semiwild. Reported to be an undescribed species.

326056. TRIPSACUM LAXUM Nash Gramineae. **Guatemala gamagrass.**

Col. No. 228. Sucre, north of Rio Grande de Arriba, along horse trail. From cleared farm of Victor Carreno.

326057. TRIPSACUM sp.

Col. No. 234. Trijillo. Four km. below La Puerta on road to Timotes. Both sides of road on steep, rocky hills. Elevation 1,400 m.

326058. TRIPSACUM sp.

Col. No. 238. Trijillo. Km. 5, Valera to Las Cuevas. Quebrada de los Cuevas. Hillside above river. Very large colony. Elevation 600 m.

326059. TRIPSACUM sp.

Col. No. 239. Merida. Km. 1/2, La Vigia to Mendoza, after crossing river. Both sides of road hillsides. Dense.

326060. TRIPSACUM sp.

Col. No. 240. 'Canito'. Tachira. Km. 5, La Libertad to San Antonio, El Caimita, village of Recuter. Rocky slope.

326061. TRIPSACUM sp.

Col. No. 242. Tachira. Km. 18, San Cristobal to Rubio. Small colony, 25 plants; others along road, edges of pastures and woods. Elevation 1,800 m.

326062. TRIPSACUM sp.

Col. No. 244. Tachira. Km. 11, San Cristobal to Rubio, El Cedro. Beside family garden, moist hillside, partial shade.

326050 to 326069—Continued

326063. TRIPSACUM sp.

Col. No. 245. Tachira. Km. 13, San Cristobal to Rubio. Large colony, rocky hillside. Elevation 1,200 m.

326064. TRIPSACUM sp.

Col. No. 246. Tachira. Km. 11, La Grita to El Cobre. Valley hillsides. Elevation 1,200 m.

326065. TRIPSACUM sp.

Col. No. 248. Tachira. Three km. above bridge between La Grita and La Quinta. Steep cliff above stream; access almost impossible. Three plants. Elevation 1,400 m.

326066. TRIPSACUM sp.

Col. No. 249. Tachira. Km. 5, La Grita to Serobuco. Cliff walls of partially shaded rocky quebrada. Fifty plants.

326067. TRIPSACUM sp.

Col. No. 254. Merida between Ejido and Parroguia. Large colony. Dry steep road cut.

326068. TRIPSACUM sp.

Col. No. 257. Barinas. About 5 km. above Barinitas. Wet bank along shady side of road. Elevation 900 m.

326069. TRIPSACUM sp.

Col. No. 258. Lara. Near Km. 20, Barquisimeto to Acariqua. Hillside and dry creek bank. Small population, rare. Elevation 500 m.

326070. CYDONIA OBLONGA Mill. Rosaceae.

Quince.

From England. Graftsticks presented by the East Malling Research Station, Madistone, Kent. Received Mar. 6, 1968.

Clone No. 293. (P14B/6/53).

326071 to 326087.

From the Union of Soviet Socialist Republics. Seeds presented by All-Union Institute of Plant Industry, Leningrad. Numbered Mar. 7, 1968.

326071. ACTINIDIA KOLOMIKTA (Maxim.) Rupr. ex Maxim.
Dilleniaceae.

Kolomikta.

326072. ACTINIDIA POLYGAMA (Sieb. & Zucc.) Maxim.

Silvervine.

326073. MALUS ORIENTALIS Uglitzk. ex Juzepczuk

326074. PRUNUS CERASIFERA Ehrh. Rosaceae.

326075. PRUNUS SPINOSA L.

Blackthorn.

326076. PYRUS BETULAEFOLIA Bunge Rosaceae.

Birchleaf pear.

326077. PYRUS BRETSCHEIDERI Rehd.

Bretschneider pear.

326078. PYRUS CALLERYANA Decaisne

Callery pear.

326079. PYRUS CAUCASICA Fed.

326080. PYRUS ELAEAGRIFOLIA Pall.

326081. PYRUS NIVALIS Jacq.

326082. PYRUS PHAEOCARPA Rehd.

Dusky pear.

326083. PYRUS PYRIFOLIA (Burm.) Nakai

Late pear.

326084. PYRUS USSURIENSIS var. HONDOENSIS (Kikuchi & Nakai) Rehd.

326085. PYRUS USSURIENSIS var. OVOIDEA Rehd.

326071 to 326087—Continued326086. *PYRUS UYEMATSUANA* Makino326087. *PYRUS* sp.**326088 and 326089.**

From Kenya. Seeds collected by Robert E. Perdue, Jr., Crops Research Division, Plant Industry Station, Beltsville, Maryland. Numbered Mar. 7, 1968.

326088. *DOMBEYA* sp. Sterculiaceae.

Col. No. 9331. In scrub, 1.3 miles east of Ngoina Tea Estate, Nyanya Province, Kericho District.

326089. *DOMBEYA* sp.

Col. No. 9490. Kakamega Forest, 3.2 miles east southeast of Kisieni, Nyanya Province, North Nyanya District.

326090 and 326091.

From the United States. Seeds grown in 1967 at United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Mar. 7, 1968.

326090. *PHASEOLUS ABORIGINEUS* Burkart Leguminosae.

No. So 375. Original seed collected by Arturo Burkart, Instituto Botanico Darwinion, Buenos Aires, Argentina and received through Wilhelm Rudolf, Max-Planck Institute, Koln-Vogelsang, Germany, and Lawrence Kaplan, University of Massachusetts, Boston, Massachusetts.

326091. *PHASEOLUS VULGARIS* L.

Common bean.

Col. No. 22184. Original seed collected in 1966 by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Colima-Jalisco border near Tonila. Elevation 3,700 feet. Volcanic canyon, brushy slope. Small, slender vine climbing on shrubbery. Flowers lavender.

326092 to 326135. *PHASEOLUS VULGARIS* L. Leguminosae.

Common bean.

From Honduras. Seeds collected in 1965 by H. S. Gentry, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Maryland. Increased by Escuela Agricola Panamericana, Zamarana in 1966. Numbered Mar. 7, 1968.

Department of Santa Barbara.

326092. Col. No. 20731. Local name Frijol Chile Retinto. Quimistan. Elevation 2,000 feet. Dark red.

326093. Col. No. 20732. Azacaulpa. Elevation 2,000 feet. Dark red.

326094. Col. No. 20733. Sula. Elevation 2,000 feet. Dark red.

Market in Florida, Department of Copan. Elevation 2,000 feet.

326095. Col. No. 20734. Small, light red.

326096. Col. No. 20735. Black.

326097. Col. No. 20736. Local name Frijol Retinto. Dark red.

326098. Col. No. 20737. Dark red.

326099. Col. No. 20738. Black. Common.

326100. Col. No. 20739. Black. Common.

Market in San Antonio, Department of Copan. Elevation 2,500 feet.

326101. Col. No. 20740. Local name Frijol Retinto. Small, dark red.

326092 to 326135—Continued

326102. Col. No. 20741. Local name Frijol Negro. Small, black.
 326103. Col. No. 20742. Local name Frijol Retinto. Dark red.
 Market in San Jeronimo, Department of Copan. Elevation 3,000 feet.
 326104. Col. No. 20743. Local name Frijol Estica. Dark red.
 326105. Col. No. 20744. Local name Frijol Negro Guiano. Small, black.
 326106. Col. No. 20745. Local name Frijol Blanco de Verdura. White,
 eaten as green pods.
 326107. Col. No. 20746. Local name Frijol Rojo Retinto. Dark red.
 326108. Col. No. 20747. Local name Frijol Vaina Blanca. Pods white
 with black seeds.

Market in Copan, Department of Copan. Elevation 1,800 feet.

326109. Col. No. 20750. Local name Frijol Retinto. Mixed, dark reddish.
 326110. Col. No. 20751. Local name Frijol Vaina Blanca. Seeds black.
 Common.

326111. Col. No. 20752. Local name Frijol Blanco. White.
 326112. Col. No. 20753. Local name Frijol Negro. Black. Common.

Market in Santa Rita, Department of Copan. Elevation 2,000 feet.

326113. Col. No. 20754. Local name Frijol Negro. Black. Common.
 326114. Col. No. 20755. Local name Frijol Negro.
 326115. Col. No. 20756. Local name Frijol Blanco. White. Common.
 326116. Col. No. 20759. Local name Frijol Negro. Between Santa Rita
 and Jeronimo by Rio Amarillo. Elevation 2,600 feet. Small, bush type,
 maturing in field, mixed, some runners, pods whitish, some purple. In-
 fected with fungus, virus, and insects.

Market in Santa Rosa de Copan, Department of Copan. Elevation 3,600
 feet.

326117. Col. No. 20763. Local name Frijol Retinto Revuelta. Mixed,
 mostly dark red.
 326118. Col. No. 20764. Local name Frijol Retinto. Dark red.
 326119. Col. No. 20765. Local name Frijol Retinto. Small, uniform,
 very dark red.
 326120. Col. No. 20766. Local name Frijol Tinto Mesclado. Mixed;
 mostly dark red.
 326121. Col. No. 20767. Local name Tineco. Uniform, small, black,
 shiny.
 326122. Col. No. 20768. Local name Frijol Blanco. White.
 326123. Col. No. 20769. Local name Frijol Negro. Black.
 326124. Col. No. 20770. Local name Frijol Retinto. Dark red.
 326125. Col. No. 20771. Local name Frijol Blanco. White.
 326126. Col. No. 20772. Local name Frijol Negro. Black.
 326127. Col. No. 20773. Local name Frijol Retinto. Dark red.

Market in Dulce Nombre, Department of Copan. Elevation 4,000 feet.
 Sedimentaries.

326128. Col. No. 20778. Local name Frijol Retinto. Dark red.
 326129. Col. No. 20779. Local name Frijol Negro. Black.
 326130. Col. No. 20781. Local name Frijol Retinto. Dark red.

326092 to 326135—Continued

326131. Col. No. 20782. Local name Frijol Tineco. Small, black, shiny.
 326132. Col. No. 20783. Local name Frijol Retinto. Dark red.
 326133. No Col. No. (Mixture). Red.
 326134. No Col. No. (Mixture). Dark red.
 326135. No Col. No. (Mixture). Black.

326136 to 326141. HIBISCUS CANNABINUS L. Malvaceae.**Kenaf.**

From Ghana. Seeds presented by S. Y. Amankwah, Crops Research Institute, Ghana Academy of Sciences, Kumasi. Received Mar. 8, 1968.

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| 326136. 'Baag'. Tuma. | 326139. 'Kpogobrni-Nyanga'. Bamboi. |
| 326137. 'Bagri'. Nafah. | 326140. 'Nyanga'. Bamboi. |
| 326138. 'Bigri'. Gindakeo. | 326141. 'Pia-Nyanga'. Bamboi. |

326142. LAGENARIA SICERARIA (Mol.) Standl. Cucurbitaceae.

From Ethiopia. Seeds collected by Robert E. Perdue, Jr., Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received Mar. 8, 1968.

Col. No. 9601. Near Dodola Road. 15 km. east of junction with Shashmene-Negele Road, Arusi Province. Coarse herbaceous vine climbing over, and often nearly choking, trees and shrubs.

326143. ORYZA SATIVA L. Gramineae.**Rice.**

From the United States. Seeds grown at Regional Plant Introduction Station, Washington State University, Pullman, Wash. Received Mar. 8, 1968.

Contaminant in P.I. 255825.

326144 to 326152. TRIFOLIUM REPENS L. Leguminosae.**White clover.**

From Iran. Seeds presented by Ahmad Mokhtarzadeh, Pahlavi University, College of Agriculture, Shiraz. Received Mar. 8, 1968.

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| 326144. W 1. Origin France. | 326149. W 8. Origin Hamadan. |
| 326145. W 2. Origin Hamadan. | 326150. W 9. Origin Natenz. |
| 326146. W 4. Origin Isfahan. | 326151. W 20. Origin Teheran. |
| 326147. W 6. Origin Hamadan. | 326152. W 21. Origin Isfahan. |
| 326148. W 7. Origin Yazd. | |

326153 to 326163. VIGNA SINENSIS (Torner) Savi Leguminosae.**Common cowpea.**

From Uganda. Seeds presented by P. N. Mehta, Makerere University College, Kampala. Received Mar. 8, 1968.

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| 326153. 'Serere Local'. | 326159. V.U. 9. |
| 326154. V.U. 1. | 326160. V.U. 11. |
| 326155. V.U. 2. | 326161. V.U. 12. |
| 326156. V.U. 3. | 326162. V.U. 13. |
| 326157. V.U. 7. | 326163. V.U. 14. |
| 326158. V.U. 8. | |

326164 to 326167.

From Canada. Seeds presented by Botanical Garden, University of British Columbia. Received Mar. 11, 1968.

326164. *ACER MACROPHYLLUM* Pursh Aceraceae. Bigleaf maple.
 326165. *KALMIA ANGUSTIFOLIA* L. Ericaceae.
 326166. *KALMIA LATIFOLIA* L. Mountain-laurel.
 326167. *KALMIA POLIFOLIA* var. *MICROPHYLLA* (Hook.) Rehd.

326168 to 326173.

From the United States. Seeds presented by John W. Clark, Elkton, Maryland. Received Mar. 12, 1968.

- 326168 to 326172. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
 326168. 'Durbot'. South Africa.
 326169. 'Fengshan No. 1'. Taiwan.
 326170. 'Persimmon Type'. Taiwan.
 326171. 'Roodeplaar Premier'. South Africa.
 326172. 'Sunneva'. South Africa.
 326173. *LYCOPERSICON PERUVIANUM* (L.) Mill.
 South America. Wild purple strain; fruits very small.

326174 to 326203.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Numbered Mar. 13, 1968.

326174. *ANACARDIUM OCCIDENTALE* L. Anacardiaceae. Cashew.
 Col. No. 22383. Local name Maranon. Candelario, District Pochutla, Oaxaca. Grows in Chacalapa. Elevation 1,000 feet. Trees bearing edible fruits.
 326175. *BOMAREA* sp. Amaryllidaceae.
 Col. No. 22566. Tepoztlan, Morelos. Elevation 6,000 feet. Perennial vine; stem turgescent. Growing on cliff in oak forest.
 326176. *BURSERA FAGAROIDES* Engler Burseraceae.
 Col. No. 22421. Eight miles west of San Antonio. To 4 feet high, spreading; bark greenish gray.
 326177. *BURSERA GALEOTTIANA* Engler in DC.
 Col. No. 22402. Along highway near Tehuitzingo, Puebla. Rocky sun slope. Elevation 4,000 feet. Tree with red trunk; leaves finely dissected; fruit small.
 326178. *BURSERA SCHAFFNERI* S. Wats.
 Col. No. 22370. Local name Copal. Dwarf. Six miles northeast of Teixtlahuaca, Oaxaca. Elevation 5,800 feet. Tree to 2 feet high, spreading, with massive shortly branched trunk. Ornamental for dwarf incense tree culture.
 326179. *BURSERA SCHLECHTENDALII* Engl.
 Col. No. 22420. Three to eight miles west of San Antonio, District of Teotitlan, Oaxaca. Elevation 2,700 feet. Thorn forest. Tree or shrub, small, spreading; bark dark or brown; leaf single.
 326180. *BURSERA* sp.
 Col. No. 22427. Nine miles west of San Antonio, District of Teotitlan, Oaxaca. Elevation 2,700 feet. Thorn forest. Tree, spreading; bark light gray. Common.

326174 to 326203—Continued

326181. *BURSERA* sp.

Col. No. 22495. Toll road to Cuatla above Tepoztlan, Morelos. Elevation 6,500 feet. Tree to 19 feet high; leaf rachis winged.

326182. *CARYA* cf. *ILLINOINENSIS* (Wang.) K. Koch Juglandaceae. Pecan.

Col. No. 22384. Local name Nues de Guilapa. Candelario, District Pochutla, Oaxaca. Pecan nuts as seen in local market.

326183. *CUCURBITA* cf. *MAXIMA* Duchesne Cucurbitaceae. Squash.

Col. No. 22393. Local name Calabasa. Telixtlahuaca, Oaxaca. Elevation 5,500 feet. Fruit large, broadly ribbed, heavy, pumpkinlike.

326184 and 326185. *CUCURBITA MOSCHATA* Duchesne ex Poir Cushaw.

326184. Col. No. 22410. Market in Tepoztlan, Morelos. Elevation 5,000 feet. Cultivated for its edible seeds.

326185. Col. No. 22415. Local name Pipiana. Market in Techuacan, Puebla. Seed large, wide dark margin; used as food in pastries and special dishes.

326186. *DATURA DISCOLOR* Bernh. Solanaceae.

Col. No. 22381. Five miles north of Pochutla, Oaxaca. Elevation 600 feet. Along roadside. Flowers white flushed, purple inside.

326187. *DESMODIUM* sp. Leguminosae.

Col. No. 22493. Cuatla exit from toll road Cuernavaca to Mexico. Lava slope, brushy. Annual, decumbent, rooting at nodes.

326188. *ECHEVERIA* sp. Crassulaceae.

Col. No. 22392. Ayutla, District Tamazulapan, Oaxaca. Elevation 6,500 feet. Small succulent rosettes with green and yellow inflorescence.

326189. *IPOMOEA* sp. Convolvulaceae.

Col. No. 22532. Five miles northeast of Cuernavaca along toll road to Mexico. Elevation 6,400 feet. Vine dry, seeding.

326190. *IPOMOEA* sp.

Col. No. 22534. Five miles east of Iguala, Guerrero. Elevation 3,000 feet. Vine dry, seeding.

326191. *IPOMOEA* sp.

Col. No. 22552. Eight miles south of Tzitzio, Michoacan. Elevation 3,000 feet. Vine dry, hanging from tree.

326192. ~~*IPOMOEA*~~ sp. Leguminosae. *Acacia* sp.

Col. No. 22409. Local name Huaje. Market in Tepoztlan, Morelos. Reported from Iguala, Guerrero. Seeds roasted and eaten.

326193. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

Col. No. 22335. Market in Zinocatepec, Puebla. Elevation 5,000 feet. Fruit large, crimson red, 4 to 5 segments. Old local type.

326194 to 326196. *PISUM SATIVUM* L. Leguminosae. Pea.

326194. Col. No. 22340. Market in Chilac. Grown by Indians on mountain above Teotitlan, Puebla. Elevation 7,000 feet. Dry; smooth-coated seeds.

326195. Col. No. 22435. Local name Alberjon. Market in Acatzingo, Puebla. Elevation 6,000 feet. Eaten parched or boiled. Planted following corn at tassel time, or alone.

326196. Col. No. 22442. Local name Alberjon. Market in Atlotonga, Veracruz. Elevation 6,000 feet. Cultivated.

326174 to 326203

326197. *RHYNCHOSIA* sp. Leguminosae.

Col. No. 22396. Four miles northeast of highway junction along road to Ixtlan de Juarez, Oaxaca. Elevation 5,500 feet. Perennial vine, large; flowers yellow; forming masses over shrubs.

326198. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.

Col. No. 22347. San Lorenzo Alvarado, east of Mitla, Oaxaca. Elevation 6,000 feet. Shrub to 8 feet high, spreading.

326199. *TAGETES ERECTA* L. Compositae. Aztec marigold.

Col. No. 22398. 'Tempansuchil'. Between Pochutla and Candelario, Oaxaca. Elevation 600 feet. Tropical. Annual to 4.5 feet high, showy; branches spreading, graceful; flowers variable.

326200. *TAGETES* sp.

Col. No. 22516. Etna, Oaxaca. Elevation 5,300 feet. Annual weed, small, diffuse. Along highway shoulder.

326201. *TAGETES* sp.

Col. No. 22517. Etna, Oaxaca. Elevation 5,300 feet. Annual herb. Common along roads.

326202. *TAGETES* sp.

Col. No. 22519. Twenty miles northeast of Oaxaca along road to Ixtlan de Juarez. Elevation 8,000 feet. Herb with yellow rays; aromatic—like anise or licorice.

326203. *ZINNIA MULTIFLORA* L. Compositae. Redstar zinnia.

Col. No. 22518. Etna, Oaxaca. Elevation 5,300 feet. Annual herb to 3 feet high, slender, erect, with red rays.

326204 to 326319.

From the Union of Soviet Socialist Republics. Seeds presented by All-Union Institute of Plant Industry, Leningrad. Numbered Mar. 14, 1968.

326204 and 326205. *AGROPYRON PECTINIFORME* Roem. & Schult. Gramineae.

326204. K-27328. 'Karabalykskij 202'. Kustanaj region.

326205. K-35221. Wild. Altaj territory.

326206 to 326208. *AGROPYRON SIBERICUM* (Willd.) Beauv. Siberian wheatgrass.

326206. K-27634. 'Aktiubinskij'. Aktiubinsk region.

326207. K-35220. Wild. Voronez region.

326208. K-35222. Wild. Altaj territory.

326209. *AGROPYRON TRICHOPHORUM* (Link) Richt. Stiffhair wheatgrass.

K-35218. Altaj region.

326210 to 326212. *ALOPECURUS PRATENSIS* L. Gramineae. Meadow foxtail.

326210. K-25235. 'Hibinskij 438'. Murmansk region.

326211. K-34998. 'Mestnyj'. Ussurijsk territory.

326212. K-35382. 'Jarcevskij mestnyj'. Siberia.

326213. *ALOPECURUS VENTRICOSUS* (Gouan) Huds.

K-35383. 'Obskij'. Far northern.

326214. *AVENA BYZANTINA* K. Koch Gramineae. Red oats.

K-9992. Uzbekistan.

326204 to 326319—Continued

- 326215 to 326232. *AVENA SATIVA* L. Common oats.
326215. K-4829/I. Armenia.
326216. K-7237. 'Verhniacs kij'. The Ukraine.
326217. K-7967. 'Verhniacs kij 41'. The Ukraine.
326218. K-8459. 'Maganskij 339-044'. Jakutia.
326219. K-8573. 'Markovskij 596'. The Ukraine.
326220. K-8611. 'Bajkal'. Irkutsk region.
326221. K-9135. 'Onohojskij A-547'. Buriatia.
326222. K-9949. 'Jygeva Koidu'. Estonia.
326223. K-9951. 'Jygeva Rostekindlam'. Estonia.
326224. K-10036. 'Severnyj 990'. Krasnojarsk territory.
326225. K-10590. Local. Komi.
326226. K-10792. 'Jakutskij 1708'. Jakutia.
326227. K-10793. Local. Jakutia.
326228. K-10799. 'Omskij 19260'. Irkutsk region.
326229. K-10846. 'Ajgorudo'. Sakhalin.
326230. K-10932. 'Severnyj 209'. Komi.
326231. K-11132. 'Severianin'. Arkhangelsk region.
326232. K-11340. 'Stendsky feltyj'. Latvia.
- 326233 to 326236. *AVENA SATIVA* var. *ARISTATA* Schlecht.
326233. K-4892. The Ukraine.
326234. K-8257. 'Sovetskij'. The Ukraine.
326235. K-9869. 'Hibiny 2'. Murmansk region.
326236. K-10732. 'Skorospelks'. Murmansk region.
326237. *AVENA SATIVA* var. *BRUNNEA* Koern. & Wern.
K-1740. Local. Irkutsk region.
- 326238 to 326240. *AVENA SATIVA* var. *GRISEA* Koern. & Wern.
326238. K-4890/2. The Ukraine.
326239. K-10591. Local. Komi.
326240. K-10872. 'Kabardinec'. Northern Caucasus.
- 326241 to 326253. *AVENA SATIVA* var. *MUTICA* Schlecht.
326241. K-1253. 'Samarskij samyj rannij'. Kujbyshev region.
326242. K-2392. Local. Irkutsk region.
326243. K-3719. The Ukraine.
326244. K-3724. The Ukraine.
326245. K-3730. The Ukraine.
326246. K-4887. The Ukraine.
326247. K-6809. 'Verhniacs kij 54'. The Ukraine.
326248. K-8770. 'Krymskij 90'. Crimea.
326249. K-9141. 'Sibiriak'. Irkutsk region.
326250. K-9939. 'Bendery 878A'. Moldavia.
326251. K-10790. 'L' govskij 1026'. Kursk region.

326204 to 326319—Continued

326241 to 326253—Continued

326252. K-10840. 'Krest' janskij'. Sakhalin.

326253. K-11122. 'Narymskij 943'. Tomsk region.

326254. AVENA SATIVA var. VOLGENSIS (var.) Nevski

K-10963. 'Polbianoj 13'. Udmurtia.

326255 to 326257. AVENA STERILIS L.

Animated oats.

326255. K-13. A-28. Japan.

326256. K-14. Italy.

326257. K-15. Turkey.

326258 to 326265. BROMUS INERMIS Leyss. Gramineae. Smooth brome.

326258. K-35058. 'Sujdinskij'. Leningrad region.

326259. K-35347. 'Mestnyji'. Pskov region.

326260. K-35366. 'Sverdlovskij 38'. Sverdlovsk region.

326261. K-35367. Wild. Kirov region.

326262. K-34202. Wild. Arkhangelsk region.

326263. K-34203. Wild. Arkhangelsk region.

326264. K-34246. 'Stepnoj'. Kustanaj region.

326265. K-34910. 'Sestroreckij'. Leningrad region.

326266 to 326268. ELYMUS SIBIRICUS L. Gramineae.

Wildrye.

326266. K-27157. 'Amurskij'. Amur region.

326267. K-27868. 'Guran'. Chita region.

326268. K-30766. Wild. Krasnojarsk territory.

326269 and 326270. HORDEUM DISTICHON var. PALMELLA Harlan Gramineae.

326269. K-18094. 'Beta Ketsoras'. Hungary.

326270. K-19094. 'Stavropolskij 7'. Stavropol territory.

326271. HORDEUM JUBATUM L.

Foxtail barley.

K-83W. Germany, Eastern Zone.

326272 to 326276. HORDEUM VULGARE var. PALLIDUM Seringe

Six-rowed barley.

326272. K-16948. 'Krasnodarskij 2929'. Krasnodar territory.

326273. K-17845. 'Sirvandany'. Azerbaijan.

326274. K-18469. 'Odesskij 17'. The Ukraine.

326275. K-19689. 'Odesskij 31'. The Ukraine.

326276. K-19690. 'Odessky rannij'.

326277 to 326281. LUPINUS LUTEUS L. Leguminosae.

European yellow lupine.

326277. K-1531. 'Nosovskij belosemiannyj'. The Ukraine.

326278. K-1636. 'Kormovoj 190'. The Ukraine.

326279. K-1641. 'Borovlianskij'. Bylorussia.

326280. K-1670. 'Kievskij'. The Ukraine.

326281. K-1726. 'Rannspelyj 301'. The Ukraine.

326282. SECALE KUPRIJANOVII Grossh. Gramineae.

K-9586. Krasnodar territory.

326204 to 326319—Continued

326283. *SECALE MONTANUM* Guss. Mountain rye.
K-9598. Stavropol territory.
- 326284 to 326287. *SECALE SEGETALE* (Zhuk.) Roshev.
326284. K-5836. Azerbaijan. 326286. K-9782. Kazarhstan.
326285. K-5867. Azerbaijan. 326287. K-9905. Turkmenistan.
326288. *SECALE SILVESTRE* Host
K-10054. Daghestan.
- 326289 and 326290. *SORGHUM BICOLOR* (L.) Moench Gramineae.
326289. K-814. 'Gaolian voskovidnyj'.
326290. K-1418. 'Gaolian nizkij'.
- 326291 to 326293. *SORGHUM CAFFRORUM* (Retz.) Beauv.
326291. K-127. 'Kaforskoe beloe'. Early.
326292. 'Belozerno UTR-110'.
326293. 'Efremovskoe 2'.
326294. *SORGHUM DOCHNA* var. *TECHNICUM* (Koern.) Snowden Broomcorn.
K-2416. 'Penzenskoje ranneje 97'.
- 326295 and 326296. *SORGHUM DURRA* (Forsk.) Stapf in Prain
326295. K-828. 'Dzugara mestnaja'.
326296. K-2459. 'Dzugara nizkaja 24'. Early.
- 326297 and 326298. *SORGHUM SACCHARATUM* (L.) Moench
326297. K-2414. 'Jantar rannij 161'.
326298. 'Jantar kubanskij 84'.
- 326299 to 326311. *TRITICUM AESTIVUM* L. Gramineae. Common wheat.
326299. K-8547. 'Ukrainka'. The Ukraine. Winter type.
326300. K-21. 'Eritrospermum 841'. Saratov region. Spring type.
326301. K-38238. 'Alabasskaja'. Kazakhstan. Winter type.
326302. K-38535. 'Lutescens 758'. Saratov region. Spring type.
326303. K-39350. 'Sortandinka'. Kazakhstan. Spring type.
326304. K-40208. 'Dalnevostoenaaja'. Primorsk Province. Spring type.
326305. K-40599. 'Saratovskaja 29'. Saratov region. Spring type.
326306. K-40651. 'Skorospelka 3'. Krasnodar territory. Winter type.
326307. K-41173. 'Skala'. Irkutsk region. Spring type.
326308. K-42549. China. Winter type.
326309. K-42790. 'Bezostaja 1'. Krasnodar territory. Winter type.
326310. K-43920. 'Mironovskaja 808'. The Ukraine. Winter type.
326311. K-45156. 'Celinogradka'. Kazakhstan. Spring type.
326312. *TRITICUM DICOCCUM* var. *FARRUM* Bayle ex Flaksb.
K-43843. Georgia. Spring type.
- 326313 and 326314. *TRITICUM DURUM* Desf. Durum wheat.
326313. K-28310. 'Sarrubra'. Saratov region. Spring type.
326314. K-43287. 'Micurinka'. Odessa region. Winter type.

326204 to 326319—Continued**326315. TRITICUM DURUM** Desf.

K-29525. 'Arandany'. Azerbaijan. Semiwinter type.

326316. TRITICUM DURUM var. **LEUCURUM** (Alef.) Stolet.

K-38270. 'Sark'. Azerbaijan. Spring type.

326317. TRITICUM MONOCOCCUM L.

K-18140. Azerbaijan. Spring type.

326318. TRITICUM TIMOPHEEVII (Zhukov.) Zhukovsky

K-29538. Georgia. Spring type.

326319. TRITICUM VAVILOVII (Tum.) Jakub. ex Zhuk.

K-29533. Armenia. Winter type.

326320. CUCURBITA MAXIMA Duchesne Cucurbitaceae. **Squash.**

From the United States. Seeds presented by Mrs. J. E. Winfield, Painted Post, New York; originally from R. B. Thomas, Glendale, Calif. Numbered Mar. 14, 1968.

'White African'. Vine trailing; fruit white, 10 to 20 pounds. Good table quality; good winter keeper.

326321. BROMUS INERMIS Leyss. Gramineae. **Smooth brome.**

From Canada. Seeds presented by J. Drew Smith, Research Station, Canada Department of Agriculture, Saskatoon, Saskatchewan. Numbered Mar. 14, 1968.

S-7269. Synthetic from plants selected for resistance to *Pyrenophora bromi*. Intermediate north/south type.

326322 and 326323. PRUNUS CERASIFERA Ehrh. Rosaceae.

From Institute di Frutticoltura, Ciampino Ovest (Fiorano), Rome, Italy. Received Mar. 15, 1968.

326322. 10-Rusticano. From Calderoni.**326323.** 10-Rusticano. From Ansaloni.**326324 and 326325.**

From the Union of Soviet Socialist Republics. Seeds collected by Willis H. Skrdla, Crops Research Division, Regional Plant Introduction Station, Ames, Iowa. Numbered Mar. 18, 1968.

326324. CORONILLA VARIA L. Leguminosae.**Crownvetch.**

Col. No. S-359. Stavropol region. Northeast of Teberda in mountains.

326325. FESTUCA VARIA Haenke Gramineae.**Fescue.**

Col. No. 198. Stavropol region. Above Teberda village on top of Mt. Hatipara, north slope, open meadow. Elevation 1,830 m. Seed from single plant.

326326 and 326327. HORDEUM DISTICHON L. Gramineae.**Two-rowed barley.**

From Germany. Seeds presented by E. Rehse, Heine-Peragis Getreidezucht, Einbeck. Numbered Mar. 18, 1968.

326326. 'Fitis'.**326327.** 'Ortolan'.

326328 to 326334. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From Rhodesia. Seeds presented by Agricultural Research Station, Causeway, Salisbury. Numbered Mar. 18, 1968.

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| 326328. 'Bubi'. | 326332. 'Shashi'. |
| 326329. 'Devuli'. | 326333. 'Tuli'. |
| 326330. 'Hondi'. | 326334. 'Umwinsi'. |
| 326331. 'Khami'. | |

326335 to 326337. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From Colombia. Seeds presented by Mario Zapata B., Instituto Colombiano Agropecuario, Bogota. Numbered Mar. 18, 1968.

326335. ICA Samaca-68. Bza x (Af-My)2. II-13022-9b-1t-2b-1t. Spike white, awned; grain hard red.
326336. ICA Sugamuxi-68. Fn-K.58/N x Bza2. II-12193-7b-1t-2b. Spike white, awnless; grain soft red.
326337. ICA Zipa-68. Fn-y(Af-My)2. II-12924-20b-2b-1t. Spike brown awned; grain hard red.

326338 to 326340.

From Japan. Plants purchased from K. Wada, Hakoneya Nurseries, Yokohama. Numbered Mar. 18, 1968.

- 326338 and 326339. *PIERIS JAPONICA* (Thunb.) G. Don **Ericaceae.**
Japanese pieris.
326338. 'Christmas Cheer'. Flowers deep rose, early.
326339. 'Daisen'. Flowers deep pink.
326340. *PIERIS* sp.
'Purity'.

326341 and 326342. COIX LACRYMA-JOBI L. Gramineae.**Jobs-tears.**

From Brazil. Seeds presented by B. V. Skvortzov, Secretaria da Agricultura, Instituto de Botanica, Sao Paulo. Numbered Mar. 18, 1968.

326341. No. 1. Origin Hong Kong.
326342. No. 2. Origin Tokyo. Leaves narrow, flowers early.

326343 and 326344. RICINUS COMMUNIS L. Euphorbiaceae.**Castorbean.**

From Paraguay. Seeds presented by John R. Peters, Fernheim Experimental Farm, Filadelfia. Numbered Mar. 18, 1968.

326343. 'Chaco Common'. Varietv. To 120 cm. high. Yield little higher than Hale or Lynn.
326344. 'Chaco Spineless'. Selection for spinelessness. Tallest and highest yield of 15 varieties; to 135 cm. high; 300 kg./ha.

326345 to 326354. PHASEOLUS VULGARIS L. Leguminosae.**Common bean.**

From the United States. Seeds grown at United States Plant Introduction Station, Pullman, Wash. Numbered Mar. 18, 1968.

326345. Selection from P.I. 136722. Origin Canada.
326346. Selection from P.I. 150404. Origin El Salvador.

326345 to 326354—Continued

326347. Selection from P.I. 195373. Origin Guatemala.
 326348. Selection from P.I. 201349. Origin Mexico.
 326349. Selection from P.I. 204715. Origin Turkey.
 326350. Selection from P.I. 204715. Origin Turkey.
 326351. Selection from P.I. 204716. Origin Turkey.
 326352. Selection from P.I. 204716. Origin Turkey.
 326353. Selection from P.I. 204720. Origin Turkey.
 326354. Selection from P.I. 209462. Origin Mexico.

326355. COFFEA MAURITIANA Lam. Rubiaceae.

From the United States. Plants grown at United States Plant Introduction Station, Glenn Dale, Md. Original seed obtained from Office National des Forets, Direction Regionale de la Reunion, Saint Denis. Numbered Mar. 19, 1968.

326356 to 326397.

From the Union of Soviet Socialist Republics. Seeds collected by Nikita Botanic Garden, Yalta, Crimea. Numbered Mar. 19, 1968.

326356. *AGROPYRON PECTINIFORME* Roem & Schult. Gramineae.
 No. 318.
 326357. *ALOPECURUS MYOSUROIDES* Huds. Gramineae.
 No. 324.
 326358. *ANDROPOGON ISCHAEMUM* L. Gramineae. Beardgrass.
 No. 327.
 326359. *ARRHENATHERUM ELATIUS* (L.) Presl. Gramineae. Tall oatgrass.
 No. 328.
 326360. *ASTRAGALUS GLYCYPHYLLUS* L. Leguminosae.
 No. 481.
 326361. *ASTRAGALUS PONTICUS* Pall.
 No. 484.
 326362. *BRASSICA SINAPISTRUM* Boiss. Cruciferae.
 No. 256.
 326363. *BROMUS RIPARIUS* Rehm. Gramineae.
 No. 340.
 326364. *CARTHAMUS LANATUS* L. Compositae.
 No. 114
 326365. *CORNUS ALBA* L. Cornaceae. Tatarian dogwood.
 No. 1062.
 326366. *CORONILLA CORONATA* L. Leguminosae.
 No. 490.
 326367. *CORONILLA EMEROIDES* Boiss. et Sprun.
 No. 491.
 326368. *CORONILLA SCORPIOIDES* (L.) Koch
 No. 492.

326356 to 326397—Continued

326369. CORONILLA VARIA L. Crownvetch.
 No. 493.
326370. CRAMBE KOKTEBELICA N. Busch Cruciferae.
 No. 226.
326371. CRAMBE PONTICA Stev. ex Rupr.
 No. 227.
326372. CYNODON DACTYLON (L.) Pers. Gramineae. Bermudagrass.
 No. 345.
326373. DACTYLIS GLOMERATA L. Gramineae. Orchardgrass.
 No. 347.
326374. DIANTHUS ARMERIA L. Caryophyllaceae.
 No. 58.
326375. DIANTHUS CAPITATUS DC.
 No. 359.
326376. DIANTHUS MARSHALLII Schischk.
 No. 60.
326377. DIOSPYROS KAKI × D. LOTUS Ebenaceae. Persimmon.
 No. 1090.
326378. FESTUCA SULCATA (Hack.) Beck Gramineae.
 No. 360.
326379. LACTUCA SERRIOLA L. Compositae.
 No. 149.
326380. LACTUCA TUBEROSA Jacq.
 No. 150.
326381. LACTUCA VIMINEA (L.) J. et C. Presl.
 No. 151.
326382. LATHYRUS APHACA L. Leguminosae.
326383. LATHYRUS HIRSUTUS L. Rough peavine.
 No. 505.
326384. LATHYRUS NISSOLIA L.
 No. 508.
326385. LATHYRUS ROTUNDIFOLIUS Willd.
 No. 511.
326386. LATHYRUS TUBEROSUS L.
 No. 513.
326387. MALUS SYLVESTRIS Mill. Rosaceae. Apple.
 No. 716.
326388. ~~MEDICAGO SATIVIS M. B.~~ *M. falcata L. (Sum. 37)* Leguminosae.
 No. 525.
326389. MESPILUS GERMANICA L. Rosaceae. Medlar.
 No. 717.

326356 to 326397—Continued**326390.** ONOSMA TAURICUM Pall. Boraginaceae.

No. 41.

326391. PYRUS ELAEAGRIFOLIA Pall. Rosaceae.

No. 729.

326392. SIDERITIS TAURICA Steph. ex Willd. Labiatae.

No. 463.

326393. SORBUS TORMINALIS (L.) Crantz Rosaceae. Mountain ash.

No. 735.

326394. TRIGONELLA CRETICA (L.) Boiss. Leguminosae.

No. 557.

326395. TRIGONELLA GLADIATA Stev. ex Fischer

No. 558.

326396. TRIGONELLA MONSPELIACA L.

No. 559.

326397. VIBURNUM TINUS L. Caprifoliaceae. Laurustinus.

No. 1001.

326398. VITIS (hybrid). Vitaceae.

From Switzerland. Cuttings presented by the Station Federale d'Essais Agricoles, Nyon. Received Mar. 19, 1968.

G-1.

326399 to 326416.

From Austria. Seeds presented by R. Hron, Bundesanstalt für Pflanzenbau und Samenprüfung, Wien. Numbered Mar. 20, 1968.

326399 to 326402. HORDEUM DISTICHON L. Gramineae. Two-rowed barley. Spring type.**326399.** 'Perfekta'.**326401.** 'Probstdorfer Sola'.**326400.** 'Probstdorfer Eura II'.**326402.** 'Quantum'.**326403 and 326404.** HORDEUM VULGARE L.

Winter type.

326403. 'Korona'.**326404.** 'Probstdorfer Vierzeilige'.**326405 to 326407.** SECALE CEREALE L. Gramineae. Rye.

Winter type.

326405. 'Edelhofer Neu'.**326406.** 'Schlagler Neu'.**326407.** 'Universal Neu'.**326408 to 326416.** TRITICUM AESTIVUM L. Gramineae. Common wheat.

Spring type.

326408. 'Kalif'.**326409.** 'Loosdorfer Somnerweizen'.**326410.** 'Rubin'.

Winter type.

326411. 'Bartl'.**326412.** 'Favorit'.

326399 to 326416—Continued**326408 to 326416—Continued**

326413. 'Loosdorfer Winterweizen'. 326415. 'Probstdorfer Extrem'.
 326414. 'Multiweib'. 326416. 'Probstdorfer Geber'.

326417 to 326421. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

From the Netherlands. Seeds presented by Institute for Horticultural Plant Breeding, Wageningen. Received Mar. 20, 1968.

326417. 'Cordon'. Resistant to anthracnose.
 326418. 'Cornell 49-242'. Resistant to anthracnose.
 326419. 'Flits'. Resistant to anthracnose.
 326420. 'Imuna'. Resistant to anthracnose.
 326421. 'Widusa'. Resistant to anthracnose.

326422. PISUM SATIVUM L. Leguminosae. Pea.

From the Netherlands. Seeds presented by Sluis Brothers, Enkhuizen. Received Mar. 20, 1968.

'Non Plus Ultra'.

326423. IRIS sp. Iridaceae.

From Syria. Seeds collected by A. L. Richardson, Department of Plant and Soil Science, Montana State University, Bozeman, Montana. Received Mar. 20, 1968.

Northern Syria. Arid mountain slopes near Aleppo. Bulbous perennial, to 15 cm. high. Flowers light blue, last one day only.

326424 and 326425.

From Japan. Scions presented by Y. Tachibana, Botanical Garden of Osaka, City University, Katano-Cho-Kitakawachigun, Osaka Prefecture. Received Mar. 20, 1968.

326424. LAGERSTROEMIA FAURIEI Koehne Lythraceae.

Near Onoma, Yakushima Island, Kagoshima Prefecture. Elevation 350 feet.

326425. LAGERSTROEMIA SUBCOSTATA Koehne Crapemyrtle.

Botanical Garden of Kagoshima University. Collected from Yakushima Island. Elevation 2,000 feet. Hardy.

326426 and 326427. LAGERSTROEMIA INDICA L. Common crapemyrtle.

From the United States. Plants bred by Donald R. Egolf, United States National Arboretum, Washington, D.C. Numbered Mar. 20, 1968.

326426. N.A. 30166. 'Seminole'. *L. indica* (hardy pink) x *L. indica* 'Low Flame'. Compact, medium growth; foliage heavy, glossy; inflorescence large, globose, clear pink, abundant. Mildew resistant.

326427. N.A. 30167. 'Cherokee'. *L. indica* (hardy red) x *L. indica* 'Low Flame'. Compact, medium growth; foliage heavy, glossy; inflorescence large, pyramidal, brilliant red, abundant. Mildew resistant.

326428 to 326430. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From the United States. Seeds grown at Regional Plant Introduction Station, Iowa State University, Ames, Iowa. Numbered Mar. 21, 1968.

326428 to 326430—Continued

- 326428.** Col. No. A-692. 'Spartanburg Climbing'. From Northeastern Regional Station, Geneva, N.Y. Originally from Spartanburg, S. C. Vine indeterminate, large, late maturity; potato leaf. Fruit oblate; flesh red; skin colorless; medium fasciated; 6 to 9 cm. diameter; radial cracking, medium concentric, light set.
- 326429.** Col. No. A-1026. 'Juzonin 1644'. From L. H. Lyall, Canada Agricultural Research Station, Ottawa. Origin Soviet Union. Vine medium large, late maturity. Fruit globe, smooth, medium concentric flesh red; skin yellow; 5 to 6 cm. diameter; radial cracking.
- 326430.** Col. No. A-1125. 'The Fruit'. From Cheyenne Horticultural Field Station, Wyo. Vine indeterminate, medium small, medium late maturity. Fruit small, medium set, globe, 6 to 8 cm. diameter; flesh red; skin colorless; no fasciation, medium concentric cracks, medium severe radial cracks.

326431 to 326448.

From India. Plants purchased from Twin Brothers Nurseries, Eighth Mile Post, Kalimpong, District Darjeeling. Numbered Mar. 21, 1968.

- 326431.** *AERIDES LAWRENCIAE* Reichenb. f. Orchidaceae.
- 326432.** *CIRRHOPETALUM CORNUTUM* Lindl. Orchidaceae.
- 326433.** *CIRRHOPETALUM GUTTULATUM* Hook. f.
- 326434.** *CIRRHOPETALUM ORNATISSIMUM* Reichb. f.
- 326435.** *CYPRIPEDIUM SPICERIANUM* Reicb. f. Orchidaceae.
- 326436.** *CYPRIPEDIUM VENUSTUM* Wall. ex Sims
- 326437.** *DENDROBIUM FORMOSUM* Roxbg. Orchidaceae.
- 326438.** *DENDROBIUM FORMOSUM* var. *GIGANTEUM* Hort.
- 326439.** *DENDROBIUM NOBILE* Lindl.
- 326440.** *DENDROBIUM PARISHII* Reichb. f.
- 326441 and 326442.** *DENDROBIUM PRIMULINUM* Lindl.
- 326441.** No data.
- 326442.** 'Gigas'.
- 326443.** *DENDROBIUM TRANSPARENS* Wall.
- 326444.** *COELOGYNE HOOKERIANA* Lindl. Orchidaceae.
- 326445.** *PLEIONE HUMILIS* D. Don
- 326446.** *PLEIONE MACULATA* Lindl. & Paxt.
- 326447.** *PLEIONE PRAECOX* (Sm.) D. Don
- 326448.** *SACCOLABIUM AMPULLACEUM* Lindl. Orchidaceae.

326449 to 326480. ORYZA GLABERRIMA Steud. Gramineae.

From Senegal. Seeds presented by Institut de Recherches Agronomique Tropical, Bambey. Received Mar. 21, 1968.

- 326449.** No. I. Maturity 102 days.
- 326450.** No. I. Maturity 101 days.
- 326451.** No. II. Maturity 92 days.
- 326452.** No. II. Maturity 91 days.
- 326453.** No. III. Maturity 92 days.
- 326454.** No. III. Maturity 92 days.
- 326455.** No. IV. Maturity 97 days.

326449 to 326480—Continued

- 326456. No. IV. Maturity 97 days.
- 326457. No. V. Maturity 104 days.
- 326458. No. V. Maturity 104 days.
- 326459. No. VI. Maturity 104 days.
- 326460. No. VI. Maturity 104 days.
- 326461. No. VII. Maturity 93 days.
- 326462. No. VII. Maturity 94 days.
- 326463. No. VII. Maturity 100 days.
- 326464. No. VIII. Maturity 90 days.
- 326465. No. IX. Maturity 94 days.
- 326466. No. IX. Maturity 94 days.
- 326467. No. X. Maturity 92 days.
- 326468. No. X. Maturity 92 days.
- 326469. No. XI. Maturity 94 days.
- 326470. No. XI. Maturity 94 days.
- 326471. No. XII. Maturity 92 days.
- 326472. No. XII. Maturity 92 days.
- 326473. No. XIII. Maturity 93 days.
- 326474. No. XIII. Maturity 94 days.
- 326475. No. XIV. Maturity 94 days.
- 326476. No. XIV. Maturity 94 days.
- 326477. No. XV. Maturity 84 days.
- 326478. No. XV. Maturity 84 days.
- 326479. XVI. Maturity 94 days.
- 326480. XVI. Maturity 94 days.

**326481 to 326487. LEUCAENA LEUCOCEPHALA (Lam.) de Wit Le-
guminosae. Leadtree.**

From Guatemala. Seeds presented by Milton Lau, United States Agency for International Development Mission to Guatemala, Guatemala City. Received Mar. 21, 1968.

- 326481. No. 1. Km. 39 Carretera al Atlantico.
- 326482. No. 2. Km. 25 Carretera al Atlantico.
- 326483. No. 3. Km. 39 Carretera al Atlantico.
- 326484. No. 4. Km. 80 Carretera al Atlantico.
- 326485. No. 5. Km. 71 Carretera al Atlantico.
- 326486. No. 6. Pasabien, Zacapa. Km. 2 de la Carretera al Atlantico.
- 326487. No. 7. Carretera a Coban, Km. 10 del Rancho.

326488 to 326511.

From Colombia. Plants and seeds collected by D. H. Timothy, Department of Crop Science, North Carolina State University, Raleigh, North Carolina. Received Mar. 21, 1968.

326488 to 326511—Continued

326488 to 326497. TRIPSACUM AUSTRALE Cutler & E. Anders. Gramineae.

326488. Col. No. 273. 'Masiega'. Boyaca, Km. 10, south of Sogamoso on road Agua Azul to Yopal. On bank of creek Cano Blanco. To 5 m. high. Small population of seven plants. Plants.

326489. Col. No. 274. 'Masiega'. Boyaca, Km. 12, on road Agua Azul to Yopal. Along creek Cano Iquamena. Plants.

326490. Col. No. 275. 'Masiega'. Boyaca, Km. 3, on road from Agua Azul to Pajarito. On creek bank. Plants.

326491. Col. No. 283. Meta. Km. 50, Expressway La Libertad to Puerto Lopez. Hacienda Siberia. In association with palm, *Cecropis*; deciduous short trees. Elevation 250 m. Plants.

326492. Col. No. 284. Meta, km. 1.5 east of Rio Negrito to Puerto Lopez from Villavicencio. Margin of secondary deciduous forest, *Curatella*, etc., near canefield. Small population. Plants.

326493. Col. No. 285. Meta, 15 km. south of San Juan near Los Micos. Edge of woods near forest preserve, northwest of Los Macarenas. Plants.

326494. Col. No. 286. Meta. Hacienda El Turpial de la Macarena, along Rio Guejar toward northwest end of Las Macarenas, edge of clearing at top of river bank. Plants.

326495. Col. No. 287. Meta. Hacienda El Turpial de la Macarena. River bank top in partial shade, Rio Guejar about ½ mile in front of gravel pit at road end on west slope of Las Macarenas. Plants.

326496. Col. No. 289. Meta. Km. 10, San Martin to Villavicencio. Forty yards from canefield along road. Large population. Plants.

326497. Col. No. 290. Meta. Km. 12, San Martin to Villavicencio. Along road in canefields. Plants.

326498. TRIPSACUM sp.

Col. No. 271. Boyaca, Km. 3, Agua Azul to Pajarito. Along road bank. Colony of 3 to 5 plants. Plants.

326499. TRIPSACUM sp.

Col. No. 276. Boyaca, Km. 7, Soata to Tibacoque. In soil pockets on boulder slide. Rio Chicamocha valley. Elevation 1,000 m. Very dry. Plants.

326500. TRIPSACUM sp.

Col. No. 277. Santander. Km. 5, Malaga to Capitanejo on steep road bank. Soil sandy with rock and gravel. Plants.

326501. TRIPSACUM sp.

Col. No. 278. 'Cortadera'. Santander. Km. 7, San Andres to Malaga. Steep rocky wall of valley. Plants.

326502. TRIPSACUM sp.

Col. No. 279. 'Cortadera'. Santander. Steep slope by bridge of Rio Iguara between Malaga and San Andres. Plants.

326503. TRIPSACUM sp.

Col. No. 280. Santander, Km. 2, Los Curos to El Tope. Steep slope of canyon. Plants.

326504. TRIPSACUM sp.

Col. No. 281. Santander, Km. 2, Los Curos to El Tope. Steep slope of canyon. Plants.

326488 to 326511—Continued

326505. TRIPSACUM sp.

Col. No. 282. Santander, Km. 1, Los Curos to San Gil. Rio Manco valley. Large population. Plants.

326506. ARACHIS HYPOGAEA L. Leguminosae.

Col. No. 288. Meta, Conaguaro. South of San Martin. Origin unknown. Seeds.

326507. GOSSYPIUM sp. Malvaceae.

Col. No. 266. Caldas. Along road Manizales to Anserma. Dooryard. Seeds.

326508. GOSSYPIUM sp.

Col. No. 272. Boyaca. Near Agua Azul, along road to Pajarito, south of Sogamoso. Seeds.

326509. TRIPSACUM AUSTRALE Cutler & E. Anders. Gramineae.

* Col. No. 287. Meta. Hacienda El Turpial de la Macarena. Riverbank top in partial shade, Rio Guejar about ½ mile in front of gravel pit at road end on west slope of Las Macarenas. Seeds.

326510. TRIPSACUM sp.

Col. No. 278. 'Cortadera'. Santander, Km. 7, San Andres to Malaga. Steep rocky wall of valley. Seeds.

326511. TRIPSACUM sp.

Col. No. 280. Santander, Km. 2, Los Curos to El Tope. Steep slope of moist canyon. Seeds.

326512 to 326535.

From Ghana. Seeds collected by Dr. Marjorie G. Whiting, United States Department of Agriculture, Economic Research Service, Washington, D. C. Received Mar. 22, 1968.

326512. ANACARDIUM OCCIDENTALE L. Anacardiaceae.

Purchased near Malindi, Kenya.

326513. ARGYREIA sp. Convolvulaceae.

Used as snake venom antidote.

326514. CEIBA sp. Bombacaceae.

326515. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.

Citrullus lanatus (Lour.) Watermelon.

326516. CUCUMEROPSIS sp. Cucurbitaceae.

326517. CYPERUS ESCULENTUS L. Cyperaceae.

Chufa.

326518. ELAEIS GUINEENSIS Jacq. Palmae.

African oil palm.

326519. PARKIA FILICOIDEA Welw. ex Oliver Leguminosae.

326520 to 326522. PENNISETUM SPICATUM (L.) Willd. Gramineae.

Pearl millet.

326520. No. 1.

326521. No. 2.

326522. No. 3.

326523. PHASEOLUS LUNATUS L. Leguminosae.

Lima bean.

326524. RICINODENDRON RAUTANENII Schinz Euphorbiaceae.

Kalahari, Botswana, Dobe area.

326525 to 326528. SORGHUM BICOLOR (L.) Moench Gramineae.

326512 to 326535—Continued

326525 to 326528—Continued

326525. No. 1.

326527. No. 3.

326526. No. 2.

326528. No. 4.

326529. *VIGNA SINENSIS* (Torner) Savi Leguminosae. Common cowpea.326530 to 326532. *VOANDZEIA SUBTERRANEA* (L.) Thouars. Leguminosae.

326530. No. 1.

326531. No. 2.

326532. No. 3.

326533 to 326535. *ZEA MAYS* L. Gramineae.

Corn.

326533. Samp. From Botswana.

326534. White corn. From Botswana.

326535. Yellow corn. From Botswana.

326536. *VITIS* (hybrid). Vitaceae.

From Germany. Cuttings presented by the Bundesforschungsanstalt Fur Rebenzuchtung Geilweilerhof, Ober Landau/Pfalz. Received Mar. 27, 1968.

F.S. 4-201-39. 'Moselriesling' × Vi 5861 (F, *V. vinifera* 'Gamay' × *V. riparia*).

326537 to 326541.

From Colombia. Seeds collected by D. H. Timothy, Department of Crop Science, North Carolina State University, Raleigh, North Carolina. Numbered Mar. 27, 1968.

326537. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit Leguminosae.

Leadtree.

Col. No. 267. Antioquia. Along boulevard entering Medellin from south. (Caldas). Planted along river.

326538. *TRIPSACUM* sp. Gramineae.

Col. No. 261. Gramalote. Cundinamarca, between Villeta and Sasaima, 1 km. below Rio Dulce bridge, edge of canefield, high bank of road. Elevation 1,200 m.

326539. *TRIPSACUM* sp.

Col. No. 270. Cundinamarca. Km. 4 Viota to Tocaima. Rancho Tomarindo. Escape from cultivation on steep rocky hillside woodcut. Elevation 600 m.

326540. *TRIPSACUM* sp.

Col. No. 291. Santander Norte. Km. 2, Santiago to Gramalote. Slate hillside beside "Balastrera".

326541. *TRIPSACUM* sp.

Col. No. 295. Santander Norte. Km. 4, Dona Juana to Durania. Slate hillside by road.

326542 and 326543.

From Taiwan. Seeds and cuttings presented by the National Taiwan University, Taiwan. Received Mar. 28, 1968.

326542. *AUCUBA CHINENSIS* Benth. Cornaceae.

Collected by M. T. Kao in forests at Len-hua-chu, Nantou Hsien. (Seeds).

326542 and 326543—Continued

326543. *BUXUS MICROPHYLLA* var. *INTERMEDIA* (Kanehira) Li Buxaceae.

Collected by M. T. Kao, in garden at the University campus, Taipei. (Cuttings).

326544. *VITIS VINIFERA* L. Vitaceae. **European grape.**

From Japan. Cuttings presented by Koju Kikkawa, Nippon Soda Company, Ltd., Chiyoda-ku, Tokyo. Received Mar. 28, 1968.

'Kyoho'.

326545. *MORUS NIGRA* L. Moraceae. **Acid mulberry.**

From India. Cuttings presented by Fred Smetacek, The Retreat, Bhimtal, District Nainital, U.P. Received Apr. 4, 1968.

326546 to 326549.

From Yugoslavia. Seeds obtained from Vinko Sadar, Biotehniska Fakulteta, Ljubljana, under PL 480 Project E30-CR-2. Numbered Apr. 8, 1968.

326546. *CALAMINTHA CLINOPODIUM* Benth. Labiatae.

Yu 45712. Perennial herb from creeping rhizomes; stems 3 to 8 dm. high, erect; branches simple; flowers in whorls. Common in England, southern Europe, central and western Asia, Siberia, and northern Africa. Summer.

326547. *CENTAUREA GLABERRIMA* Tausch Compositae.

Yu 45186. Annual or perennial herb, thistlelike. Yugoslavia. Summer.

326548. *ECHIU M ITALICUM* L. Boraginaceae.

Yu 45701. Biennial herb, coarse, 3 to 8 dm. high; flowers in loose racemes. Europe and Mediterranean region. Summer.

326549. *PORTENSCHLAGIA RAMOSISSIMA* Vis. Umbelliferae.

Yu 45166. Perennial herb, tall; umbels compound, branches many, rays many. Cultivated as ornamental, hardy; propagated by seeds or division. Southern Europe. Summer.

326550 to 326556.

From Turkey. Seeds obtained from Osman Tosun, Ziraat Fakultesi, Ankara, under P.L. 480 Project A22-CR-1. Numbered Apr. 8, 1968.

326550. *CEPHALARIA* sp. Dipsacaceae.

Tu 46047. Annual, 8 to 10 dm. high; stem erect. Turkey. Summer.

326551. *CREPIS ALPINA* L. Compositae.

Tu 46783. Annual, 3 to 8 dm. high. Waste places in mountains. Turkey, Syria, Israel, Mediterranean region. Spring.

326552. *CREPIS ASPERA* L.

Tu 46855. Annual, 0.5 to 1 m. high; stem erect, rough with stiff bristles, broadly forked, many headed. Mediterranean region. Spring.

326553. *ECHIU M VULGARE* Linn. Boraginaceae.

Tu 46002. Biennial, to 1 m. high, bristly-hairy; flowers many on short, one-sided racemes, forming narrow thyrse. Cultivated as ornamental. Europe. Summer.

326554 and 326555. *EUPHORBIA TINCTORIA* Boiss. et Huet ex Boiss Euphorbiaceae.

326554. Tu 46797. Erect, many stems, 3 to 5 dm.

326555. Tu 46798. Erect, many stems, 3 to 5 dm.

326550 to 326556—Continued

326556. LAPPULA BARBATA (Lehm.) Guerke. Boraginaceae.

Tu 46142. Annual or biennial herb, 3 to 5 dm. high; stems many; paniculate above; racemes becoming much elongated. Mountain regions. Israel, Turkey. Summer.

326557. ROCHELIA STYLARIS Boiss. Boraginaceae.

From Pakistan. Seeds presented by E. Nasir, Gordon College, Rawalpindi, under P.L. 480 Project A17-CR-5. Numbered Apr. 8, 1968.

Pa 47214. Annual, erect, paniculately branched; racemes one-sided, lax. Dry desert places, from plains to 8,000 feet elevation. Spring.

326558 to 326560.

From Spain. Seeds obtained from Instituto Nacional de Investigaciones Agronomicas, Plantas Forrajeras y Pratenses, Madrid, under P.L. 480 Project E25-CR-11. Numbered Apr. 8, 1968.

326558. CARLINA CORYMBOSA L. Compositae.

Sp. 44861. Annual, thistlelike, to 1 m. high; stems simple or corymbosely branched. Dry hills. Mediterranean region. Summer.

326559. EUPHORBIA NUTANS Lag. Euphorbiaceae.

Sp 45831. Annual herb, erect, to 9 dm. high; mostly branched; cyathia solitary or clustered. Weed widespread in United States. Summer.

326560. PICRIS COMOSA (Boiss.) Benth. & Hook. f. Compositae.

Sp 47246. Perennial herb, robust. Mediterranean region. Spring and summer.

326561 and 326562.

From Uruguay. Seeds obtained from Facultad de Agronomia, Laboratorio de Botanica, Montevideo, under P.L. 480 Project A9-CR-3. Numbered Apr. 8, 1968.

326561. EUPHORBIA HIRTELLA Boiss. Euphorbiaceae.

Ur 44752. Annual herb, erect, to 6 dm. high; good seeder but shattering at maturity. Summer.

326562. STENACHAENIUM MACROCEPHALUM (DC.) Benth ex Benth. & Hook. Compositae.

Ur 47294. Annual, erect, to 1.2 m. high; heads in terminal cymes; good seeder.

326563. CHRISTOLEA CRASSIFOLIA Cambess. Cruciferae.

From India. Seeds obtained from Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi, under P.L. 480 Project A7-CR-148. Numbered Apr. 8, 1968.

In 47433. Perennial herb; branches many; stems ascending, prolific seeder. Western Tibet. Elevation 4,100 m. Spring and summer.

326564. MOSLA PUNCTULATA Nakai Labiatae.

From Korea. Seeds obtained from Tchang Bok Lee, College of Agriculture, Seoul National University, Suwon, under P.L. 480 Project A13-CR-1. Numbered Apr. 8, 1968.

Ko 45861. Annual herb, erect, to 6 dm. high; flowers in dense elongate spikes. Grassy slopes in lowlands and hills. China, Korea, Manchuria, Formosa, Japan and Ryukyus. September and October.

326565. EUPHORBIA HETEROPHYLLA L. Euphorbiaceae.

From the United States. Seeds grown at Regional Plant Introduction Station, Ames, Iowa. Numbered Apr. 8, 1968.

NU 50421. Annual herb, erect, to 1 m. high; cyathia in terminal cymes. Cultivated as ornamental. Damp, sandy soil. Florida to Texas, north to Virginia, Indiana, Wisconsin and South Dakota. August and September.

326566. MONARDA FISTULOSA L. Labiatae. Wildbergamot.

From the United States. Seeds collected in 1960 by Robert E. Perdue, Jr., Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Apr. 8, 1968.

Col. No. 4047. Along Highway 68, south of Golden, Colo. Open and partly shaded slopes. Perennial, to 18 inches high.

326567. MONARDA PUNCTATA L. Labiatae. Spotted beebalm.

From the United States. Seeds collected in 1960 by Arthur S. Barclay, Corps Research Division, Plant Industry Station, Beltsville, Md. Numbered Apr. 8, 1968.

Col. No. 851. Near University of Oklahoma Biological Station. Marshall County, Okla. Perennial herb; branches erect; bracts greenish white; flowers light yellow with brownish-red dots. Growing in weedy field, soil sandy.

326568. MALOPE TRIFIDA Cav. Malvaceae.

From the United States. Seeds received in 1960 by Quentin Jones, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Apr. 8, 1968.

NU 40837. Annual, to 1 m. high; flowers solitary, axillary, stalked; carpels numerous and congested into a head. Cultivated as ornamental. Spain, North Africa.

326569. CRAMBE ABYSSINICA Hochst. ex R. E. Fries Cruciferae.

From Ethiopia. Seeds collected by B. M. Leese, Crops Research Division, United States Department of Agriculture, Beltsville, Md. Received Apr. 11, 1968.

Col. No. 713-B. Agriculture College, Jimma. Local variety.

326570 to 326577. MAGNOLIA (hybrids) Magnoliaceae.

From the United States. Plants bred at United States National Arboretum, Washington, D. C. Received Apr. 1968.

(*M. liliiflora* 'Nigra' × *M. stellata* 'Rosea'). Shrubs multistemmed, erect, 6 to 10 feet high, deciduous. Flower characters variable. Selected for late flowering to avoid frost. Easily propagated from soft wood cuttings.

326570. N.A. 28344. 'Ann'. Flower erect, 2 to 4 inches diameter, 6 to 8 broad tepals, inside purple, outside bright red purple. Earliest of this series.

326571. N.A. 28345. 'Judy'. Flower 2 to 3 inches diameter, 10 tepals, inside creamy white, outside red purple. Slowest growing of this cross. Second earliest flowering group.

326572. N.A. 28346. 'Randy'. Flower 3.5 to 5 inches diameter, 9 to 11 tepals, stellate, inside white, outside red purple. Extremely floriferous. Middle flowering group.

326573. N.A. 28347. 'Ricki'. Flower 4 to 6 inches diameter, 10 to 15 contorted tepals, inside white or purple stained, outside red purple. Middle flowering group.

326574. N.A. 28348. 'Betty'. Flower to 8 inches diameter, 12 to 18 tepals, inside white, outside grey purple at base to red purple at tip. Second earliest flowering group.

326570 to 326577—Continued

326575. N.A. 28350. 'Susan'. Flower 4 to 6 inches diameter, usually 6 tepals, twisted, inside stained red purple, outside varying shades of red purple. Second earliest flowering group.

326576. N.A. 28349. 'Jane'. (*M.* hybrid 'Reflorescens' × *M. stellata* 'Waterlily'). Flower cup shaped, 3.5 to 4 inches diameter, 8 to 10 tepals, inside white, outside red purple at base, lighter at tip. Mid-late flowering group.

326577. N.A. 28351. 'Pinkie'. (*M.* hybrid 'Reflorescens' × *M. stellata* 'Rosea'). Flower cup shaped, 5 to 7 inches diameter, 9 to 12 broad tepals, inside white, outside pale red purple fading to pink. Latest flowering of this series.

326578 to 326582.

From the Union of Soviet Socialist Republics. Seeds presented by All-Union Institute of Plant Industry, Leningrad through Department of Agricultural Botany, University of Reading, Reading, England. Received Apr. 12, 1968.

326578 to 326580. GLYCINE MAX (L.) Merr. Leguminosae. Soybean.

326578. K-5363. Originally from China. Seeds dull brown.

326579. K-5776. Originally from Rumania. Seeds shiny black.

326580. K-5683. Originally from Germany. Seeds shiny brown.

326581 and 326582. GLYCINE USSURIENSIS Regal & Maack

326581. K-5820. From Soviet Union.

326582. From Primorsk Province. Soviet Union.

326583 to 326585. PUERARIA LOBATA (Willd.) Ohwi Leguminosae. Kudzu.

From Korea. Seeds presented by Chang Bok Lee, College of Agriculture, Seoul National University, Suwon, through Jeung Haeng Ree, Yungnam Crop Experiment Station, Milyang. Received Apr. 12, 1968.

326583. No. 1.

326584. No. 2.

326585. No. 3.

326586 to 326593. ARACHIS HYPOGAEA L. Leguminosae.

From Uganda. Seeds presented by Department of Agriculture, Serere Research Station, Soroti. Received Apr. 12, 1968.

326586. 'Acholi White'. **326590.** 'Mt. Makulu'.

326587. 'B-100'. **326591.** 'Roxo 531'.

326588. 'Bukene'. **326592.** 'S-189'.

326589. 'Nari Pinter'. **326593.** 'Tatu 386'.

326594 to 326598. CUCUMIS SATIVUS L. Cucurbitaceae.

Cucumber.

From Hungary. Seeds presented by Gy Meszoly, Agricultural Experimental Institute of Duna-Tiszakoz, Kecskemet. Received Apr. 12, 1968.

326594. 'Kecskemeti hamvas'. **326597.** 'Kecskemeti 32'. F₁.

326595. 'Kecskemeti 3'. F₁. **326598.** 'Kecskemeti 114'. F₁.

326596. 'Kecskemeti 31'. F₁.

326599. CARTHAMUS TINCTORIUS L. Compositae. Safflower.

From Germany. Seeds presented by Professor Schuster, Institute für Pflanzenbau, Gissen, through P. F. Knowles, Agricultural Experiment Station, Davis, California.

U.C. 68-2. Reported to have originated in the Soviet Union; grown in Germany as Selection 166.

326600 to 327598. AVENA STERILIS L. Gramineae. Animated oats.

From Israel. Seeds presented by the Hebrew University of Jerusalem, Rehovot under P.L. 480 Project A10-CR-20. Numbered Apr. 9, 1968.

326600. 6-64-3-113.	326634. 6-76-3-123.
326601. 6-64-3-146.	326635. 6-76-3-124.
326602. 6-64-6-113.	326636. 6-76-3-126.
326603. 6-76-2-1a-102.	326637. 6-76-3-128.
326604. 6-76-2-1a-103.	326638. 6-76-3-129.
326605. 6-76-2-2a-101.	326639. 6-76-3-130.
326606. 6-76-2-2a-104.	326640. 6-76-3-132.
326607. 6-76-2-101.	326641. 6-76-3-135.
326608. 6-76-2-102.	326642. 6-76-3-138.
326609. 6-76-2-103.	326643. 6-76-3-142.
326610. 6-76-2-104.	326644. 6-76-3-143.
326611. 6-76-2-105.	326645. 6-76-3-144.
326612. 6-76-2-106.	326646. 6-76-3-145.
326613. 6-76-2-108.	326647. 6-76-3-149.
326614. 6-76-2-109.	326648. 6-76-3-150.
326615. 6-76-2-111.	326649. 6-76-3-151.
326616. 6-76-2-113.	326650. 6-76-3-152.
326617. 6-76-2-115.	326651. 6-76-3-154.
326618. 6-76-2-117.	326652. 6-76-3-155.
326619. 6-76-2-119.	326653. 6-76-3-156.
326620. 6-76-2-201.	326654. 6-76-3-157.
326621. 6-76-2-202.	326655. 6-76-3-158.
326622. 6-76-2-202.	326656. 6-76-3-159.
326623. 6-76-206.	326657. 6-76-3-160.
326624. 6-76-2-207.	326658. 6-76-3-162.
326625. 6-76-2-209.	326659. 6-76-3-163.
326626. 6-76-3-1-105-301.	326660. 6-76-3-164.
326627. 6-76-3-1-105-302.	326661. 6-76-3-166.
326628. 6-76-3-1-105-305.	326662. 6-76-3-168.
326629. 6-76-3-1-105-306.	326663. 6-76-3-202.
326630. 6-76-3-1-105-309.	326664. 6-76-3-204.
326631. 6-76-3-1-105-310.	326665. 6-76-3-205.
326632. 6-76-3-1-105-313.	326666. 6-76-3-207.
326633. 6-76-3-119.	326667. 6-76-3-208.

326600 to 327598—Continued

326668.	6-76-3-211.	326710.	6-174-5-3-104-310.
326669.	6-76-3-213.	326711.	6-174-5-3-104-312.
326670.	6-76-3-214.	326712.	6-174-5-3-105-301.
326671.	6-76-3-216.	326713.	6-174-5-3-105-302.
326672.	6-76-3-218.	326714.	6-174-5-3-105-304.
326673.	6-76-4-1a-102.	326715.	6-174-5-3-105-307.
326674.	6-76-4-1a-104.	326716.	6-174-5-5a-202.
326675.	6-76-4-1t-105.	326717.	6-174-5-6a-201.
326676.	6-76-4-1t-107.	326718.	6-174-5-6a-202.
326677.	6-76-4-1a-108.	326719.	6-174-5-6a-203.
326678.	6-76-4-1a-109.	326720.	6-174-5-104.
326679.	6-76-4-1a-110.	326721.	6-174-5-105.
326680.	6-76-4-1a-111.	326722.	6-174-5a-201.
326681.	6-76-4-1a-112.	326723.	6-174-306.
326682.	6-76-4-2-103-302.	326724.	6-180-1-115.
326683.	6-76-4-2-103-305.	326725.	6-630-103-201.
326684.	6-76-4-2-103-306.	326726.	6-630-103.
326685.	6-76-4-2-103-307.	326727.	6-688-3-101-401.
326686.	6-76-4-2-103-308.	326728.	6-688-3-101-403.
326687.	6-76-4-104.	326729.	6-688-3-101-404.
326688.	6-76-4-105.	326730.	6-688-3-101-405.
326689.	6-76-5-1a-106.	326731.	6-688-3-101-407.
326690.	6-76-5-1a-204.	326732.	6-688-3-101-408.
326691.	6-76-5-4-201.	326733.	6-688-3-101-411.
326692.	6-76-5-6a-101.	326734.	6-688-3-101-414.
326693.	6-76-5-6a-102.	326735.	6-688-3-101-416.
326694.	6-76-5-6a-103.	326736.	6-688-103-401.
326695.	6-76-5-6a-104.	326737.	6-688-103-402.
326696.	6-76-5-6a-108.	326738.	6-688-103-403.
326697.	6-76-5-6a-110.	326739.	6-688-103-404.
326698.	6-76-5-6a-111.	326740.	6-688-103-405.
326699.	6-76-5-105.	326741.	6-688-103-406.
326700.	6-101-4-101.	326742.	6-688-111-132.
326701.	6-110-1-178.	326743.	6-688-111-301.
326702.	6-174-5-2a-102.	326744.	6-688-111-311.
326703.	6-174-5-2a-202.	326745.	6-688-111-313.
326704.	6-174-5-2a-203.	326746.	6-952-101-312.
326705.	6-174-5-3-104-301.	326747.	6-952-108-301.
326706.	6-174-5-3-104-302.	326748.	6-952-108-302.
326707.	6-174-5-3-104-303.	326749.	6-952-108-303.
326708.	6-174-5-3-104-305.	326750.	6-952-108-305.
326709.	6-174-5-3-104-309.	326751.	6-952-108-306.

326600 to 327598—Continued

326752.	6-952-108-307.	326794.	6-1275-131-209.
326753.	6-952-108-308.	326795.	6-1277-104-302.
326754.	6-952-108-309.	326796.	6-1277-104-307.
326755.	6-952-108-310.	326797.	6-1277-118-402.
326756.	6-952-113-401.	326798.	6-1277-119-401.
326757.	6-952-113-405.	326799.	6-1304-116-407.
326758.	6-952-113-406.	326800.	6-1304-117-401.
326759.	6-952-113-409.	326801.	6-1304-117-407.
326760.	6-952-113-410.	326802.	6-1307-119-406.
326761.	6-952-115-111.	326803.	6-1307-119-407.
326762.	6-952-115-113.	326804.	6-1307-119-411.
326763.	6-952-115-402.	326805.	6-1310-130-203.
326764.	6-952-115-404.	326806.	6-1310-130-206.
326765.	6-952-115-407.	326807.	6-1310-131-204.
326766.	6-952-115-409.	326808.	6-1312-132-209.
326767.	6-952-115-412.	326809.	6-1419-131-202.
326768.	6-952-131-201.	326810.	6-1420-130-203.
326769.	6-952-131-206.	326811.	6-1430-101-306.
326770.	6-952-131-207.	326812.	6-1430-101-307.
326771.	6-952-131-208.	326813.	6-1451-120-410.
326772.	6-953-101-303.	326814.	6-1451-130-409.
326773.	6-953-101-312.	326815.	6-1462-104-303.
326774.	6-953-101-313.	326816.	6-1462-104-305.
326775.	6-953-130-301.	326817.	6-1462-104-307.
326776.	6-953-130-202.	326818.	6-1462-105-302.
326777.	6-953-130-205.	326819.	6-1462-105-305.
326778.	6-1099-126-304.	326820.	6-1462-105-308.
326779.	6-1099-126a-301.	326821.	6-1462-105-310.
326780.	6-1099-126a-313.	326822.	6-1462-111-406.
326781.	6-1134-113-409.	326823.	6-1462-111-407.
326782.	6-1134-113-415.	326824.	6-1462-111-408.
326783.	6-1167-111-410.	326825.	6-1462-113-414.
326784.	6-1197-112-407.	326826.	6-1462-114-403.
326785.	6-1197-112-409.	326827.	6-1462-114-406.
326786.	6-1197-112-412.	326828.	6-1462-115-405.
326787.	6-1197-117-404.	326829.	6-1462-115-411.
326788.	6-1197-117-411.	326830.	6-1462-115-412.
326789.	6-1253-103-304.	326831.	6-1462-116-404.
326790.	6-1253-103-305.	326832.	6-1462-119-401.
326791.	6-1253-104-304.	326833.	6-1462-119-408.
326792.	6-1272-131-307.	326834.	6-1462-119-411.
326793.	6-1275-131-208.	326835.	6-1462-119-415.

326600 to 327598—Continued

326836.	6-1560-102-303.	326878.	6-1744-117-401.
326837.	6-1560-103-306.	326879.	6-1744-117-402.
326838.	6-1563-102-303.	326880.	6-1744-117-406.
326839.	6-1563-103-306.	326881.	6-1744-117-409.
326840.	6-1563-103-301.	326882.	6-1758-115-404.
326841.	6-1563-104-301.	326883.	6-1758-115-405.
326842.	6-1563-105-309.	326884.	6-1758-116-405.
326843.	6-1588-101-301.	326885.	6-1758-120-405.
326844.	6-1588-101-302.2.	326886.	6-1758-120-412.
326845.	6-1588-101-303.	326887.	6-1780-111-406.
326846.	6-1588-101-304.	326888.	6-1780-111-407.
326847.	6-1604-130-202.	326889.	6-1780-113-407.
326848.	6-1668-111-410.	326890.	6-1780-114-404.
326849.	6-1710-112-406.	326891.	6-1780-114-406.
326850.	6-1725-101-310.	326892.	6-1780-114-407.
326851.	6-1725-112-405.	326893.	6-1785-116-409.
326852.	6-1725-112-410.	326894.	6-1795-119-407.
326853.	6-1730-104-301.	326895.	6-1795-122-410.
326854.	6-1730-104-302.	326896.	6-1795-122-412.
326855.	6-1730-104-303.	326897.	6-1809-113-406.
326856.	6-1730-104-311.	326898.	6-1811-118-401.
326857.	6-1744-102-307.	326899.	6-1811-112-412.
326858.	6-1744-112-401.	326900.	6-1921-125-401.
326859.	6-1744-112-402.	326901.	6-1968-115-415.
326860.	6-1744-112-406.	326902.	6-2026-104-402.
326861.	6-1744-112-409.	326903.	6-2066-111-407.
326862.	6-1744-112-410.	326904.	6-2072-103-302.
326863.	6-1744-112-411.	326905.	6-2072-103-304.
326864.	6-1744-112-412.	326906.	6-2072-103-306.
326865.	6-1744-113-401.	326907.	6-2129-409.
326866.	6-1744-113-402.	326908.	6-2129-411.
326867.	6-1744-113-404.	326909.	6-2129-414.
326868.	6-1744-113-405.	326910.	6-2129-416.
326869.	6-1744-115-401.	326911.	6-2129-417.
326870.	6-1744-115-405.	326912.	6-2130-302.
326871.	6-1744-115-406.	326913.	6-2130-304.
326872.	6-1744-116-401.	326914.	6-2130-317.
326873.	6-1744-116-402.	326915.	6-2134-306.
326874.	6-1744-116-403.	326916.	6-2134-308.
326875.	6-1744-116-405.	326917.	6-2134-311.
326876.	6-1744-116-408.	326918.	6-2134-312.
326877.	6-1744-116-409.	326919.	6-2135-402.

326600 to 327598—Continued

326920.	6-2135-403.	326962.	6-2167.
326921.	6-2135-405.	326963.	6-2167-301.
326922.	6-2135-407.	326964.	6-2167-302.
326923.	6-2135-410.	326965.	6-2168.
326924.	6-2135-415.	326966.	6-2168-304.
326925.	6-2140-305.	326967.	6-2169.
326926.	6-2146-414.	326968.	6-2170.
326927.	6-2147-401.	326969.	6-2171-301.
326928.	6-2147-403.	326970.	6-2172.
326929.	6-2148-401.	326971.	6-2172-301.
326930.	6-2149-401.	326972.	6-2173.
326931.	6-2149-402.	326973.	6-2173-403.
326932.	6-2150-404.	326974.	6-2173-405.
326933.	6-2151-404.	326975.	6-2174.
326934.	6-2151-405.	326976.	6-2174-402.
326935.	6-2152-401.	326977.	6-2174-403.
326936.	6-2154-401.	326978.	6-2174-404.
326937.	6-2155-405.	326979.	6-2175.
326938.	6-2155-406.	326980.	6-2175-302.
326939.	6-2157-411.	326981.	6-2175-404.
326940.	6-2157-412.	326982.	6-2176.
326941.	6-2157-415.	326983.	6-2176-403.
326942.	6-2158-401.	326984.	6-2178.
326943.	6-2159.	326985.	6-2179.
326944.	6-2159-302.	326986.	6-2180.
326945.	6-2160.	326987.	6-2180-301.
326946.	6-2160-301.	326988.	6-2181.
326947.	6-2160-307.	326989.	6-2181-301.
326948.	6-2161.	326990.	6-2181-304.
326949.	6-2162.	326991.	6-2181-307.
326950.	6-2162-401.	326992.	6-2182.
326951.	6-2162-402.	326993.	6-2182-403.
326952.	6-2163.	326994.	6-2184.
326953.	6-2163-301.	326995.	6-2184-304.
326954.	6-2163-302.	326997.	6-2184-401.
326955.	6-2164.	326996.	6-2184-305.
326956.	6-2164-404.	326998.	6-2185-301.
326957.	6-2165.	326999.	6-2186.
326958.	6-2165-301.	327000.	6-2187.
326959.	6-2166.	327001.	6-2187-302.
326960.	6-2166-401.	327002.	6-2187-305.
326961.	6-2166-404.	327003.	6-2187-401.

326600 to 327598—Continued

327004.	6-2188.	327046.	6-2216.
327005.	6-2189.	327047.	6-2216-301.
327006.	6-2190-401.	327048.	6-2217.
327007.	6-2191.	327049.	6-2218.
327008.	6-2191-401.	327050.	6-2218-302.
327009.	6-2191-403.	327051.	6-2219.
327010.	6-2192.	327052.	6-2219-303.
327011.	6-2192-302.	327053.	6-2219-306.
327012.	6-2192-304.	327054.	6-2221.
327013.	6-2192-401.	327055.	6-2221-305.
327014.	6-2193.	327056.	6-2221-403.
327015.	6-2194.	327057.	6-2222.
327016.	6-2195.	327058.	6-2222-301.
327017.	6-2196.	327059.	6-2222-301.
327018.	6-2197.	327060.	6-2227.
327019.	6-2197-403.	327061.	6-2227-303.
327020.	6-2198.	327062.	6-2227-307.
327021.	6-2199.	327063.	6-2228-301.
327022.	6-2199-301.	327064.	6-2231.
327023.	6-2199-302.	327065.	6-2232-301.
327024.	6-2200.	327066.	6-2233.
327025.	6-2201.	327067.	6-2233-303.
327026.	6-2201-301.	327068.	6-2234.
327027.	6-2202.	327069.	6-2234-301.
327028.	6-2203.	327070.	6-2234-303.
327029.	6-2203-301.	327071.	6-2235-401.
327030.	6-2204.	327072.	6-2236.
327031.	6-2205-301.	327073.	6-2236-303.
327032.	6-2205-302.	327074.	6-2236-306.
327033.	6-2205-303.	327075.	6-2237-301.
327034.	6-2205-401.	327076.	6-2237-302.
327035.	6-2207.	327077.	6-2238-302.
327036.	6-2207-402.	327078.	6-2240.
327037.	6-2208.	327079.	6-2240-301.
327038.	6-2208-303.	327080.	6-2240-303.
327039.	6-2209-312.	327081.	6-2241.
327040.	6-2210.	327082.	6-2241-302.
327041.	6-2210-301.	327083.	6-2242.
327042.	6-2211-302.	327084.	6-2242-303.
327043.	6-2212.	327085.	6-2243.
327044.	6-2213-302.	327086.	6-2244-302.
327045.	6-2215.	327087.	6-2244-303.

326600 to 327598—Continued

327088.	6-2244-308.	327130.	6-2286-306.
327089.	6-2245.	327131.	6-2286-406.
327090.	6-2246-303.	327132.	6-2287.
327091.	6-2247.	327133.	6-2287-410.
327092.	6-2247-402.	327134.	6-2288-401.
327093.	6-2248.	327135.	6-2289.
327094.	6-2249-303.	327136.	6-2289-301.
327095.	6-2250.	327137.	6-2290.
327096.	6-2251.	327138.	6-2291.
327097.	6-2252.	327139.	6-2291-401.
327098.	6-2253-301.	327140.	6-2293-401.
327099.	6-2255.	327141.	6-2293-402.
327100.	6-2257-401.	327142.	6-2294-401.
327101.	6-2260.	327143.	6-2294-402.
327102.	6-2262-301.	327144.	6-2295-303.
327103.	6-2262-302.	327145.	6-2295-401.
327104.	6-2263.	327146.	6-2295-404.
327105.	6-2263-401.	327147.	6-2296-401.
327106.	6-2264.	327148.	6-2297-401.
327107.	6-2264-401.	327149.	6-2298.
327108.	6-2264-402.	327150.	6-2298-401.
327109.	6-2264-403.	327151.	6-2299-402.
327110.	6-2265.	327152.	6-2300.
327111.	6-2266.	327153.	6-2301.
327112.	6-2269.	327154.	6-2302-401.
327113.	6-2269-401.	327155.	6-2303.
327114.	6-2270-401.	327156.	6-2304.
327115.	6-2270-402.	327157.	6-2304-306.
327116.	6-2271.	327158.	6-2304-308.
327117.	6-2272.	327159.	6-2305-304.
327118.	6-2273-302.	327160.	6-2306-302.
327119.	6-2274.	327161.	6-2306-304.
327120.	6-2274-301.	327162.	6-2307.
327121.	6-2275-301.	327163.	6-2307-301.
327122.	6-2279.	327164.	6-2310.
327123.	6-2281-401.	327165.	6-2310-307.
327124.	6-2262.	327166.	6-2310-308.
327125.	6-2282-302.	327167.	6-2310-408.
327126.	6-2282-402.	327168.	6-2311.
327127.	6-2284.	327169.	6-2311-302.
327128.	6-2285-401.	327170.	6-2311-304.
327129.	6-2286.	327171.	6-2311-408.

326600 to 327598—Continued

327172.	6-2312.	327214.	6-2339-402.
327173.	6-2312-307.	327215.	6-2340.
327174.	6-2313-401.	327216.	6-2341-301.
327175.	6-2314-301.	327217.	6-2344.
327176.	6-2314-302.	327218.	6-2344-303.
327177.	6-2315.	327219.	6-2344-403.
327178.	6-2315-304.	327220.	6-2347.
327179.	6-2315-305.	327221.	6-2348.
327180.	6-2315-404.	327222.	6-2348-303.
327181.	6-2316-301.	327223.	6-2349-304.
327182.	6-2317-401.	327224.	6-2349-403.
327183.	6-2318.	327225.	6-2352.
327184.	6-2320.	327226.	6-2352-302.
327185.	6-2322.	327227.	6-2353-302.
327186.	6-2323.	327228.	6-2355-401.
327187.	6-2323-302.	327229.	6-2356.
327188.	6-2323-303.	327230.	6-2357.
327189.	6-2324-404.	327231.	6-2358.
327190.	6-2325.	327232.	6-2359.
327191.	6-2325-301.	327233.	6-2359-402.
327192.	6-2325-401.	327234.	6-2360.
327193.	6-2325-403.	327235.	6-2360-303.
327194.	6-2327.	327236.	6-2360-304.
327195.	6-2328-301.	327237.	6-2361.
327196.	6-2329.	327238.	6-2361-303.
327197.	6-2330-404.	327239.	6-2361-308.
327198.	6-2331.	327240.	6-2362-302.
327199.	6-2332.	327241.	6-2364-302.
327200.	6-2332-302.	327242.	6-2364-401.
327201.	6-2333.	327243.	6-2365.
327202.	6-2333-301.	327244.	6-2365-301.
327203.	6-2333-302.	327245.	6-2365-401.
327204.	6-2334.	327246.	6-2366.
327205.	6-2334-303.	327247.	6-2366-410.
327206.	6-2334-402.	327248.	6-2368-407.
327207.	6-2337.	327249.	6-2368-408.
327208.	6-2337-404.	327250.	6-2369-301.
327209.	6-2338.	327251.	6-2370.
327210.	6-2338-304.	327252.	6-2371.
327211.	6-2338-401.	327253.	6-2371-301.
327212.	6-2339-301.	327254.	6-2372.
327213.	6-2339-401.	327255.	6-2373-409.

326600 to 327598—Continued

327256.	6-2374.	327298.	6-2394-304.
327257.	6-2374-401.	327299.	6-2395.
327258.	6-2375.	327300.	6-2395-301.
327259.	6-2375-402.	327301.	6-2395-302.
327260.	6-2375-403.	327302.	6-2395-303.
327261.	6-2376-301.	327303.	6-2396.
327262.	6-2376-302.	327304.	6-2396-301.
327263.	6-2376-402.	327305.	6-2396-302.
327264.	6-2377.	327306.	6-2396-304.
327265.	6-2377-302.	327307.	6-2396-305.
327266.	6-2377-304.	327308.	6-2397.
327267.	6-2377-407.	327309.	6-2397-301.
327268.	6-2378-301.	327310.	6-2397-302.
327269.	6-2378-302.	327311.	6-2397-303.
327270.	6-2378-404.	327312.	6-2397-304.
327271.	6-2379.	327313.	6-2398-301.
327272.	6-2379-402.	327314.	6-2398-303.
327273.	6-2379-403.	327315.	6-2399.
327274.	6-2381.	327316.	6-2399-301.
327275.	6-2381-308.	327317.	6-2399-302.
327276.	6-2382-302.	327318.	6-2399-303.
327277.	6-2382-303.	327319.	6-2400.
327278.	6-2383-301.	327320.	6-2400-301.
327279.	6-2383-302.	327321.	6-2400-302.
327280.	6-2384-401.	327322.	6-2401-301.
327281.	6-2385-302.	327323.	6-2401-302.
327282.	6-2387-401.	327324.	6-2401-401.
327283.	6-2387-403.	327325.	6-2402.
327284.	6-2388.	327326.	6-2402-304.
327285.	6-2388-401.	327327.	6-2402-305.
327286.	6-2390-307.	327328.	6-2402-306.
327287.	6-2390-401.	327329.	6-2403.
327288.	6-2391-301.	327330.	6-2403-305.
327289.	6-2391-401.	327331.	6-2403-306.
327290.	6-2392-302.	327332.	6-2403-307.
327291.	6-2393.	327333.	6-2404.
327292.	6-2393-301.	327334.	6-2404-305.
327293.	6-2393-302.	327335.	6-2404-306.
327294.	6-2393-303.	327336.	6-2404-307.
327295.	6-2393-304.	327337.	6-2405-302.
327296.	6-2394.	327338.	6-2405-401.
327297.	6-2394-303.	327339.	6-2406-301.

326600 to 327598—Continued

327340.	6-2406-401.	327382.	6-2421-401.
327341.	6-2407.	327383.	6-2421-402.
327342.	6-2407-302.	327384.	6-2423-401.
327343.	6-2407-303.	327385.	6-2423-402.
327344.	6-2407-304.	327386.	6-2423-403.
327345.	6-2410.	327387.	6-2424.
327346.	6-2410-303.	327388.	6-2424-301.
327347.	6-2411.	327389.	6-2424-401.
327348.	6-2411-301.	327390.	6-2425.
327349.	6-2411-302.	327391.	6-2425-301.
327350.	6-2412-301.	327392.	6-2425-302.
327351.	6-2412-403.	327393.	6-2425-401.
327352.	6-2413.	327394.	6-2426.
327353.	6-2413-301.	327395.	6-2426-401.
327354.	6-2413-302.	327396.	6-2426-403.
327355.	6-2413-303.	327397.	6-2427.
327356.	6-2413-401.	327398.	6-2427-301.
327357.	6-2414.	327399.	6-2427-302.
327358.	6-2414-301.	327400.	6-2427-401.
327359.	6-2414-302.	327401.	6-2427-402.
327360.	6-2414-403.	327402.	6-2428.
327361.	6-2414-411.	327403.	6-2429.
327362.	6-2415.	327404.	6-2429-301.
327363.	6-2416.	327405.	6-2429-302.
327364.	6-2416-403.	327406.	6-2429-304.
327365.	6-2417.	327407.	6-2429-401.
327366.	6-2417-301.	327408.	6-2430.
327367.	6-2417-302.	327409.	6-2430-301.
327368.	6-2417-303.	327410.	6-2430-401.
327369.	6-2417-304.	327411.	6-2431.
327370.	6-2418.	327412.	6-2431-302.
327371.	6-2418-301.	327413.	6-2432.
327372.	6-2418-302.	327414.	6-2432-301.
327373.	6-2418-401.	327415.	6-2432-401.
327374.	6-2419.	327416.	6-2432-402.
327375.	6-2419-301.	327417.	6-2432-403.
327376.	6-2419-402.	327418.	6-2433.
327377.	6-2420.	327419.	6-2433-301.
327378.	6-2420-301.	327420.	6-2433-302.
327379.	6-2420-403.	327421.	6-2433-303.
327380.	6-2421-301.	327422.	6-2433-305.
327381.	6-2421-302.	327423.	6-2433-401.

326600 to 327598—Continued

327424.	6-2434.	327466.	6-2451-301.
327425.	6-2434-401.	327467.	6-2452.
327426.	6-2434-402.	327468.	6-2452-403.
327427.	6-2435.	327469.	6-2452-404.
327428.	6-2435-401.	327470.	6-2453.
327429.	6-2435-402.	327471.	6-2453-403.
327430.	6-2435-403.	327472.	6-2453-404.
327431.	6-2436.	327473.	6-2453-406.
327432.	6-2436-304.	327474.	6-2454.
327433.	6-2436-401.	327475.	6-2454-401.
327434.	6-2438.	327476.	6-2454-402.
327435.	6-2438-301.	327477.	6-2454-403.
327436.	6-2438-401.	327478.	6-2454-404.
327437.	6-2438-402.	327479.	6-2455.
327438.	6-2438-403.	327480.	6-2455-305.
327439.	6-2439-301.	327481.	6-2455-402.
327440.	6-2439-401.	327482.	6-2456.
327441.	6-2440.	327483.	6-2456-401.
327442.	6-2440-302.	327484.	6-2456-402.
327443.	6-2441.	327485.	6-2457-301.
327444.	6-2441-302.	327486.	6-2458.
327445.	6-2441-401.	327487.	6-2458-302.
327446.	6-2443-301.	327488.	6-2458-303.
327447.	6-2444.	327489.	6-2458-401.
327448.	6-2444-302.	327490.	6-2458-402.
327449.	6-2446.	327491.	6-2458-403.
327450.	6-2446-301.	327492.	6-2458-404.
327451.	6-2447.	327493.	6-2461.
327452.	6-2447-401.	327494.	6-2463-302.
327453.	6-2447-402.	327495.	6-2465.
327454.	6-2447-403.	327496.	6-2465-301.
327455.	6-2447-404.	327497.	6-2465-401.
327456.	6-2448-301.	327498.	6-2465-402.
327457.	6-2448-402.	327499.	6-2466.
327458.	6-2448-403.	327500.	6-2466-301.
327459.	6-2449-401.	327501.	6-2467.
327460.	6-2449-402.	327502.	6-2467-302.
327461.	6-2449-404.	327503.	6-2467-303.
327462.	6-2450.	327504.	6-2467-308.
327463.	6-2450-302.	327505.	6-2467-405.
327464.	6-2450-402.	327506.	6-2468-302.
327465.	6-2451.	327507.	6-2470.

326600 to 327598—Continued

327508.	6-2470-401.	327550.	6-2489-301.
327509.	6-2471-401.	327551.	6-2489-302.
327510.	6-2473-401.	327552.	6-2489-303.
327511.	6-2473-402.	327553.	6-2489-404.
327512.	6-2473-403.	327554.	6-2490.
327513.	6-2474-401.	327555.	6-2490-401.
327514.	6-2474-402.	327556.	6-2490-403.
327515.	6-2475-402.	327557.	6-2491-301.
327516.	6-2478.	327558.	6-2491-402.
327517.	6-2478-402.	327559.	6-2492.
327518.	6-2479.	327560.	6-2492-302.
327519.	6-2479-301.	327561.	6-2492-401.
327520.	6-2479-401.	327562.	6-2493.
327521.	6-2479-402.	327563.	6-2493-401.
327522.	6-2479-403.	327564.	6-2494-302.
327523.	6-2480-301.	327565.	6-2494-401.
327524.	6-2480-401.	327566.	6-2496.
327525.	6-2480-402.	327567.	6-2496-301.
327526.	6-2481-301.	327568.	6-2496-302.
327527.	6-2481-401.	327569.	6-2496-401.
327528.	6-2482.	327570.	6-2496-402.
327529.	6-2482-301.	327571.	6-2496-403.
327530.	6-2482-302.	327572.	6-2497-301.
327531.	6-2482-303.	327573.	6-2497-303.
327532.	6-2482-401.	327574.	6-2497-401.
327533.	6-2483-401.	327575.	6-2498.
327534.	6-2484-301.	327576.	6-2498-401.
327535.	6-2484-401.	327577.	6-2499-401.
327536.	6-2484-403.	327578.	6-2499-402.
327537.	6-2484-404.	327579.	6-2500-301.
327538.	6-2485-401.	327580.	6-2503.
327539.	6-2486.	327581.	6-2503-301.
327540.	6-2486-301.	327582.	6-2504-301.
327541.	6-2486-302.	327583.	6-2505-301.
327542.	6-2486-303.	327584.	6-2505-303.
327543.	6-2486-304.	327585.	6-2505-401.
327544.	6-2486-305.	327586.	6-2505-403.
327545.	6-2487-401.	327587.	6-2506.
327546.	6-2488.	327588.	6-2507.
327547.	6-2488-301.	327589.	6-2507-301.
327548.	6-2488-402.	327590.	6-2507-303.
327549.	6-2488-403.	327591.	6-2507-304.

326600 to 327598—Continued

327592. 6-2508-301.	327596. 6-2509-401.
327593. 6-2508-302.	327597. 6-2510-302.
327594. 6-2508-403.	327598. 6-2510-401.
327595. 6-2509-303.	

327599 to 327892. HORDEUM VULGARE L. Gramineae.

From Canada. Seeds presented by B. L. Harvey, University of Saskatchewan, Saskatoon. Countries of origin as indicated. Numbered Apr. 10, 1968.

From Bulgaria.

327599. H Hor 2289/63. 'No. 16'.
327600. H Hor 2290/63. 'No. 18'.
327601. H Hor 2291/63. 'No. 1241'.
327602. H Hor 2292/63. 'No. 1337'.

From Czechoslovakia.

327603. H Hor 3184/66. 'Stupicky Sestirady'.
327604. H Hor 3185/66. 'Stupicky'.
327605. H Hor 3187/66. 'Pavlovicky'.

Land races.

327606. H Hor 3484/65.
327607. H Hor 3485/65.

From Hungary.

327608. H Hor 3518/64. 'Beta Ketsoras'.
327609. H Hor 2287/66. 'Beta 40'.
327610. H Hor 2288/66. 'Mezohegyesi 68'.
327611. H Hor 2296/63. 'Bankuti 9'.
327612. H Hor 3085/66. 'Godolloi 98'.
327613. H Hor 3087/66. 'Pusztafoldvar tf'.
327614. H Hor 3189/66. 'Ledeci 324'.
327615. H Hor 3190/66. 'Mezohegyesi'.
327616. H Hor 2286/63. 'Karcagi 1039'.
327617. H Hor 2240/64. 'Hatvani 445'.
327618. H Hor 3476-65. 'Karcagi 39'.
327619. H Hor 3479/65. 'Antoninski SWHN'.
327620. H Hor 3207/66. 'Grodkowicki'.
327621. H Hor 3077/66. 'Kostek'.
327622. H Hor 3079/66. 'Kujawiak'.
327623. H Hor 3480/65. 'Kujawiak II'.
327624. H Hor 3477/65. 'Lagiewnicki'.
327625. H Hor 3481/65. 'Mikulicki Wczesny'.
327626. H Hor 3478/65. 'Piast'.
327627. H Hor 3212/66. 'Slaski I'.
327628. H Hor 3081/66. 'Slaski II'.
327629. H Hor 3214/66. 'Urbanowicki'.

327599 to 327892—Continued

327630. H Hor 3200/64. 'W.R. 65 Grodkowice'.
327631. H Hor 3076/66. 'W.R. 112 Grodkowice'.
From Rumania.
327632. H Hor. 1118/64. 'Bishor-Central'.
327633. H Hor 3191/66. 'Cenad 345'.
327634. H Hor 2315/66. 'Cenad 395'.
327635. H Hor 2316/66. 'Cenad 396'.
327636. H Hor 3306/65. 'Cenad 399'.
327637. H Hor 3515/64. 'Cenad 450'.
327638. H Hor 1339/63. 'Chissinau-Arad'.
From the Soviet Union.
327639. H Hor 3492/64. 'Chasylyly'.
327640. H Hor 3296/65. 'Chordzau Mestnyj'.
327641. H Hor 3238/66. 'Chordzau 18 (Pallidum 18)'.
327642. H Hor 3215/66. 'Dagestanskij (Samuricum 239)'.
327643. H Hor 1119/64. 'Don'.
327644. H Hor 3216/66. 'Dzau-Bapust Mestnyj'.
327645. H Hor 3217/66. 'Dzveltesli Mestnyj'.
327646. H Hor 3318/65. 'Gasavjurtovskij'.
327647. H Hor 3219/66. 'Giaginskij 395'.
327648. H Hor 3256/64. 'Hibernaculum 9006'.
327649. H Hor 3490/64. 'Hibernaculum 2664'.
327650. H Hor 3493/64. 'Jubilejnyj 25'.
327651. H Hor 3221/66. 'Karsinskij'.
327652. H Hor 3222/66. 'Kirgizskij 247 (Pallidum 247)'.
327653. H Hor 3225/66. 'Krasnyj Dar (Pallidum 2494)'.
327654. H Hor 3316/65. 'Krasnodarskij 38'.
327655. H Hor 3223/66. 'Krasnodarskij 1918'.
327656. H Hor 3224/66. 'Krasnodarskij 2929'.
327657. H Hor 3226/66. 'Moldavskij 12'.
327658. H Hor 3227/66. 'Nachcyvandany' (Pallidum 310/1)'.
327659. H Hor 3080/66. 'Odosskij 17'.
327660. H Hor 2294/63. 'Pallidum 16'.
327661. H Hor 3229/66. 'Pallidum 48'.
327662. H Hor 3230/66. 'Pallidum 187'.
327663. H Hor 3231/66. 'Pallidum 330/2'.
327664. H Hor 3335/65. 'Pallidum 475'.
327665. H Hor 25/64. 'Poltawa'.
327666. H Hor 3240/66. 'Scireckij'.
327667. H Hor 3236/66. 'Urozajnyj'.
327668. H Hor 3239/66. 'Sirvandany (Pallidum 629/9)'.
327669. H Hor 3258/64. 'Leninakanskij'.

327599 to 327892—Continued

327670. H Hor 3308/65. 'Cernigovskij 5'.
 327671. H Hor 3096/65. 'Kinel' skij 5'.
 327672. H Hor 3309/65. 'Nemicinovskij'.
 327673. H Hor 3310/65. 'Nutans 115'.
 327674. H Hor 3234/66. 'Stavropol' skij 7'.
 327675. H Hor 3311/65. 'Umanskij'.
 327676. H Hor 3235/66. 'Unumli-Arpa'.
 327677. H Hor 3232/66. 'Persicum 64'.

Landraces.

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|------------------------|------------------------|
| 327678. H Hor 3322/65. | 327711. H Hor 3319/65. |
| 327679. H Hor 3323/65. | 327712. H Hor 3320/65. |
| 327680. H Hor 3324/65. | 327713. H Hor 3321/65. |
| 327681. H Hor 3328/65. | 327714. H Hor 3325/65. |
| 327682. H Hor 3329/65. | 327715. H Hor 3326/65. |
| 327683. H Hor 3330/65. | 327716. H Hor 3327/65. |
| 327684. H Hor 3331/65. | 327717. H Hor 3332/65. |
| 327685. H Hor 3356/65. | 327718. H Hor 3333/65. |
| 327686. H Hor 3382/65. | 327719. H Hor 3333/65. |
| 327687. H Hor 3383/65. | 327720. H Hor 3336/65. |
| 327688. H Hor 3383/65. | 327721. H Hor 3337/65. |
| 327689. H Hor 3386/65. | 327722. H Hor 3338/65. |
| 327690. H Hor 3387/65. | 327723. H Hor 3339/65. |
| 327691. H Hor 3384/65. | 327724. H Hor 3342/65. |
| 327692. H Hor 3385/65. | 327725. H Hor 3344/65. |
| 327693. H Hor 3388/65. | 327726. H Hor 3343/65. |
| 327694. H Hor 3389/65. | 327727. H Hor 3345/65. |
| 327695. H Hor 3390/65. | 327728. H Hor 3352/65. |
| 327696. H Hor 3391/65. | 327729. H Hor 3353/65. |
| 327697. H Hor 3408/65. | 327730. H Hor 3357/65. |
| 327698. H Hor 3418/65. | 327731. H Hor 3358/65. |
| 327699. H Hor 3419/65. | 327732. H Hor 3359/65. |
| 327700. H Hor 3421/65. | 327733. H Hor 3360/65. |
| 327701. H Hor 3420/65. | 327734. H Hor 3361/65. |
| 327702. H Hor 3422/65. | 327735. H Hor 3362/65. |
| 327703. H Hor 3423/65. | 327736. H Hor 3363/65. |
| 327704. H Hor 3424/65. | 327737. H Hor 3364/65. |
| 327705. H Hor 3425/65. | 327738. H Hor 3365/65. |
| 327706. H Hor 3426/65. | 327739. H Hor 3366/65. |
| 327707. H Hor 3427/65. | 327740. H Hor 3367/65. |
| 327708. H Hor 3429/65. | 327741. H Hor 3368/65. |
| 327709. H Hor 3431/65. | 327742. H Hor 3369/65. |
| 327710. H Hor 3432/65. | 327743. H Hor 3370/65. |

327599 to 327892—Continued

327744.	H Hor 3371/65.	327786.	H Hor 3439/65.
327745.	H Hor 3372/65.	327787.	H Hor 3440/65.
327746.	H Hor 3373/65.	327788.	H Hor 3442/65.
327747.	H Hor 3374/65.	327789.	H Hor 3443/65.
327748.	H Hor 3375/65.	327790.	H Hor 3444/65.
327749.	H Hor 3376/65.	327791.	H Hor 3445/65.
327750.	H Hor 3377/65.	327792.	H Hor 3446/65.
327751.	H Hor 3378/65.	327793.	H Hor 3447/65.
327752.	H Hor 3379/65.	327794.	H Hor 3448/65.
327753.	H Hor 3380/65.	327795.	H Hor 3449/65.
327754.	H Hor 3381/65.	327796.	H Hor 3450/65.
327755.	H Hor 3392/65.	327797.	H Hor 3451/65.
327756.	H Hor 3393/65.	327798.	H Hor 3452/65.
327757.	H Hor 3394/65.	327799.	H Hor 3453/65.
327758.	H Hor 3395/65.	327800.	H Hor 3454/65.
327759.	H Hor 3396/65.	327801.	H Hor 3455/65.
327760.	H Hor 3397/65.	327802.	H Hor 3456/65.
327761.	H Hor 3398/65.	327803.	H Hor 3457/65.
327762.	H Hor 3399/65.	327804.	H Hor 3458/65.
327763.	H Hor 3400/65.	327805.	H Hor 3459/65.
327764.	H Hor 3401/65.	327806.	H Hor 3460/65.
327765.	H Hor 3402/65.	327807.	H Hor 3461/65.
327766.	H Hor 3403/65.	327808.	H Hor 3462/65.
327767.	H Hor 3404/65.	327809.	H Hor 3463/65.
327768.	H Hor 3405/65.	327810.	H Hor 3464/65.
327769.	H Hor 3406/65.	327811.	H Hor 3465/65.
327770.	H Hor 3407/65.	327812.	H Hor 3466/65.
327771.	H Hor 3409/65.	327813.	H Hor 3467/65.
327772.	H Hor 3410/65.	327814.	H Hor 3468/65.
327773.	H Hor 3411/65.	327815.	H Hor 3469/65.
327774.	H Hor 3413/65.	327816.	H Hor 3470/65.
327775.	H Hor 3414/65.	327817.	H Hor 3471/65.
327776.	H Hor 3415/65.	327818.	H Hor 3472/65.
327777.	H Hor 3416/65.	327819.	H Hor 3473/65.
327778.	H Hor 3417/65.	327820.	H Hor 3475/65.
327779.	H Hor 3428/65.	327821.	H Hor 3502/65.
327780.	H Hor 3433/65.	327822.	H Hor 3503/64.
327781.	H Hor 3434/65.	327823.	H Hor 3504/65.
327782.	H Hor 3435/65.	327824.	H Hor 3505/64.
327783.	H Hor 3436/65.	327825.	H Hor 3506/64.
327784.	H Hor 3437/65.	327826.	H Hor 3509/64.
327785.	H Hor 3438/65.	327827.	H Hor 3510/64.

327599 to 327892—Continued

327828.	H Hor 3511/64.	327856.	H Hor 4176/66.
327829.	H Hor 3512/64.	327857.	H Hor 4177/66.
327830.	H Hor 4094/66.	327858.	H Hor 4178/66.
327831.	H Hor 4099/66.	327859.	H Hor 4181/66.
327832.	H Hor 4100/66.	327860.	H Hor 4182/66.
327833.	H Hor 4101/66.	327861.	H Hor 4185/66.
327834.	H Hor 4142/66.	327862.	H Hor 4186/66.
327835.	H Hor 4143/66.	327863.	H Hor 4187/66.
327836.	H Hor 4144/66.	327864.	H Hor 4188/66.
327837.	H Hor 4152/66.	327865.	H Hor 3474/65.
327838.	H Hor 4154/66.	327866.	H Hor 4153/66.
327839.	H Hor 4155/66.	327867.	H Hor 2447/64.
327840.	H Hor 4157/66.	327868.	H Hor 4170/66.
327841.	H Hor 4158/66.	327869.	H Hor 4180/66.
327842.	H Hor 4159/66.	327870.	H Hor 4097/66.
327843.	H Hor 4160/66.	327871.	H Hor 3341/65.
327844.	H Hor 4161/66.	327872.	H Hor 3346/65.
327845.	H Hor 4162/66.	327873.	H Hor 3348/65.
327846.	H Hor 4163/66.	327874.	H Hor 3349/65.
327847.	H Hor 4164/66.	327875.	H Hor 3350/65.
327848.	H Hor 4165/66.	327876.	H Hor 3351/65.
327849.	H Hor 4167/66.	327877.	H Hor 3354/65.
327850.	H Hor 4168/66.	327878.	H Hor 3430/65.
327851.	H Hor 4169/66.	327879.	H Hor 4171/66.
327852.	H Hor 4172/66.	327880.	H Hor 4189/66.
327853.	H Hor 4173/66.	327881.	H Hor 4095/66.
327854.	H Hor 4174/66.	327882.	H Hor 4096/66.
327855.	H Hor 4175/66.		

Origin unknown.

327883.	H Hor 3240/66.	327888.	H Hor 3798/66.
327884.	H Hor 3541/65.	327889.	H Hor 4090/66.
327885.	H Hor 3788/66.	327890.	H Hor 4146/66.
327886.	H Hor 3792/66.	327891.	H Hor 4179/66.
327887.	H Hor 3794/66.	327892.	H Hor 4766/66.

327893 to 329134. HORDEUM sp. Gramineae.

From Israel. Seeds presented by the Hebrew University of Jerusalem, Rehovot, under P.L. 480 Project A10-CR-1. Numbered Apr. 11, 1968.

Accession numbers assigned to original seed by the Institut f. Kulturpflanzenforschung der Deutschen Akademie der Wissenschaften zu Berlin, Systematische Abteilung, Gatersleben, Germany.

327893.	A Hor 35/61.	327896.	A Hor 38/59.
327894.	A Hor 36/61.	327897.	A Hor 39/61.
327895.	A Hor 37/59.	327898.	A Hor 40/58.

327893 to 329134—Continued

327899.	A Hor 41-61.	327941.	A Hor 94/61.
327900.	A Hor 44/58.	327942.	A Hor 95/61.
327901.	A Hor 45/61.	327943.	A Hor 96/58.
327902.	A Hor 46/61.	327944.	A Hor 98/61.
327903.	A Hor 47/61.	327945.	A Hor 99/61.
327904.	A Hor 48/61.	327946.	A Hor 100/61.
327905.	A Hor 50/58.	327947.	A Hor 101/61.
327906.	A Hor 51/61.	327948.	A Hor 102/61.
327907.	A Hor 52/61.	327949.	A Hor 103/61.
327908.	A Hor 53/61.	327950.	A Hor 104/61.
327909.	A Hor 54/61.	327951.	A Hor 105/61.
327910.	A Hor 55/61.	327952.	A Hor 106/61.
327911.	A Hor 57/61.	327953.	A Hor 107/61.
327912.	A Hor 58/61.	327954.	A Hor 108/61.
327913.	A Hor 59/58.	327955.	A Hor 110/61.
327914.	A Hor 60/61.	327956.	A Hor 111/61.
327915.	A Hor 61/61.	327957.	A Hor 112/61.
327916.	A Hor 62/61.	327958.	A Hor 113/61.
327917.	A Hor 63/58.	327959.	A Hor 114/61.
327918.	A Hor 64/61.	327960.	A Hor 115/61.
327919.	A Hor 65/61.	327961.	A Hor 116/61.
327920.	A Hor 66/61.	327962.	A Hor 117/61.
327921.	A Hor 67/61.	327963.	A Hor 118/61.
327922.	A Hor 68/61.	327964.	A Hor 120/61.
327923.	A Hor 69/61.	327965.	A Hor 121/61.
327924.	A Hor 70/61.	327966.	A Hor 122/58.
327925.	A Hor 71/61.	327967.	A Hor 124/61.
327926.	A Hor 72/61.	327968.	A Hor 125/61.
327927.	A Hor 73/61.	327969.	A Hor 126/61.
327928.	A Hor 76/61.	327970.	A Hor 127/61.
327929.	A Hor 77/61.	327971.	A Hor 128/61.
327930.	A Hor 78/61.	327972.	A Hor 129/61.
327931.	A Hor 79/61.	327973.	A Hor 130/61.
327932.	A Hor 81/61.	327974.	A Hor 131/59.
327933.	A Hor 82/61.	327975.	A Hor 132/59.
327934.	A Hor 83/61.	327976.	A Hor 133/59.
327935.	A Hor 84/61.	327977.	A Hor 134/61.
327936.	A Hor 85/58.	327978.	A Hor 136/61.
327937.	A Hor 88/61.	327979.	A Hor 137/58.
327938.	A Hor 89/61.	327980.	A Hor 138/61.
327939.	A Hor 90/58.	327981.	A Hor 139/58.
327940.	A Hor 93/61.	327982.	A Hor 140/58.

327893 to 329134—Continued

327983.	A Hor 141/58.	328025.	A Hor 204/57.
327984.	A Hor 143/60.	328026.	A Hor 205/61.
327985.	A Hor 144/58.	328027.	A Hor 207/58.
327986.	A Hor 147/61.	328028.	A Hor 209/58.
327987.	A Hor 152/59.	328029.	A Hor 211/58.
327988.	A Hor 155/58.	328030.	A Hor 212/58.
327989.	A Hor 156/58.	328031.	A Hor 214/61.
327990.	A Hor 157/58.	328032.	A Hor 215/61.
327991.	A Hor 158/58.	328033.	A Hor 216/61.
327992.	A Hor 159/61.	328034.	A Hor 218/61.
327993.	A Hor 160/61.	328035.	A Hor 219/61.
327994.	A Hor 164/61.	328036.	A Hor 220/61.
327995.	A Hor 165/58.	328037.	A Hor 221/61.
327996.	A Hor 166/58.	328038.	A Hor 222/58.
327997.	A Hor 170/59.	328039.	A Hor 223/61.
327998.	A Hor 171/61.	328040.	A Hor 224/58.
327999.	A Hor 174/61.	328041.	A Hor 225/61.
328000.	A Hor 175/61.	328042.	A Hor 226/61.
328001.	A Hor 176-61.	328043.	A Hor 227/61.
328002.	A Hor 178/61.	328044.	A Hor 228/61.
328003.	A Hor 179/61.	328045.	A Hor 231/58.
328004.	A Hor 180/61.	328046.	A Hor 232/58.
328005.	A Hor 182/61.	328047.	A Hor 233/58.
328006.	A Hor 183/61.	328048.	A Hor 234/58.
328007.	A Hor 185/61.	328049.	A Hor 235/61.
328008.	A Hor 186/61.	328050.	A Hor 238/61.
328009.	A Hor 187/61.	328051.	A Hor 239/61.
328010.	A Hor 188/61.	328052.	A Hor 240/61.
328011.	A Hor 189/61.	328053.	A Hor 241/61.
328012.	A Hor 190/61.	328054.	A Hor 242/61.
328013.	A Hor 191/61.	328055.	A Hor 243/61.
328014.	A Hor 192/61.	328056.	A Hor 244/61.
328015.	A Hor 193/58.	328057.	A Hor 245/61.
328016.	A Hor 194/61.	328058.	A Hor 246/61.
328017.	A Hor 195/61.	328059.	A Hor 247/61.
328018.	A Hor 197/61.	328060.	A Hor 248/61.
328019.	A Hor 198/61.	328061.	A Hor 249/61.
328020.	A Hor 199/61.	328062.	A Hor 250/61.
328021.	A Hor 200/61.	328063.	A Hor 252/61.
328022.	A Hor 201/61.	328064.	A Hor 253/61.
328023.	A Hor 202/58.	328065.	A Hor 254/58.
328024.	A Hor 203/61.	328066.	A Hor 255/61.

327893 to 329134—Continued

328067.	A Hor 256/61.	328109.	A Hor 314/61.
328068.	A Hor 257/61.	328110.	A Hor 315/61.
328069.	A Hor 259/61.	328111.	A Hor 316/61.
328070.	A Hor 260/60.	328112.	A Hor 317/61.
328071.	A Hor 261/60.	328113.	A Hor 318/61.
328072.	A Hor 264/61.	328114.	A Hor 320/61.
328073.	A Hor 265/61.	328115.	A Hor 321/61.
328074.	A Hor 269/61.	328116.	A Hor 322/58.
328075.	A Hor 270/61.	328117.	A Hor 323/61.
328076.	A Hor 271/61.	328118.	A Hor 324/58.
328077.	A Hor 272/61.	328119.	A Hor 326/61.
328078.	A Hor 273/61.	328120.	A Hor 327/61.
328079.	A Hor 274/61.	328121.	A Hor 328/61.
328080.	A Hor 276/61.	328122.	A Hor 329/58.
328081.	A Hor 277/61.	328123.	A Hor 330/58.
328082.	A Hor 278/61.	328124.	A Hor 331/61.
328083.	A Hor 279/61.	328125.	A Hor 333/61.
328084.	A Hor 280/61.	328126.	A Hor 335/61.
328085.	A Hor 281/58.	328127.	A Hor 336/58.
328086.	A Hor 282/61.	328128.	A Hor 337/58.
328087.	A Hor 285/61.	328129.	A Hor 338/61.
328088.	A Hor 287/61.	328130.	A Hor 341/61.
328089.	A Hor 288/61.	328131.	A Hor 343/61.
328090.	A Hor 289/61.	328132.	A Hor 344/58.
328091.	A Hor 290/61.	328133.	A Hor 345/58.
328092.	A Hor 291/61.	328134.	A Hor 346/58.
328093.	A Hor 292/61.	328135.	A Hor 347/58.
328094.	A Hor 293/61.	328136.	A Hor 348/58.
328095.	A Hor 294/61.	328137.	A Hor 349/61.
328096.	A Hor 295/57.	328138.	A Hor 350/58.
328097.	A Hor 296/58.	328139.	A Hor 351/58.
328098.	A Hor 297/61.	328140.	A Hor 352/58.
328099.	A Hor 298/61.	328141.	A Hor 353/58.
328100.	A Hor 300/61.	328142.	A Hor 354/61.
328101.	A Hor 303/61.	328143.	A Hor 358/61.
328102.	A Hor 306/61.	328144.	A Hor 359/60.
328103.	A Hor 307/58.	328145.	A Hor 361/61.
328104.	A Hor 309/58.	328146.	A Hor 363/61.
328105.	A Hor 310/61.	328147.	A Hor 364/61.
328106.	A Hor 311/61.	328148.	A Hor 365/61.
328107.	A Hor 312/61.	328149.	A Hor 366/61.
328108.	A Hor 313/58.	328150.	A Hor 367-61.

327893 to 329134—Continued

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|---------|---------------|---------|---------------|
| 328151. | A Hor 368/61. | 328193. | A Hor 436/61. |
| 328152. | A Hor 375/61. | 328194. | A Hor 437/61. |
| 328153. | A Hor 376/59. | 328195. | A Hor 438/61. |
| 328154. | A Hor 377/61. | 328196. | A Hor 439-61. |
| 328155. | A Hor 384-61. | 328197. | A Hor 440/61. |
| 328156. | A Hor 385-61. | 328198. | A Hor 441/59. |
| 328157. | A Hor 386/61. | 328199. | A Hor 442/61. |
| 328158. | A Hor 387/61. | 328200. | A Hor 443/61. |
| 328159. | A Hor 388/61. | 328201. | A Hor 444/61. |
| 328160. | A Hor 389/61. | 328202. | A Hor 445/61. |
| 328161. | A Hor 390/61. | 328203. | A Hor 446/61. |
| 328162. | A Hor 392/61. | 328204. | A Hor 447/59. |
| 328163. | A Hor 393/61. | 328205. | A Hor 448/59. |
| 328164. | A Hor 396/61. | 328206. | A Hor 449/59. |
| 328165. | A Hor 397/61. | 328207. | A Hor 450/61. |
| 328166. | A Hor 400/61. | 328208. | A Hor 451/61. |
| 328167. | A Hor 403/61. | 328209. | A Hor 452-61. |
| 328168. | A Hor 404/61. | 328210. | A Hor 453/57. |
| 328169. | A Hor 405/61. | 328211. | A Hor 455/61. |
| 328170. | A Hor 409/61. | 328212. | A Hor 456/61. |
| 328171. | A Hor 411/61. | 328213. | A Hor 457/61. |
| 328172. | A Hor 412/61. | 328214. | A Hor 458/59. |
| 328173. | A Hor 413-61. | 328215. | A Hor 459/59. |
| 328174. | A Hor 414/61. | 328216. | A Hor 460/61. |
| 328175. | A Hor 415/61. | 328217. | A Hor 461/61. |
| 328176. | A Hor 416/61. | 328218. | A Hor 462/61. |
| 328177. | A Hor 417/61. | 328219. | A Hor 463/61. |
| 328178. | A Hor 418/61. | 328220. | A Hor 464/61. |
| 328179. | A Hor 420/61. | 328221. | A Hor 465/61. |
| 328180. | A Hor 421/61. | 328222. | A Hor 466/61. |
| 328181. | A Hor 422/61. | 328223. | A Hor 467/61. |
| 328182. | A Hor 423/61. | 328224. | A Hor 469/61. |
| 328183. | A Hor 424/61. | 328225. | A Hor 470/61. |
| 328184. | A Hor 425/61. | 328226. | A Hor 471/61. |
| 328185. | A Hor 426/61. | 328227. | A Hor 473/61. |
| 328186. | A Hor 427/61. | 328228. | A Hor 475/61. |
| 328187. | A Hor 428/61. | 328229. | A Hor 476/61. |
| 328188. | A Hor 430/61. | 328230. | A Hor 477/61. |
| 328189. | A Hor 431/61. | 328231. | A Hor 478/61. |
| 328190. | A Hor 432/59. | 328232. | A Hor 479-61. |
| 328191. | A Hor 433/61. | 328233. | A Hor 480/61. |
| 328192. | A Hor 435/61. | 328234. | A Hor 482/61. |

327893 to 329134—Continued

328235.	A Hor 483/61.	328277.	A Hor 532/59.
328236.	A Hor 484/61.	328278.	A Hor 534/59.
328237.	A Hor 485/61.	328279.	A Hor 535/59.
328238.	A Hor 486/61.	328280.	A Hor 537/61.
328239.	A Hor 487/61.	328281.	A Hor 538/61.
328240.	A Hor 488/61.	328282.	A Hor 539/61.
328241.	A Hor 489/61.	328283.	A Hor 540/59.
328242.	A Hor 490/61.	328284.	A Hor 541/61.
328243.	A Hor 491/61.	328285.	A Hor 542/61.
328244.	A Hor 492/61.	328286.	A Hor 543/61.
328245.	A Hor 494/61.	328287.	A Hor 544/59.
328246.	A Hor 495/61.	328288.	A Hor 545/61.
328247.	A Hor 496/61.	328289.	A Hor 546/61.
328248.	A Hor 497/61.	328290.	A Hor 547/61.
328249.	A Hor 498/61.	328291.	A Hor 548/61.
328250.	A Hor 499/61.	328292.	A Hor 549/61.
328251.	A Hor 501/61.	328293.	A Hor 550/61.
328252.	A Hor 502/61.	328294.	A Hor 551/59.
328253.	A Hor 503/59.	328295.	A Hor 552/61.
328254.	A Hor 504/59.	328296.	A Hor 553/59.
328255.	A Hor 506/59.	328297.	A Hor 554/59.
328256.	A Hor 507/61.	328298.	A Hor 555/59.
328257.	A Hor 508/61.	328299.	A Hor 556/59.
328258.	A Hor 510/61.	328300.	A Hor 557/59.
328259.	A Hor 511/61.	328301.	A Hor 558/59.
328260.	A Hor 512/57.	328302.	A Hor 559/60.
328261.	A Hor 513/61.	328303.	A Hor 560/59.
328262.	A Hor 514/59.	328304.	A Hor 562/59.
328263.	A Hor 515/57.	328305.	A Hor 563/59.
328264.	A Hor 516/61.	328306.	A Hor 564/61.
328265.	A Hor 517/61.	328307.	A Hor 566/61.
328266.	A Hor 518/61.	328308.	A Hor 567/61.
328267.	A Hor 519/61.	328309.	A Hor 568/61.
328268.	A Hor 520/61.	328310.	A Hor 571/61.
328269.	A Hor 521/61.	328311.	A Hor 572/61.
328270.	A Hor 524/61.	328312.	A Hor 573/61.
328271.	A Hor 526/61.	328313.	A Hor 574/61.
328272.	A Hor 527/61.	328314.	A Hor 578/61.
328273.	A Hor 528/57.	328315.	A Hor 579/61.
328274.	A Hor 529/61.	328316.	A Hor 580/61.
328275.	A Hor 530/61.	328317.	A Hor 581/61.
328276.	A Hor 531/59.	328318.	A Hor 582/61.

327893 to 329134—Continued

328319.	A Hor 583/61.	328361.	A Hor 641/61.
328320.	A Hor 584/61.	328362.	A Hor 642/61.
328321.	A Hor 585/61.	328363.	A Hor 643/61.
328322.	A Hor 586/60.	328364.	A Hor 644/61.
328323.	A Hor 586/61.	328365.	A Hor 645/61.
328324.	A Hor 588/61.	328366.	A Hor 646/61.
328325.	A Hor 590/60.	328367.	A Hor 647/61.
328326.	A Hor 591/61.	328368.	A Hor 648/61.
328327.	A Hor 592/61.	328369.	A Hor 649/61.
328328.	A Hor 593/61.	328370.	A Hor 652/61.
328329.	A Hor 594/61.	328371.	A Hor 653/61.
328330.	A Hor 595/61.	328372.	A Hor 654/61.
328331.	A Hor 596/61.	328373.	A Hor 655/59.
328332.	A Hor 599/61.	328374.	A Hor 656/60.
328333.	A Hor 600/61.	328375.	A Hor 657/61.
328334.	A Hor 603/61.	328376.	A Hor 658/61.
328335.	A Hor 605/61.	328377.	A Hor 659/61.
328336.	A Hor 606/61.	328378.	A Hor 660/61.
328337.	A Hor 607/61.	328379.	A Hor 661/61.
328338.	A Hor 608/61.	328380.	A Hor 662/61.
328339.	A Hor 609/60.	328381.	A Hor 663/61.
328340.	A Hor 610/61.	328382.	A Hor 664/61.
328341.	A Hor 611/61.	328383.	A Hor 666-61.
328342.	A Hor 612/61.	328384.	A Hor 667/61.
328343.	A Hor 614/61.	328385.	A Hor 668/61.
328344.	A Hor 615/61.	328386.	A Hor 669/61.
328345.	A Hor 617/61.	328387.	A Hor 670/61.
328346.	A Hor 620/61.	328388.	A Hor 671/61.
328347.	A Hor 621/61.	328389.	A Hor 672/60.
328348.	A Hor 622/59.	328390.	A Hor 673/61.
328349.	A Hor 623/59.	328391.	A Hor 674/59.
328350.	A Hor 624/61.	328392.	A Hor 675/61.
328351.	A Hor 625/61.	328393.	A Hor 676/59.
328352.	A Hor 626/61.	328394.	A Hor 677/61.
328353.	A Hor 628/61.	328395.	A Hor 678/61.
328354.	A Hor 632/61.	328396.	A Hor 679/61.
328355.	A Hor 633/61.	328397.	A Hor 680/61.
328356.	A Hor 635/61.	328398.	A Hor 682/61.
328357.	A Hor 637/61.	328399.	A Hor 683/60.
328358.	A Hor 638/61.	328400.	A Hor 684/61.
328359.	A Hor 639/61.	328401.	A Hor 685-61.
328360.	A Hor 640/61.	328402.	A Hor 687/61.

327893 to 329134—Continued

328403. A Hor 688/61.	328445. A Hor 932/60.
328404. A Hor 689/61.	328446. A Hor 933/60.
328405. A Hor 690/61.	328447. A Hor 934/60.
328406. A Hor 691/61.	328448. A Hor 935/60.
328407. A Hor 692/61.	328449. A Hor 936/60.
328408. A Hor 693/61.	328450. A Hor 938/60.
328409. A Hor 694/61.	328451. A Hor 940/59.
328410. A Hor 695/61.	328452. A Hor 941/60.
328411. A Hor 696/61.	328453. A Hor 942/60.
328412. A Hor 697/61.	328454. A Hor 943/61.
328413. A Hor 698/61.	328455. A Hor 944/60.
328414. A Hor 699/61.	328456. A Hor 945/60.
328415. A Hor 700/61.	328457. A Hor 946/60.
328416. A Hor 701/61.	328458. A Hor 948/59.
328417. A Hor 703/61.	328459. A Hor 949/60.
328418. A Hor 704/61.	328460. A Hor 950/59.
328419. A Hor 705/61.	328461. A Hor 951/60.
328420. A Hor 706/61.	328462. A Hor 953/59.
328421. A Hor 707/61.	328463. A Hor 954/59.
328422. A Hor 708/61.	328464. A Hor 955-59.
328423. A Hor 709/61.	328465. A Hor 957/60.
328424. A Hor 810/61.	328466. A Hor 958/60.
328425. A Hor 711/61.	328467. A Hor 959/60.
328426. A Hor 712/61.	328468. A Hor 960/60.
328427. A Hor 713/61.	328469. A Hor 961/60.
328428. A Hor 714/61.	328470. A Hor 963/60.
328429. A Hor 715/61.	328471. A Hor 964/60.
328430. A Hor 786/61.	328472. A Hor 965/61.
328431. A Hor 918/61.	328473. A Hor 967/60.
328432. A Hor 919/60.	328474. A Hor 969/59.
328433. A Hor 920/60.	328475. A Hor 970/59.
328434. A Hor 921/61.	328476. A Hor 971/60.
328435. A Hor 922/60.	328477. A Hor 1006/60.
328436. A Hor 923/61.	328478. A Hor 1110/59.
328437. A Hor 924/60.	328479. A Hor 1118/59.
328438. A Hor 925/60.	328480. A Hor 1122/59.
328439. A Hor 926/61.	328481. A Hor 1123/61.
328440. A Hor 927/61.	328482. A Hor 1126/61.
328441. A Hor 928/60.	328483. A Hor 1127/61.
328442. A Hor 929/61.	328484. A Hor 1129/61.
328443. A Hor 930/61.	328485. A Hor 1130/61.
328444. A Hor 931/60.	328486. A Hor 1131-59.

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328487. A Hor 1132/61.	328529. A Hor 1183/60.
328488. A Hor 1134/59.	328530. A Hor 1184/59.
328489. A Hor 1135/59.	328531. A Hor 1185/59.
328490. A Hor 1137/61.	328532. A Hor 1186/51.
328491. A Hor 1138/59.	328533. A Hor 1187/59.
328492. A Hor 1139/61.	328534. A Hor 1189/59.
328493. A Hor 1140/59.	328535. A Hor 1192/59.
328494. A Hor 1141/61.	328536. A Hor 1193/59.
328495. A Hor 1142/57.	328537. A Hor 1194/59.
328496. A Hor 1143/61.	328538. A Hor 1195/61.
328497. A Hor 1144/61.	328539. A Hor 1196/59.
328498. A Hor 1145/61.	328540. A Hor 1199/61.
328499. A Hor 1146/59.	328541. A Hor 1200/61.
328500. A Hor 1147/59.	328542. A Hor 1203/61.
328501. A Hor 1148/59.	328543. A Hor 1204/61.
328502. A Hor 1149/59.	328544. A Hor 1205/59.
328503. A Hor 1150/61.	328545. A Hor 1206/61.
328504. A Hor 1153/57.	328546. A Hor 1207/61.
328505. A Hor 1156/61.	328547. A Hor 1208/59.
328506. A Hor 1157/59.	328548. A Hor 1209/61.
328507. A Hor 1158/59.	328549. A Hor 1210/59.
328508. A Hor 1159/61.	328550. A Hor 1211/59.
328509. A Hor 1160/59.	328551. A Hor 1213-59.
328510. A Hor 1161/61.	328552. A Hor 1214/61.
328511. A Hor 1162/61.	328553. A Hor 1215/59.
328512. A Hor 1163/61.	328554. A Hor 1220/59.
328513. A Hor 1164/59.	328555. A Hor 1221/61.
328514. A Hor 1165/57.	328556. A Hor 1222/61.
328515. A Hor 1166/60.	328557. A Hor 1225/59.
328516. A Hor 1167/59.	328558. A Hor 1226/59.
328517. A Hor 1168/59.	328559. A Hor 1228/59.
328518. A Hor 1169/59.	328560. A Hor 1229/59.
328519. A Hor 1170/59.	328561. A Hor 1230/61.
328520. A Hor 1171/61.	328562. A Hor 1231/60.
328521. A Hor 1172/59.	328563. A Hor 1232/59.
328522. A Hor 1174/61.	328564. A Hor 1233/59.
328523. A Hor 1175/61.	328565. A Hor 1234/59.
328524. A Hor 1176/61.	328566. A Hor 1235/60.
328525. A Hor 1177/61.	328567. A Hor 1237/59.
328526. A Hor 1179/59.	328568. A Hor 1238/59.
328527. A Hor 1180/59.	328569. A Hor 1239/59.
328528. A Hor 1182/59.	328570. A Hor 1242/61.

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328571.	A Hor 1243/61.	328613.	A Hor 1305/61.
328572.	A Hor 1245/59.	328614.	A Hor 1306/60.
328573.	A Hor 1246/59.	328615.	A Hor 1307/61.
328574.	A Hor 1247/61.	328616.	A Hor 1308/61.
328575.	A Hor 1248/61.	328617.	A Hor 1309/61.
328576.	A Hor 1250/59.	328618.	A Hor 1311/60.
328577.	A Hor 1253/59.	328619.	A Hor 1312/61.
328578.	A Hor 1255/59.	328620.	A Hor 1357/58.
328579.	A Hor 1256/59.	328621.	A Hor 1364/58.
328580.	A Hor 1258/59.	328622.	A Hor 1365/59.
328581.	A Hor 1260/61.	328623.	A Hor 1366/60.
328582.	A Hor 1261/61.	328624.	A Hor 1367/60.
328583.	A Hor 1263/60.	328625.	A Hor 1368-58
328584.	A Hor 1266/61.	328626.	A Hor 1369/58.
328585.	A Hor 1267/59.	328627.	A Hor 1372/58.
328586.	A Hor 1268/61.	328628.	A Hor 1373/58.
328587.	A Hor 1269/59.	328629.	A Hor 1374/58.
328588.	A Hor 1271/61.	328630.	A Hor 1377/58.
328589.	A Hor 1272/61.	328631.	A Hor 1378/59.
328590.	A Hor 1273/61.	328632.	A Hor 1379/59.
328591.	A Hor 1276/61.	328633.	A Hor 1380/58.
328592.	A Hor 1277/61.	328634.	A Hor 1381/61.
328593.	A Hor 1278/61.	328635.	A Hor 1382/59.
328594.	A Hor 1280/61.	328636.	A Hor 1383/59.
328595.	A Hor 1281/61.	328637.	A Hor 1385/60.
328596.	A Hor 1284/60.	328638.	A Hor 1386/59.
328597.	A Hor 1285/61.	328639.	A Hor 1387/59.
328598.	A Hor 1287/61.	328640.	A Hor 1388/59.
328599.	A Hor 1288/57.	328641.	A Hor 1389/59.
328600.	A Hor 1289/61.	328642.	A Hor 1390/58.
328601.	A Hor 1291/61.	328643.	A Hor 1392/58.
328602.	A Hor 1292/61.	328644.	A Hor 1393/58.
328603.	A Hor 1293/61.	328645.	A Hor 1394/59.
328604.	A Hor 1294/61.	328646.	A Hor 1395/59.
328605.	A Hor 1296/61.	328647.	A Hor 1396/59.
328606.	A Hor 1297/61.	328648.	A Hor 1397/59.
328607.	A Hor 1299/61.	328649.	A Hor 1401/59.
328608.	A Hor 1300/61.	328650.	A Hor 1402/59.
328609.	A Hor 1301/61.	328651.	A Hor 1405/61.
328610.	A Hor 1302/61.	328652.	A Hor 1406/59.
328611.	A Hor 1303/57.	328653.	A Hor 1407/59.
328612.	A Hor 1304/61.	328654.	A Hor 1408/59.

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328655.	A Hor 1409/59.	328697.	A Hor 1502/58.
328656.	A Hor 1410/60.	328698.	A Hor 1503/58.
328657.	A Hor 1411/60.	328699.	A Hor 1506/58.
328658.	A Hor 1412/59.	328700.	A Hor 1507/58.
328659.	A Hor 1413/60.	328701.	A Hor 1508/58.
328660.	A Hor 1415/60.	328702.	A Hor 1509/58.
328661.	A Hor 1416/60.	328703.	A Hor 1519/58.
328662.	A Hor 1419/58.	328704.	A Hor 1522/58.
328663.	A Hor 1421/58.	328705.	A Hor 1524/58.
328664.	A Hor 1422/58.	328706.	A Hor 1527/58.
328665.	A Hor 1423/60.	328707.	A Hor 1534/58.
328666.	A Hor 1425/58.	328708.	A Hor 1538/58.
328667.	A Hor 1426/58.	328709.	A Hor 1541/61.
328668.	A Hor 1427/58.	328710.	A Hor 1593/58.
328669.	A Hor 1428/58.	328711.	A Hor 1617/58.
328670.	A Hor 1429/58.	328712.	A Hor 1630/58.
328671.	A Hor 1430/58.	328713.	A Hor 1631/58.
328672.	A Hor 1432/58.	328714.	A Hor 1634/58.
328673.	A Hor 1433/60.	328715.	A Hor 1635/58.
328674.	A Hor 1434/58.	328716.	A Hor 1640/58.
328675.	A Hor 1435/58.	328717.	A Hor 1718/59.
328676.	A Hor 1436/58.	328718.	A Hor 1726/58.
328677.	A Hor 1437/58.	328719.	A Hor 1729/58.
328678.	A Hor 1440/58.	328720.	A Hor 1773/60.
328679.	A Hor 1441/58.	328721.	A Hor 1774/61.
328680.	A Hor 1442/58.	328722.	A Hor 1775/60.
328681.	A Hor 1443/58.	328723.	A Hor 1776/60.
328682.	A Hor 1444/58.	328724.	A Hor 1779/60.
328683.	A Hor 1446/61.	328725.	A Hor 1781/61.
328684.	A Hor 1448/58.	328726.	A Hor 1786/61.
328685.	A Hor 1452/58.	328727.	A Hor 1788/60.
328686.	A Hor 1457/58.	328728.	A Hor 1790/60.
328687.	A Hor 1458/58.	328729.	A Hor 1791/60.
328688.	A Hor 1461/60.	328730.	A Hor 1792/60.
328689.	A Hor 1466/59.	328731.	A Hor 1793/61.
328690.	A Hor 1481/58.	328732.	A Hor 1799/61.
328691.	A Hor 1483/61.	328733.	A Hor 1800/61.
328692.	A Hor 1485/58.	328734.	A Hor 1801/61.
328693.	A Hor 1489/58.	328735.	A Hor 1862/60.
328694.	A Hor 1493/58.	328736.	A Hor 1863/60.
328695.	A Hor 1500/58.	328737.	A Hor 1865/61.
328696.	A Hor 1501/58.	328738.	A Hor 1866/60.

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328739. A Hor 1868/62.	328781. A Hor 1924/61.
328740. A Hor 1869/61.	328782. A Hor 1925/61.
328741. A Hor 1870/60.	328783. A Hor 1926/61.
328742. A Hor 1871/60.	328784. A Hor 1931/61.
328743. A Hor 1872/60.	328785. A Hor 1937/61.
328744. A Hor 1873/60.	328786. A Hor 1939/61.
328745. A Hor 1874/60.	328787. A Hor 1941/61.
328746. A Hor 1875/60.	328788. A Hor 1942/61.
328747. A Hor 1876/60.	328789. A Hor 1944/61.
328748. A Hor 1878/60.	328790. A Hor 1945/60.
328749. A Hor 1879/60.	328791. A Hor 1949/61.
328750. A Hor 1881/61.	328792. A Hor 1951/61.
328751. A Hor 1882/58.	328793. A Hor 1952/60.
328752. A Hor 1883/60.	328794. A Hor 1953/61.
328753. A Hor 1886/60.	328795. A Hor 1956/58.
328754. A Hor 1887/60.	328796. A Hor 1957/60.
328755. A Hor 1891/60.	328797. A Hor 1958/60.
328756. A Hor 1892/60.	328798. A Hor 1960/60.
328757. A Hor 1894/60.	328799. A Hor 1962/60.
328758. A Hor 1895/60.	328800. A Hor 1963/60.
328759. A Hor 1897/60.	328801. A Hor 1966/61.
328760. A Hor 1898/60.	328802. A Hor 1970/60.
328761. A Hor 1899/60.	328803. A Hor 1973/60.
328762. A Hor 1900/60.	328804. A Hor 2092/58.
328763. A Hor 1901/61.	328805. A Hor 2175/58.
328764. A Hor 1902/59.	328806. A Hor 2176/58.
328765. A Hor 1903/60.	328807. A Hor 2177/58.
328766. A Hor 1904/61.	328808. A Hor 2178/58.
328767. A Hor 1905/60.	328809. A Hor 2179/58.
328768. A Hor 1906/61.	328810. A Hor 2180/58.
328769. A Hor 1907/61.	328811. A Hor 2181/58.
328770. A Hor 1908/60.	328812. A Hor 2182/58.
328771. A Hor 1909/60.	328813. A Hor 2183/58.
328772. A Hor 1910/60.	328814. A Hor 2184/58.
328773. A Hor 1912/60.	328815. A Hor 2185/58.
328774. A Hor 1914/61.	328816. A Hor 2186/58.
328775. A Hor 1915/60.	328817. A Hor 2187/58.
328776. A Hor 1917/61.	328818. A Hor 2188/58.
328777. A Hor 1918/61.	328819. A Hor 2189/58.
328778. A Hor 1919/61.	328820. A Hor 2190-58.
328779. A Hor 1922/60.	328821. A Hor 2191/58.
328780. A Hor 1923/60.	328822. A Hor 2192/58.

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328823.	A Hor 2193/58.	328865.	A Hor 2258/61.
328824.	A Hor 2195/58.	328866.	A Hor 2259/61.
328825.	A Hor 2197/58.	328867.	A Hor 2263/61.
328826.	A Hor 2198/58.	328868.	A Hor 2264/60.
328827.	A Hor 2200/58.	328869.	A Hor 2265/61.
328828.	A Hor 2201/58.	328870.	A Hor 2322/58.
328829.	A Hor 2202/58.	328871.	A Hor 2327/58.
328830.	A Hor 2203/58.	328872.	A Hor 2328/58.
328831.	A Hor 2204/58.	328873.	A Hor 2330/58.
328832.	A Hor 2205/58.	328874.	A Hor 2331/58.
328833.	A Hor 2206/58.	328875.	A Hor 2333/58.
328834.	A Hor 2208/58.	328876.	A Hor 2334/58.
328835.	A Hor 2209/58.	328877.	A Hor 2336/58.
328836.	A Hor 2211/58.	328878.	A Hor 2338/58.
328837.	A Hor 2212/58.	328879.	A Hor 2340/58.
328838.	A Hor 2213/58.	328880.	A Hor 2342/58.
328839.	A Hor 2214/58.	328881.	A Hor 2345/58.
328840.	A Hor 2215/58.	328882.	A Hor 2346/58.
328841.	A Hor 2216/58.	328883.	A Hor 2347/58.
328842.	A Hor 2217/58.	328884.	A Hor 2349/58.
328843.	A Hor 2218/58.	328885.	A Hor 2350/58.
328844.	A Hor 2219/59.	328886.	A Hor 2351/58.
328845.	A Hor 2221/58.	328887.	A Hor 2353/59.
328846.	A Hor 2222/58.	328888.	A Hor 2354/58.
328847.	A Hor 2223/58.	328889.	A Hor 2357/58.
328848.	A Hor 2224/58.	328890.	A Hor 2358/58.
328849.	A Hor 2225/58.	328891.	A Hor 2360/60.
328850.	A Hor 2226/58.	328892.	A Hor 2361/58.
328851.	A Hor 2227/58.	328893.	A Hor 2364/58.
328852.	A Hor 2229/58.	328894.	A Hor 2365/58.
328853.	A Hor 2230/58.	328895.	A Hor 2366/58.
328854.	A Hor 2231/58.	328896.	A Hor 2368/58.
328855.	A Hor 2232/58.	328897.	A Hor 2369/58.
328856.	A Hor 2244/61.	328898.	A Hor 2370/58.
328857.	A Hor 2245/61.	328899.	A Hor 2372/58.
328858.	A Hor 2246/61.	328900.	A Hor 2374/61.
328859.	A Hor 2249/61.	328901.	A Hor 2380/58.
328860.	A Hor 2252/61.	328902.	A Hor 2382/58.
328861.	A Hor 2253/61.	328903.	A Hor 2383/61.
328862.	A Hor 2254/61.	328904.	A Hor 2384/58.
328863.	A Hor 2256/61.	328905.	A Hor 2385/58.
328864.	A Hor 2257/61.	328906.	A Hor 2386/58.

327893 to 329134—Continued

328907.	A Hor 2387/60.	328949.	A Hor 2490/58.
328908.	A Hor 2388/58.	328950.	A Hor 2491/58.
328909.	A Hor 2389/58.	328951.	A Hor 2492/58.
328910.	A Hor 2390/58.	328952.	A Hor 2493/58.
328911.	A Hor 2391/58.	328953.	A Hor 2494/58.
328912.	A Hor 2392/58.	328954.	A Hor 2496/58.
328913.	A Hor 2397/61.	328955.	A Hor 2497/58.
328914.	A Hor 2398/61.	328956.	A Hor 2498/58.
328915.	A Hor 2399/58.	328957.	A Hor 2499/58.
328916.	A Hor 2400/58.	328958.	A Hor 2502/60.
328917.	A Hor 2401/58.	328959.	A Hor 2503/61.
328918.	A Hor 2402/58.	328960.	A Hor 2504/60.
328919.	A Hor 2404/58.	328961.	A S 100/60.
328920.	A Hor 2405/58.	328962.	A S 106/60.
328921.	A Hor 2407/58.	328963.	A S 107/60.
328922.	A Hor 2409/58.	328964.	A S 109/60.
328923.	A Hor 2410/58.	328965.	A S 112/60.
328924.	A Hor 2414/58.	328966.	A S 114/60.
328925.	A Hor 2415/58.	328967.	A S 115/60.
328926.	A Hor 2417/58.	328968.	A S 117/60.
328927.	A Hor 2419/58.	328969.	A S 119/60.
328928.	A Hor 2427/58.	328970.	A S 120/60.
328929.	A Hor 2441/58.	328971.	A S 121/60.
328930.	A Hor 2442/58.	328972.	A S 122/60.
328931.	A Hor 2469/59.	328973.	A S 126/60.
328932.	A Hor 2470/61.	328974.	A S 127/60.
328933.	A Hor 2471/60.	328975.	A S 129/60.
328934.	A Hor 2472/61.	328976.	A S 139/60.
328935.	A Hor 2473/61.	328977.	A S 140/60.
328936.	A Hor 2474/61.	328978.	A S 141/60.
328937.	A Hor 2476/61.	328979.	A S 144/60.
328938.	A Hor 2477/61.	328980.	A S 146/60.
328939.	A Hor 2478/61.	328981.	A S 147/60.
328940.	A Hor 2479/61.	328982.	A S 148/60.
328941.	A Hor 2480/61.	328983.	A S 152/60.
328942.	A Hor 2482/58.	328984.	A S 155/60.
328943.	A Hor 2483/58.	328985.	A S 156/60.
328944.	A Hor 2484/58.	328986.	A S 157/60.
328945.	A Hor 2486/58.	328987.	A S 160/60.
328946.	A Hor 2487/58.	328988.	A S 162/60.
328947.	A Hor 2488/58.	328989.	A S 163/60.
328948.	A Hor 2489/58.	328990.	A S 199/60.

327893 to 329134—Continued

328991.	A S 3166/61.	329033.	H Hor 1010/59.
328992.	A S 3171/61.	329034.	H Hor 1012/59.
328993.	A S 3173/61.	329035.	H Hor 1013/61.
328994.	A S 3176/61.	329036.	H Hor 1016/59.
328995.	A S 3178/61.	329037.	H Hor 1018/59.
328996.	A S 3180/61.	329038.	H Hor 1019/59.
328997.	A S 3185/61.	329039.	H Hor 1020/59.
328998.	A S 3187/61.	329040.	H Hor 1022/59.
328999.	A S 3191/61.	329041.	H Hor 1025/59.
329000.	A S 3192/61.	329042.	H Hor 1027/59.
329001.	A S 3193/61.	329043.	H Hor 1028/59.
329002..	A S 3195/61.	329044.	H Hor 1032/59.
329003.	A S 3198/61.	329045.	H Hor 1033/59.
329004.	A S 3201/61.	329046.	H Hor 1034/59.
329005.	A S 3204/61.	329047.	H Hor 1035/59.
329006.	A S 3205/61.	329048.	H Hor 1037/59.
329007.	A S 3206/61.	329049.	H Hor 1039/59.
329008.	H Hor 16/61.	329050.	H Hor 1041/59.
329009.	H Hor 401-59.	329051.	H Hor 1042/59.
329010.	H Hor 402/59.	329052.	H Hor 1043/59.
329011.	H Hor 976/59.	329053.	H Hor 1044/61.
329012.	H Hor 977/59.	329054.	H Hor 1046/59.
329013.	H Hor 978/59.	329055.	H Hor 1047/59.
329014.	H Hor 979/59.	329056.	H Hor 1048/59.
329015.	H Hor 981/59.	329057.	H Hor 1049/59.
329016.	H Hor 982/59.	329058.	H Hor 1050/58.
329017.	H Hor 985/59.	329059.	H Hor 1051/61.
329018.	H Hor 986/59.	329060.	H Hor 1052/61.
329019.	H Hor 990/59.	329061.	H Hor 1053/58.
329020.	H Hor 994/59.	329062.	H Hor 1054/61.
329021.	H Hor 995/59.	329063.	H Hor 1055/59.
329022.	H Hor 996/59.	329064.	H Hor 1056/59.
329023.	H Hor 997/59.	329065.	H Hor 1057/58.
329024.	H Hor 998/59.	329066.	H Hor 1058/59.
329025.	H Hor 999/59.	329067.	H Hor 1059/59.
329026.	H Hor 1000/59.	329068.	H Hor 1060/61.
329027.	H Hor 1001/59.	329069.	H Hor 1061/58.
329028.	H Hor 1002/59.	329070.	H Hor 1062/61.
329029.	H Hor 1003/59.	329071.	H Hor 1063/61.
329030.	H Hor 1005/59.	329072.	H Hor 1065/61.
329031.	H Hor 1007/61.	329073.	H Hor 1066/59.
329032.	H Hor 1009/59.	329074.	H Hor 1067/59.

327893 to 329134—Continued

329075. H Hor 1068/61.	329105. H Hor 1102/58.
329076. H Hor 1069/58.	329106. H Hor 1105/58.
329077. H Hor 1070/59.	329107. H Hor 1107/61.
329078. H Hor 1071/59.	329108. H Hor 1108/58.
329079. H Hor 1072/58.	329109. H Hor 1116/59.
329080. H Hor 1073/61.	329110. H Hor 1345/61.
329081. H Hor 1074/61.	329111. H Hor 1360/61.
329082. H Hor 1075/58.	329112. H Hor 1363/58.
329083. H Hor 1076-61.	329113. H Hor 2238-59.
329084. H Hor 1077/58.	329114. H Hor 2281/56.
329085. H Hor 1078/59.	329115. H Hor 2285/58.
329086. H Hor 1079/59.	329116. H Hor 2286/58.
329087. H Hor 1080/61.	329117. H Hor 2287/58.
329088. H Hor 1081/61.	329118. H Hor 2288/58.
329089. H Hor 1082/58.	329119. H Hor 2289/58.
329090. H Hor 1083/58.	329120. H Hor 2292/58.
329091. H Hor 1084/61.	329121. H Hor 2294/58.
329092. H Hor 1085/58.	329122. H Hor 2297/58.
329093. H Hor 1086/58.	329123. H Hor 2300/58.
329094. H Hor 1088/58.	329124. H Hor 2313/58.
329095. H Hor 1089/58.	329125. H Hor 2314/58.
329096. H Hor 1090/61.	329126. H Hor 2325/58.
329097. H Hor 1092/61.	329127. H Hor 2445/59.
329098. H Hor 1094/61.	329128. H Hor 2446/59.
329099. H Hor 1095/61.	329129. H Hor 2447/59.
329100. H Hor 1096/61.	329130. H Hor 2448/59.
329101. H Hor 1097/61.	329131. H Hor 2449/59.
329102. H Hor 1098/61.	329132. W Hor 305/61.
329103. H Hor 1100/58.	329133. W Hor 308/61.
329104. H Hor 1101/58.	329134. W Hor 1358/58.

329135 and 329136. ORYZA SATIVA L. Gramineae. Rice.

From the United Arab Republic. Ministry of Agriculture, Cairo, through Food and Agriculture Organization of the United Nations, Rome, Italy. Received Apr. 12, 1968.

329135. 'Arabi'.

329136. 'Nahda'.

329137 to 329149.

From Australia. Seeds presented by Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra. Received Apr. 12, 1968.

329137 and 329138. GOSSYPIUM BARBADENSE L. Malvaceae.

Sea-island cotton.

329137. Pima S-1. (PV 304)B2B6genes.

329137 to 329149—Continued

329137 and 329138—Continued

329138. Sakel.

329139 to 329149. *GOSYPIUM HIRSUTUM* L.

Upland cotton.

329139. African Albar -
SATU 66.

329140. Albar.

329145. Russian S1470.

329141. Albar B.S.

329146. Russian S3424.

329142. King Karjoski.

329147. Tadle 2 0-228 SP.

329143. Russian 1278.

329148. Tadel 3 0-229 SP.

329144. Russian 1306.

329149. Tadel 8 0-230 SP.

329150 to 329152.

From Ethiopia. Seeds collected by Robert E. Perdue, Jr., Crops Research Division, Plant Industry Station, Beltsville, Md. Received Apr. 15, 1968.

329150. *DOMBEYA* sp. Sterculiaceae.

Col. No. 9617. Sixteen km. north of Jimma, Kaffa Province, near the Agaro Road. Single tree, small.

329151. *DOMBEYA* sp.

Col. No. 9627. Forty km. southwest of Jimma, Kaca Province, in Boleta Forest, on Bonga Road. Single tree, small.

329152. *LAGENARIA ABYSSINICA* (Hook. f.) C. Jeffrey Cucurbitaceae.

Col. No. 9628. Forty km. southwest of Jimma, Kaffa Province, in Boleta Forest, on Bonga Road.

329153 to 329156. ILEX (hybrids). Aquifoliaceae.

From the United States. Selections made at the National Arboretum, United States Department of Agriculture, Washington, D. C. Received Apr. 15, 1968.

F₁ selections from *I. integra* × *I. pernyi*. Plants single-stemmed, conical, compact; leaves small, evergreen.

329153. N.A. 28261. 'Elegance'. Fruit red, colors early.

329154. N.A. 28260. 'Accent'. Excellent accent plant in landscaping. Good pollinator for 'Elegance'.

F₂ selections from *I. myrtifolia* × *I. opaca*. Plants slow growing, compact, fine textured; leaves spinose, ½ by 1¼ inches; fruit red.

329155. N.A. 28323. 'Tanager'.

329156. N.A. 28322. 'Oriole'. Fruit larger and more exposed than 'Tanager'.

329157 to 329171. LENS CULINARIS Medic. Leguminosae.**Lentil.**

From Iran. Seeds presented by Kenneth H. Evans, United States Department of Agriculture Regional Pulse Improvement Project, Tehran. Received April 15, 1968.

Large seeded.

329157. 33-071-10409. From Ardabil.

329158. 33-071-10410. From Khoy.

329159. 33-071-10411. From Moghan.

329160. 33-071-10413. From Ardabil.

329157 to 329171—Continued

329161. 33-071-10415. From Ardabil.
 329162. 33-071-10416. From Ardabil.
 329163. 33-071-10417. From Ardabil.
 329164. 33-071-10420. From Ardabil or Tabriz.
 329165. 33-071-10420a. From Ardabil or Tabriz.
 329166. 33-071-10423. From Miyaneh.
 329167. 33-071-10428. From Moghan.
 329168. 33-071-10436. From Ghazvin.
 329169. 33-071-10437. From Ghazvin.
 Small seeded. Root rot resistant.
 329170. 33-071-10885. From Esfahan.
 329171. 33-071-10903. From Esfahan.

329172. SYRINGA sp. Oleaceae. 316469

From Korea. Scions presented by Father Torrey, Hwangji, Kangvondo.
 Received Apr. 16, 1968.

329173. FRAGARIA (hybrid). Rosaceae.

From Germany. Plants presented by Reihold Hummel, Erdbaerzuchter, Stuttgart-Weilimdorf. Received Apr. 17, 1968.

'Hummi-Trisca'.

329174. ANNONA SQUAMOSA L. Annonaceae. Sugar-apple.

From Brazil. Seeds presented by K. D. Doak, IRI Research Institute, Belem, through Agriculture Attache, American Embassy, Rio de Janeiro. Received Apr. 24, 1968.

329175. RHODODENDRON HIRSUTUM L. Ericaceae. Garland rhododendron.

From Switzerland. Seeds presented by Jardin Botanique de Geneva, Geneva.
 Received Apr. 29, 1968.

329176 to 329182. ORYZA SATIVA L. Gramineae. Rice.

From India. Seeds presented by A. Abraham, University of Kerala, Trivandrum, under Public Law Project A7-CR-178. Received Mar. 12, 1968.
 Numbered Apr. 29, 1968.

Planted after onset of monsoon.

329176. No. 0.6701. 'Ovuvadakkan'. Naduvathumuzhi Range.

Elevation 500 feet. June to October.

329177. No. 0.6702. 'Padannavella'. Kurulai Range.

Elevation 250 feet. June to September.

329178. No. 0.6703. 'Vadakkan'. Naduvathumuzhi Range.

Elevation 500 feet. June to October.

329179. No. 0.6704. 'Araekurruka'. Naduvathumuzhi Range.

Elevation 500 feet. June to October.

329180. No. 0.6705. Naduvathumuzhi Range.

Elevation 500 feet. June to October.

329181. No. 0.6706. 'Parambancheera'. Vazhadael Range.

Elevation 1,000 feet. June to July.

329176 to 329182—Continued

329182. No. 0.6707. 'Mundanperuvaka'. Vazhadeal Range.
Elevation 1,000 feet. Planted in May; 150 days to maturity.

329183 to 329195. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From El Salvador. Seeds presented by C. L. Horn, United States Department of Agriculture-Agency for International Development Technical Assistance Agreement, Sal Salvador. Numbered Apr. 29, 1968.

329183. 'Cuba 2032'.	329190. 'G 5'.
329184. 'Java Red'.	329191. 'G 36-11'.
329185. 'Master Fiber'.	329192. 'G 37'.
329186. 'Puna'.	329193. 'G 45'.
329187. 'Sudan Late'.	329194. 'G 65'.
329188. 'Taituna Green'.	329195. 'URS 475'.
329189. 'Taiwan Green'.	

329196 to 329203.

From the Netherlands. Seeds presented by N. V. Koninklijke, Zaadettlt en Zaadhandel, Sluis & Groot, Enkhuizen. Received Apr. 29, 1968.

329196 to 329202. BRASSICA OLERACEA var. CAPITATA L. Cruciferae.
Cabbage.

329196. 'Continental'. White.
329197. 'Erfura Fine Bloodred'. Red.
329198. 'Hendersons Succession'. White.
329199. 'Norwegian'. Savoy.
329200. 'Urecht'. Red.
329201. 'Vaurigard'. White.
329202. 'Zenith'. Red.

329203. BRASSICA OLERACEA var. GEMMIFERA DC. Cruciferae.
Brussels sprout.
'Catskill'.

329204 to 329207.

From the Union of Soviet Socialist Republics. Seeds presented by All-Union Institute of Plant Industry, Leningrad. Received Apr. 29, 1968.

329204. ANABASIS APHYLLA L. Chenopodiaceae.
329205. HIBISCUS CANNABINUS L. Malvaceae. **Kenaf.**
K-432. 021.
329206 and 329207. NICOTIANA TABACUM L. Solanaceae. **Tobacco.**
329206. 'Immune 580'.
329207. 'Immune 580 MS'.

329208 to 329219.

From Germany. Seeds purchased from Teicher-Saaten, Poggenhagen/Hann. uber Wunstorf. Received Apr. 29, 1968.

329208 to 329215. BEGONIA SEMPERFLORENS Link & Otto Begoniaceae.
F₁ hybrids.
329208. No. 2028. 'Gloriette'.

329208 to 329219—Continued**329208 to 329215—Continued**

329209. No. 2044. 'Rotes Wonder 68'.

329210. No. 2046. 'Ramona'.

329211. No. 2048. 'Ibis'.

329212. No. 2051. 'Turkenblut'.

329213. No. 2054. 'Patria'.

329214. No. 2056. 'Polly'.

329215. No. 2058. 'Steffi'.

329216 and 329217. CALCEOLARIA HERBEOHYBRIDA Voss Scrophalariaceae.

329216. No. 2321. 'Reingoldgelb'.

329217. No. 2324. 'Kupferrot'.

329218 and 329219. SENECIO (hybrid). Compositae.

329218. No. 4320. 'Weiss'.

329219. No. 4336. 'Kornblumenblau'.

329220. HORDEUM DISTICHON L. Gramineae.**Two-rowed barley.**

From Australia. Seeds presented by H. J. Sims, Department of Agriculture, State Research Farm, Victoria. Received Apr. 30, 1968.

'Weeah'.

329221 and 329222. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Uganda. Tubers presented by R. J. DeSouza, Kampala. Received May 1, 1968.

329221. B-53. Smooth skin.

329222. RW-2. Rough skin.

329223. ARACHIS HYPOGAEA L. Leguminosae.

From West Indies. Seeds presented by E.G.B. Gooding, Barbados Sugar Producers Association, Barbados. Received May 3, 1968.

329224 to 329227. ARACHIS HYPOGAEA L. Leguminosae.

From Brazil. Seeds collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Georgia. Received May 3, 1968.

Presented by Institute of Agronomy, Campinas, Sao Paulo.

329224. Col. No. 4. 'Roxo 40'. Valencia, testa red.

329225. Col. No. 5. 'Albo'. Testa white.

329226. Col. No. 6. 'Preta Marilia'. Valencia, testa purple.

329227. Col. No. 7. 'Tatu 53'.

329228 and 329229. ZEA MAYS L. Gramineae.**Corn.**

From Kenya. Seeds presented by Senior Maize Research Officer, Maize Research Station, Kitale. Received May 10, 1968.

329228. CBK I (1-8).

329229. Kat (V × VI).

- 329230 and 329231. TRITICUM AESTIVUM L. Gramineae. Common wheat.**
 From Australia. Seeds presented by University of Sydney, New South Wales. Received May 13, 1968.
329230. W 3123. 'Gamut'. Cross No. SU II.58.316. Gabo 3x5 Gabo × Mentana 2x2 Gabo × Kenya 117a (Gamenya W2550) 4x Gabo 54.
329231. W 3128. 'Timgalen'. Cross No. SU II.58.226. Aguilera × Kenya 2x Marroqui × Supremo 3x Gabo (IRN.57.145) 4x Winglen.
- 329232. TRITICUM AESTIVUM L. Gramineae. Common wheat.**
 From the Netherlands. Seeds presented by A. C. Zeven, Instituut Voor Plantenveredeling, Wageningen. Received May 13, 1968.
 'Tadepi'. French variety, bred by Benoist, from cross 'Hybride de Jonquois' × 'Benoist 40'. Winter type.
- 329233 to 329235. TRITICUM AESTIVUM L. Gramineae. Common wheat.**
 From Lebanon. Seeds presented by W. W. Worzella, American University of Beirut, Beirut, through C. O. Qualset, University of California, Davis, Calif. Received May 13, 1968.
 Tall straw; adapted to 14 to 18 inches rainfall. November to June growing period.
329233. 'Florence Aurore'.
329234. 'Mishragani'.
329235. 'Najah'.
- 329236 to 329239. ORYZA SATIVA L. Gramineae. Rice.**
 From Taiwan. Seeds presented by the Taiwan Agricultural Research Institute, Taipei. Received May 13, 1968.
329236. 'Dee-geo-woo-gen'. **329238.** 'Taichung Line No. 116'.
329237. 'Taichung Indica No. 2'. **329239.** 'Taichung No. 186'.
- 329240 and 329241. ORYZA SATIVA L. Gramineae. Rice.**
 From Japan. Seeds presented by Ministry of Agriculture and Forestry, Kasumigaseki, Chiyoda-ku, Tokyo. Numbered May 13, 1968.
329240. 'Kanto 77'.
329241. 'Nihonbare'.
- 329242 and 329243.**
 From Australia. Seeds presented by Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra. Numbered May 13, 1968.
329242. LOTUS CORNICULATUS L. Leguminosae. Birdsfoot trefoil.
 C.P.I. 27967.
329243. PHALARIS ARUNDINACEA L. Gramineae. Reed canarygrass.
 C.P.I. 27961. Argentina.
- 329244. TRITICUM AESTIVUM L. Gramineae. Common wheat.**
 From India. Seeds presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Numbered May 13, 1968.
 'Sharbati Sonora'.

329245. PHASEOLUS sp. Leguminosae.

From Mexico. Seeds collected by S. Miranda for H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered May 13, 1968.

Col. No. 22489. Km. 52 Mexico-Cuernavaca Highway. Elevation 7,800 feet. Lava thicket. Small, fine, climbing, perennial vine, enlarged roots, large flowers.

329246. CAPSICUM ANNUUM L. Solanaceae. Pimento.

From Argentina. Seeds presented by Instituto Nacional de Tecnologia Agropecuaria, Castelar. Numbered May 13, 1968.

'Magnif Ambato'. ('Magnif Ambato' × 'Yolo Wonder L'). F₅ line resistant to potato virus Y.

329247. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

From the United States. Seeds increased at United States Plant Introduction Station, Glenn Dale, Md. Original seed collected by Oliver Norvell, Palo Alto, Calif. Numbered May 13, 1968.

Col. No. M 7016. Mascota, Jalisco, Mexico.

329248. KALANCHOE sp. Crassulaceae.

From Australia. Cuttings presented by Adelaide Botanic Garden, Adelaide. Numbered May 13, 1968.

'Brilliant Star'.

329249. EUCALYPTUS TORQUATA Luehm. Myrtaceae.

From Australia. Seeds presented by D. W. Shoobridge, Parks and Gardens, Department of Interior, Canberra, A.C.T. Numbered May 13, 1968.

329250 to 330302.

From Ethiopia. Seeds collected in September–November 1967 by B. M. Leese and L. V. Peters, Crops Research Division, United States Department of Agriculture, Beltsville, Md., and K.O. Rachie, Rockefeller Foundation, New York, N. Y. Numbered May 2, 1968.

329250 to 329252. SORGHUM ARUNDINACEUM (Willd.) Stapf Gramineae. Kamerun grass.

329250. Col. No. R-136. 'Adar'. Tessenei, Societe Imprese Africane.

329251. Col. No. R-319. Nine km. south of Dejen, Blue Nile Gorge. Elevation 2,100 m.

329252. Col. No. 613-B. Forty-four km. north of Assella. Elevation 1,700 m. Plants 9 m. high.

329253 to 330270. SORGHUM BICOLOR (L.) Moench Gramineae.

Market in Addis Ababa, Shoa Province.

329253. Col. No. 1-B. This material reportedly harvested in Tigre Province. Seed white corneous, mixed red corneous, and brown shallu type.

329254. Col. No. 2-B. Large seeded durra type.

329255. Col. No. 3-B. Reddish-brown seeded type, similar to hegari.

329256. Col. No. 4-B. Reportedly harvested near Asmara, Eritrea Province. Mixture of 3 seed colors types and 2 endosperm types.

329257. Col. No. 6-B. Uniform with thin pericarp; endosperm chalky. Preferred for grinding.

329258. Col. No. 7-B. Mixture of two distinct types. White seed has dark mesocarp.

329250 to 330302—Continued**329253 to 330270—Continued**

- 329259.** Col. No. 8-B. Local name Zengada. Seed larger than hegari, uniform; red.
- 329260.** Col. No. 17-B. Local name Mashila. Ninety km. east of Nazareth. Elevation 1,100 m. Seeds yellow, awned.
- 329261.** Col. No. 18-B. Local name Mashila. Elevation 1,100 m. Head spreading; seed reddish brown; glumes glabrescent.
- 329262.** Col. No. 19-B. Elevation 1,100 m. Head spreading; seeds reddish brown, glabrescent.
- 329263.** Col. No. 20-B. One hundred fifty km. east of Nazareth. Elevation 1,100 m. Awns deciduous; seeds red.
- 329264.** Col. No. 21-B. Local name Mashila. One hundred seventy-two km. east of Nazareth. Elevation 1,400 m. Recurved; seeds pearly, reddish; glumes glabrescent.
- 329265.** Col. No. 22-B. Local name Mashila. One hundred eighty-seven km. east of Nazareth. Elevation 1,550 m. Recurved; seeds pearly, reddish-yellow.
- 329266.** Col. No. 23-B. Local name Mashila. Elevation 200 km. Seed very large; semicompact; head recurved.
- 329267.** Col. No. 24-B. Two hundred km. east of Nazareth. Glumes glabrous, seeds cocoa color, semicompact, medium large.
- 329268.** Col. No. 25-B. Two hundred km. east of Nazareth. Elevation 1,450 m. Head 38 cm. long; seed very long, lightly awned, slightly flattened, amber, pearly.
- 329269.** Col. No. 26-B. On road to Alemaya, 210 km. east of Nazareth. Plant to 3 m. high; head cylindrical, semicompact; seed light brown, pearly; glume chocolate color.
- 329270.** Col. No. 27-B. On road to Alemaya, 210 km. east of Nazareth. Elevation 1,600 m. Head large, obovate, compact, seed clustered, white, pearly, slightly flattened; glumes short, coriaceous.
- 329271.** Col. No. 28-B. Two hundred eight km. east of Nazareth. Elevation 1,600 m. Heads long, cylindrical, semi-open; seed medium, light brown; glumes semicoriaceous, dark purple.
- 329272.** Col. No. 29-B. Two hundred eight km. east of Nazareth. Elevation 1,600 m. Seeds reddish yellow, pearly, glumes short, awns obscure.
- 329273.** Col. No. 32-B. Two hundred fifteen km. east of Nazareth. Elevation 1,600 m. Compact; head obovate, recurved; seed medium; glumes short.
- Two km. north of Mieso, Harrar Province.
- 329274.** Col. No. 34-B. Head large, obovate, open; seed white, pearly.
- 329275.** Col. No. 35-B. Plant 2.4 m. high; head large, obovate, spreading; glume straw colored; seed white, pearly, medium.
- 329276.** Col. No. 36-B. Head ovate, large, compact clustered; glume short; seed white, pearly.
- Fifteen km. north of Mieso, Harrar Province. Elevation 1,700 m.
- 329277.** Col. No. 38-B. Head obovate; glume short; seed medium, flattened, yellow, pearly.
- 329278.** Col. No. 39-B. Head obovate, semicompact to semi-open; glume medium short, straw colored; seed white, pearly, awned.

329250 to 330302—Continued

329253 to 330270—Continued

329279. Col. No. 40-B. Head long cylindrical, semi-open to semicom-
pact; glume medium short; seed deep red, pearly, awned.

Ten km. northeast of Asbe Tafari, Harrar Province. Elevation 2,300 m.

329280. Col. No. 41-B. Hegari type; glume medium long, exceed one-
half of seed; seed reddish brown, awned.

329281. Col. No. 42-B. Head ovate, compact; glume medium long,
awned; seed reddish brown.

329282. Col. No. 43-B. Head lanceolate, compact; glume chocolate
color, membranous apex; seed deep red, awned.

Market in Dire Dawa, Harrar Province.

329283. Col. N. 46-B. Local name Mashila. Seed mixed white and
brown, pearly.

329284. Col. No. 47-B. Local name Mashila.

329285. Col. No. 48-B. Seed mixed white, yellow, red.

329286. Col. No. 49-B. Seed color variable.

329287. Col. No. 51-B. Seed white, pearly, uniform, good quality.

329288. Col. No. 52-B. Glume dark purple; seed dark brown, uniform.

329289. Col. No. 53-B. Seed mixed.

329290. Col. No. 54-B. Seed pearly type.

329291. Col. No. 56-B. Experimental plots, His Imperial Majesty Agri-
cultural College, Alemaya, Harrar Province. Appears to be an outcross
with *S. nigricans*. Seed shatters.

Market in Harrar, Harrar Province.

329292. Col. No. 58-B. Seed light tan, pearly, good quality.

329293. Col. No. 59-B. Seed similar to P.I. 329292, good quality.

329294. Col. No. 60-B. Seed brown and white.

329295. Col. No. 68-B. Seed mixed.

329296. Col. No. 69-B. Seed pearly, uniform.

329297. Col. No. 70-B. Seed mixed.

329298. Col. No. 71-B. Seed mixed.

Fadis Valley outside of Dire Dawa, Harrar Province. Elevation 1,600 m.

329299. Col. No. 74-B. Plant to 1.8 m. high; seed white with brown
undercoat; reportedly bird resistant.

329300. Col. No. 75-B. Seed brown.

329301. Col. No. 76-B. Similar to P.I. 329300.

Thirty km. south of Dire Dawa, Hurso, Harrar Province. Elevation
1,200 m. Durra type.

329302. Col. No. 81-B. Plant to 1.5 m. high; head ovate, compact;
awns obscure, small; glumes short; seed white, pearly, clustered.

329303. Col. No. 82-B. Head medium large, ovate; apex blunt, compact,
strongly clustered; glume short; awn obscure; seed medium, yellow,
pearly.

329304. Col. No. 83-B. Head large, obovate cylindrical, compact,
clustered; glume short; awn obscure; seed medium large, yellow, pearly.

329250 to 330302—Continued**329253 to 330270—Continued**

329305. Col. No. 84-B. Head medium, ovate; apex blunt, compact, awns obscure; glumes one-third of seed; seed medium, clustered, amber, pearly, corneous; peduncle recurved.

329306. Col. No. 91-B. Head medium, compact, lanceolate, clustered; glumes short; seed medium, yellow, pearly.

329307. Col. No. 92-B. Head large, compact; apex blunt; glume short, red; seed white, pearly, recurved, clustered.

329308. Col. No. 93-B. Head medium, ovate; apex blunt, compact, clustered, awned; seed medium, yellow, pearly.

Market in Errer.

329309. Col. No. 94-B. Seed medium large, range from red to pearly white.

329310. Col. No. 95-B. Seed slightly mixed, medium large, yellow, pearly.

In valley near Moullou, Harrar Province. Elevation 1,400 m.

329311. Col. No. 101-B. Head medium, ovate, lanceolate, compact; awns obscure; glume short; seed medium large, clustered, yellow.

329312. Col. No. 102-B. Head medium, very compact; awns short; seed medium large, white, pearly; excellent quality.

329313. Col. No. 103-B. Near Awash Station, Harrar Province. Head open, spreading; glumes variable color.

329314. Col. No. 104-B. Dry riverbed between Mieso and Awash Station, Harrar Province. Composite sample; glumes variable.

329315. Col. No. 118-B. Seventy-three km. west of Addis Ababa past Addis Alem, Shoa Province. Plants 1.5 to 3.0 m. high; head open; glume purple; seed red. Early.

Three km. west of Ambo, Shoa Province. Elevation 2,100 m.

329316. Col. No. 119-B. Head semicompact; glumes chocolate; seed reddish, small.

329317. Col. No. 120-B. Head open; apex blunt; glumes purple; awned; seed small.

329318. Col. No. 121-B. Heads semi-open, cylindrical, 0.3 m. long; glumes chocolate; awned; seed medium.

Ten km. west of Ambo near Guder, Shoa Province. Elevation 2,100 m.

329319. Col. No. 122-B. Head open; glumes purple, awned; seed medium large.

329320. Col. No. 123-B. Head spreading; awned; seed light brown.

329321. Col. No. 124-B. Head compact; glumes chocolate, awned; seed small.

Three km. west of Guder, Shoa Province. Elevation 2,400 m.

329322. Col. No. 126-B. Head open; glumes pigmented, awned; seed medium large.

329323. Col. No. 127-B. Head semicompact; glumes red purple, awned; seed small, brown.

Near Gimmi, east of Bako, Shoa Province. Elevation 2,100 m.

329324. Col. No. 128-B. Head semicompact; glumes awned; seeds small.

329250 to 330302—Continued**329253 to 330270—Continued**

- 329325.** Col. No. 129-B. Heads semicompact; glumes mahogany, awned; seeds small.
- 329326.** Col. No. 130-B. Plants to 5.4 m. high with 18 nodes; heads open; glumes mahogany, awned; seed nearly covered by glumes.
- 329327.** Col. No. 131-B. Plants to 5.4 m. high with 18 nodes; heads open; glumes straw colored, awned; seeds light tan.
- 329328.** Col. No. 132-B. Similar to P.I. 329327 except glumes slightly pigmented.

Ethiopia-German Agricultural Experiment Station, Bako, Shoa Province. Elevation 1,600 m.

- 329329.** Col. No. 133-B. Head spreading to semicompact; glumes mahogany, awned; seed medium, red.
- 329330.** Col. oN. 134-B. Head open; glumes black, one-half of seed, awned; seed medium large, brown.
- 329331.** Col. No. 135-B. Head semicompact; glumes chocolate, one-half of seed, awned; seed medium large, brown.
- 329332.** Col. No. 136-B. Head semispreading; glumes black, one-third of seed; seed red.
- North of Robi, Shoa Province. Elevation 1,400 m. Local name Mashila.
- 329333.** Col. No. 140-B. Head medium long, compact, cylindrical to lanceolate; glumes short, purple; seed medium white, turtleback, semi-clustered.
- 329334.** Col. No. 142-B. Head medium, open; glumes long, geniculate, shatters; seed broadly ovate.
- 329335.** Col. No. 143-B. Head long, semicompact, cylindrical to lanceolate; glumes medium long; tan, transverse wrinkled seed medium, light reddish brown, semiglobose, clustered.
- 329336.** Col. No. 144-B. Head medium, semicompact to semi-open; glumes short, tan to chocolate, transverse wrinkled seed medium, white; turtleback.
- 329337.** Col. No. 145-B. Head short, semicompact; glumes long, awns medium.
- 329338.** Col. No. 146-B. Head medium, open; glumes sienna to chocolate; awns obscure. Shatters.
- 329339.** Col. No. 149-B. Glumes sienna, tomentose.
- 329340.** Col. No. 150-B. Head medium, semicompact, cylindrical, to lanceolate; glumes short, purple; seed medium, white, turtleback. Durra type.
- 329341.** Col. No. 151-B. Head medium, very compact, ovate, cylindrical; glumes short, tan, transverse wrinkled. Durra type.
- 329342.** Col. No. 152-B. Head long, large, semicompact, cylindrical to lanceolate; glumes short, sienna-tan, transverse wrinkled; awns prominent; seed long, yellow.
- 329343.** Col. No. 153-B. Head semicompact to semi-open, cylindrical to lanceolate; glumes long, purple; seed medium large, white. Durra type.
- 329344.** Col. No. 154-B. Head medium small, semi-open, ovate to lanceolate; glumes medium, red to mahogany; awns prominent; seed medium, reddish brown. Durra type.
- 329345.** Col. No. 155-B. Glumes tan, sienna, purple.

329250 to 330302—Continued**329253 to 330270—Continued**

- 329346.** Col. No. 156-B. Head medium small, semicompact, cylindrical; glumes medium small, straw color; awns medium long; seed medium large. Durra type.
- 329347.** Col. No. 157-B. Head medium, semicompact to semi-open, cylindrical; glumes medium small, straw color, transverse wrinkled; awns medium long; seed medium large, brown. Durra type.
- 329348.** Col. No. 158-B. Head small, compact, ovate, cylindrical; glumes short, straw color; seed medium, white. Durra type.
- 329349.** Col. No. 159-B. Head medium; glumes long, mahogany, tomentose; awns medium long; seed medium, reddish brown.
- 329350.** Col. No. 160-B. Glumes sienna.
- 329351.** Col. No. 162-B. Eleven km. north of Sambete. Elevation 1,500 m. Head large, open; glumes long; awns medium short; seed medium, reddish brown.
- South of Kembolcha, Shoa Province. Elevation 1,500 m. Local name Mashila.
- 329352.** Col. No. 163-B. Head medium large; glumes long, dark purple, persistent; awns medium long; seed medium.
- 329353.** Col. No. 164-B. Glumes straw color and purple.
- 329354.** Col. No. 165-B. Head medium, compact, obovate to lanceolate; glumes short, mahogany; seed medium, reddish brown, clustered.
- 329355.** Col. No. 166-B. Head very compact, ovate; glumes short, straw color; awns short; seed medium, yellow. Durra type.
- 329356.** Col. No. 167-B. Head medium, semicompact to semi-open, cylindrical to lanceolate; glumes medium, transverse wrinkled; awns medium long; seed medium, reddish brown.
- 329357.** Col. No. 168-B. Head medium, very compact, ovate; glumes short, dark purple; seed medium, reddish brown. Durra type.
- 329358.** Col. No. 170-B. Head medium, semicompact, cylindrical to lanceolate; glumes short, purple; seed medium large, white turtleback.
- 329359.** Col. No. 171-B. Head medium, compact, ovate; glumes short, purple; seed medium, red. Durra type.
- 329360.** Col. No. 172-B. Head medium; glumes short, purple; seed medium small, brownish red, turtleback, clustered.
- 329361.** Col. No. 173-B. Head medium, semicompact; glumes short, purple, seed medium large, white, clustered.
- 329362.** Col. No. 174-B. Head medium long; glumes medium short, purple; seed medium, reddish brown, turtleback; clustered.
- 329363.** Col. No. 175-B. Head large, ovate; glumes medium to long, dark purple; seed medium, reddish brown. Durra type.
- 329364.** Col. No. 177-B. Head large and long, semicompact to compact, cylindrical to lanceolate; glumes medium, mahogany, transverse wrinkled; seed medium large, yellowish red. Durra type.
- 329365.** Col. No. 178-B. Head very large, very compact; glumes short, purple; seed medium large, yellow, clustered. Durra type.
- 329366.** Col. No. 179-B. Head very large, very compact; glumes short, mahogany; seed medium, yellow, clustered. Durra type.
- 329367.** Col. No. 180-B. Head large, semicompact, ovate; glumes very long, dark purple, awns medium long; seed dark brown, medium small.

329250 to 330302—Continued

329253 to 330270—Continued

329368. Col. No. 181-B. Head large, semicompact; glumes short, sienna; seed medium large, white, turtleback, clustered. Durra type.
329369. Col. No. 182-B. Head large, open; glumes long, purple, persistent; awns long; seed medium, purple, brown. Shatters.
329370. Col. No. 183-B. Head medium, compact, ovate; glumes short, purple, seed medium large, brownish, semiclustered. Durra type.
329371. Col. No. 184-B. Glumes long, dark purple to mahogany, persistent; seed dark brown.
329372. Col. No. 185-B. Glumes long, sienna, persistent; awns long.
329373. Col. No. 186-B. Head large; glumes short, mahogany; seed medium small, brown, turtleback, clustered.
329374. Col. No. 188-B. Head long, open; glumes long, sienna, prominent pedicelled florets; awns obscure; seed medium small.
329375. Col. No. 189-B. Head medium small, semicompact to semi-open, ovate; glumes short, purple, tomentose; awns medium; seed medium, yellow, globose.
329376. Col. No. 190-B. Head medium small, semicompact to semi-open, cylindrical to lanceolate; glumes mahogany to purple; seed medium; reddish brown. Durra type.
329377. Col. No. 191-B. Head medium large, semicompact, ovate; glumes short, straw color; awns obscure; seed medium large, brown, semi globose, semiclustered. Durra type.
329378. Col. No. 192-B. Head large, semicompact, ovate; glumes short, mahogany, transverse wrinkled; seed large, reddish yellow, clustered.
329379. Col. No. 193-B. Glumes dark purple; awns long. Shatters.
329380. Col. No. 194-B. Head large, semicompact to semi-open, ovate to cylindrical; glumes medium, purple, transverse wrinkled; seed medium, reddish brown.
329381. Col. No. 195-B. Glumes tan; awns long.
329382. Col. No. 197-B. Head medium, semicompact to semi-open; glumes short, mahogany; awns medium small; seed small, reddish brown, semiclustered. Durra type.
329383. Col. No. 198-B. Head medium, semicompact, ovate; glumes short, mahogany; seed medium small, dark red clustered. Durra type.
329384. Col. No. 200-B. Head medium small, semicompact to semi-open, ovate to cylindrical; glumes short, mahogany; awns obscure; seed small, reddish brown. Durra type.
329385. Col. No. 202-B. Ten km. west of Kembolcha, Shoa Province. Local name Mashila. Head medium large, semicompact, lanceolate; glumes short, dark mahogany; seed medium small, reddish purple, globose; semiclustered. Durra type.
329386. Col. No. 203-B. Five km. east of Kembolcha, Shoa Province. Elevation 1,800 m. Local name Mashila. Head medium, semicompact to semi-open, cylindrical to lanceolate; glumes short, tan, transverse wrinkled; seed medium large, yellow.
329387. Col. No. 204-B. Five km. east of Kembolcha, Shoa Province. Elevation 1,800 m. Local name Mashila. Head medium large, semicompact to semi-open, cylindrical to lanceolate; glumes short, tan transverse wrinkled; awns medium; seed medium, white.
- Near Bati, Wollo Province. Elevation 1,000 m. Local name Mashila.

329250 to 330302—Continued**329253 to 330270—Continued**

329388. Col. 205-B. Head very large, long, semicompact, lanceolate; glumes short, sienna, transverse wrinkled; awns obscure; seed large.
329389. Col. No. 206-B. Head medium, compact, ovate, 12 cm. long; glumes short, straw color, transverse wrinkled; awns short; seed medium. Durra type.
329390. Col. No. 207-B. Head medium, semicompact, ovate to lanceolate; glumes short, tan, transverse wrinkled; seed medium large, clustered.
329391. Col. No. 208-B. Head medium large, very compact, ovate; glumes short, mahogany, transverse wrinkled; seed medium, yellowish red, clustered.
329392. Col. No. 209-B. Head large, semicompact to semi-open, ovate to lanceolate; glumes short, mahogany, tomentose; seed medium, clustered.
329393. Col. No. 211-B. Head very large, long, open to semicompact, ovate to lanceolate; glumes short, tan, transverse wrinkled; awns obscure; seed large, white.
329394. Col. No. 212-B. Head medium small, very compact, ovate; glumes short, reddish; seed medium, yellowish brown, clustered. Durra type.
329395. Col. No. 213-B. Head medium, compact, ovate to lanceolate; glumes short, tan, transverse wrinkled; seed medium large, clustered. Durra type.
329396. Col. No. 216-B. Head medium large, semi-open to semicompact, ovate; glumes short, mahogany, transverse wrinkled; seed medium, reddish brown. Durra type.
329397. Col. No. 217-B. Head large, semicompact to compact, ovate; glumes short, tan, transverse wrinkled; seed medium large, clustered. Durra type.
329398. Col. No. 219-B. Head medium, compact to very compact, ovate; glumes short, mahogany; seed medium, yellow, clustered. Durra type.
329399. Col. No. 222-B. Head medium large, very compact, ovate; glumes short, tan; seed medium large, yellow. Durra type.
329400. Col. No. 223-B. Head medium, semicompact, cylindrical to lanceolate; glumes short, mahogany, transverse wrinkled; seed small, red, clustered.
- Near Dessie, Wollo Province. Local name Mashila.
329401. Col. No. 224-B. Elevation 2,400 m. Head small, semicompact, cylindrical to ovate; glumes medium long, mahogany; awns long; seed medium small, reddish brown. Durra type.
329402. Col. No. 225-B. Elevation 2,600 m. Head medium, semicompact; glumes short, mahogany; awns prominent; seed medium small, red, clustered. Durra type.
329403. Col. No. 226-B. Elevation 2,100 m. Head medium small, semicompact; glumes short, mahogany; awns medium; seed medium, black, globose. Durra type.
329404. Col. No. 227-B. Elevation 1,670 m. Plant 2.5 m. high. Head small, compact, ovate, 10 cm. long; glumes short, tan; awns medium; seed medium, yellow. Durra type.
329405. Col. No. 228-B. Elevation 2,200 m. Head medium, compact, ovate; glumes short, mahogany; awns obscure; seed medium, red, clustered. Durra type.

329250 to 330302—Continued**329253 to 330270—Continued**

- 329406.** Col. No. 230-B. Elevation 1,670 m. Head medium, very compact, ovate; glumes short, tan; seed medium, clustered. Durra type.
- 329407.** Col. No. 231-B. Elevation 1,670 m. Head medium, semicompact; glumes short, tan; seed medium, globose. Durra type.
- 329408.** Col. No. 232-B. Elevation 2,100 m. Head medium small, semicompact; glumes short, mahogany; awns obscure; seed medium small, reddish brown. Durra type.
- 329409.** Col. No. 233-B. Head medium, semicompact, ovate to lanceolate; glumes medium short, mahogany; awns medium, seed medium large, red.
- 329410.** Col. No. 234-B. Elevation 1,670 m. Head medium, semicompact, ovate to cylindrical; glumes medium short, mahogany; seed medium large, reddish purple, clustered. Durra type.
- 329411.** Col. No. 235-B. Elevation 1,650 m. Head medium, semicompact; glumes short, tan; awns obscure; seed medium large, yellow, clustered. Durra type.
- 329412.** Col. No. 236-B. Elevation 1,650 m. Head medium to medium large, semicompact, lanceolate; glumes short, tan; awns very obscure; seed medium large, white, globose. Durra type.
- 329413.** Col. No. 237-B. Elevation 1,650 m. Head small, compact, lanceolate; glumes short, tan; awns very obscure; seed medium, white and red, clustered. Durra type.
- 329414.** Col. No. 238-B. Elevation 1,650 m. Head medium, semicompact to compact, cylindrical to lanceolate; glumes short, mahogany and tan, transverse wrinkled; awns inconspicuous; seed medium small, red, clustered.
- 329415.** Col. No. 239-B. Elevation 1,570 m. Head medium large, compact to very compact; glumes short, straw color; awns inconspicuous; seed medium; clustered.
- 329416.** Col. No. 240-B. Elevation 1,570 m. Head medium, semicompact; glumes short, purple, transverse wrinkled; awns inconspicuous; seed medium, dark brown; clustered.
- 329417.** Col. No. 241-B. Elevation 1,570 m. Head medium, large, semicompact; glumes short, purple and tan fringe, transverse wrinkled; awns inconspicuous; seed medium small, reddish brown, clustered.
- North of Wechale. Elevation 1,700 m. Local name Mashila.
- 329418.** Col. No. 242-B. Head medium, semicompact, cylindrical to lanceolate; glumes medium short, tan, transverse wrinkled; awns medium; seed medium, white, clustered. Durra type.
- 329419.** Col. No. 243-B. Head medium small, compact; glumes short, tan, transverse wrinkled; seed medium, reddish brown; clustered. Durra type.
- 329420.** Col. No. 244-B. Head medium, compact to very compact, ovate; glumes short, tan, transverse wrinkled; seed medium, globose. Durra type.
- 329421.** Col. No. 245-B. Head medium, semicompact; glumes medium short, mahogany, transverse wrinkled; seed medium large, gray brown, globose.
- 329422.** Col. No. 246-B. Head medium, compact; glumes short, mahogany, seed medium, yellow, globose. Durra type.

329250 to 330302—Continued**329253 to 330270—Continued**

- 329423.** Col. No. 248-B. Head large, semicompact to compact; glumes short, chocolate and tan, transverse wrinkled; awns very obscure; seed large, reddish yellow. Durra type.
- 329424.** Col. No. 249-B. Head large, semi-open to open; glumes medium, tan and purple, transverse wrinkled; awns medium; seed medium, white, globose.
- 329425.** Col. No. 250-B. Head small, compact, ovate; glumes short, tan; seed medium large, white, globose. Durra type.
- 329426.** Col. No. 251-B. Head medium large, compact to semicompact, cylindrical to lanceolate; glumes short, tan; seed medium large, white, globose, clustered. Durra type.
- 329427.** Col. No. 252-B. Head very large, compact, ovate; glumes short, mahogany and tan, transverse wrinkled; awns very inconspicuous; seed medium large, yellow, clustered.
- 329428.** Col. No. 253-B. Head medium large, semicompact to compact, ovate to cylindrical; glumes short, mahogany and tan, transverse wrinkled; awns inconspicuous; seed medium large to large, gray brown.
- 329429.** Col. No. 255-B. Head medium long, semicompact, cylindrical to lanceolate; glumes short, chocolate and tan; seed medium large, red, globose, semiclustered.
- 329430.** Col. No. 257-B. Head medium, compact; glumes short, mahogany, transverse wrinkled; awns inconspicuous; seed medium small, dark red, globose, clustered.
- 329431.** Col. No. 258-B. Head medium large, semicompact, cylindrical to lanceolate; glumes medium short, purple and tan, transverse wrinkled; awns inconspicuous; seed medium large, white, ovate, semiclustered.

Market in Asmara, Eritrea Province. Local name Mashila.

- 329432.** Col. No. 260-B. Seed composite, red, yellow, amber.
- 329433.** Col. No. 261-B. Seed medium small, gray.
- 329434.** Col. No. 262-B. Seed medium small, white.
- 329435.** Col. No. 263-B. Seed medium small, white.
- 329436.** Col. No. 264-B. Seed medium.
- 329437.** Col. No. 265-B. Seed medium small, reddish brown.
- 329438.** Col. No. 266-B. Seed medium small, reddish.
- 329439.** Col. No. 267-B. Seed medium, light red, light yellow and white.
- 329440.** Col. No. 268-B. Seed medium large.
- 329441.** Col. No. 269-B. Seed medium small, white.

South of Asmara, Eritrea Province. Elevation 2,000 m.

- 329442.** Col. No. 297-B. Head semicompact, cylindrical, 20 cm. long; glumes one-half of seed, reddish purple, awned; seed medium small, pearly.
- 329443.** Col. No. 298-B. Head semiloose, cylindrical, 20 cm. long; glumes chocolate, two-thirds of seed, awns obscure; seed medium small, brown.
- 329444.** Col. No. 299-B. Head semicompact, cylindrical, 15 cm. long; glumes one-half of seed, straw colored, awned; seed white, pearly.
- 329445.** Col. No. 300-B. Head semicompact, cylindrical, 25 cm. long; glumes two-thirds of seed, tan, awned; seed medium small, light brown.

329250 to 330302—Continued**329253 to 330270—Continued**

329446. Col. No. 301-B. Head open; 30 cm. long; glumes cover seed, reddish purple, awned; seed small brown.
329447. Col. No. 302-B. Head semicompact, 20 cm. long; glumes one-third of seed, straw to chocolate color; seed medium large, white, chalky to pearly, clustered.
329448. Col. No. 303-B. Head semi-compact, cylindrical, 12 cm. long; glumes one-third of seed, tan, chocolate base, awned; seed medium large brown.
329449. Col. No. 304-B. Head semicompact, 25 cm. long; glumes two-thirds of seed, straw color, awned; seed medium large, yellowish brown, pearly.
329450. Col. No. 305-B. Head semicompact, cylindrical, 12 cm. long; glumes tan, chocolate base, two-thirds of seed; seed medium small, dark reddish brown.
329451. Col. No. 306-B. Head loose, 25 cm. long; glumes one-half of seed, tan, awned; seed medium small, brown.
329452. Col. No. 307-B. Head semicompact, cylindrical, 25 cm. long; glumes one-third of seed, light tan; seed medium large, light brown, pearly.
329453. Col. No. 308-B. Head semicompact, cylindrical, 25 cm. long; glumes one-third of seed, light tan; seed medium large, chalky white.
329454. Col. No. 309-B. Head open, 25 cm. long; glumes one-half of seed, purplish tan, awned; seed small, yellowish brown.
329455. Col. No. 310-B. Head semi-open, 30 cm. long; glumes one-half of seed, tan, awned; seed medium small, tan.
329456. Col. No. 311-B. Head semicompact, cylindrical, 25 cm. long; glumes one-half of seed, straw color; seed medium small, white.
329457. Col. No. 312-B. Head strict, cylindrical, 20 cm. long; glumes two-thirds of seed, tan to light brown; seed medium small, tan.
329458. Col. No. 321-B. Head open, lax; glumes cover seed, red and tan; seed small, brown.
329459. Col. No. 324-B. Head open; glumes cover seed, red and tan; staminate florets prominent.
329460. Col. No. 325-B. Head semicompact, cylindrical, 35 cm. long; glumes one-half of seed, purplish, awned; seed medium large, brown.
329461. Col. No. 326-B. Head cylindrical, 35 cm. long; glumes two-thirds of seed, tan, chocolate base, awned; seed tan, pearly.
329462. Col. No. 327-B. Head open, lax; glumes cover seed, red to tan with transverse crease, awned; seed small, brown.
329463. Col. No. 329-B. Head open, spreading; glumes cover seed, red to tan, awned; seed small, brown.
329464. Col. No. 334-B. Head semicompact, cylindrical, 20 cm. long; glumes cover seed, purple, awned; seed small, brown.

Adua, 20 km. east of Adiabun, Tigre Province. Elevation 2,300 m.

329465. Col. No. 340-B. Plant 1.5 m. high; head semicompact; glumes two-thirds of seed, mahogany, awned; seed small, reddish brown.
329466. Col. No. 341-B. Plant 2.4 m. high; head open; glumes cover seed, awned, mahogany; seed red.

Market in Axum, Tigre Province.

329250 to 330302—Continued

329253 to 330270—Continued

329467. Col. No. 351-B. Seed small, white, pearly.

329468. Col. No. 352-B. Seed mixed.

South of Mojo, Shoa Province. Elevation 1,900 m.

329469. Col. No. 359-B. 'Mesinga'.

329470. Col. No. 360-B. Head open, lax, rachis retracted; glumes two-thirds of seed, mahogany, awned; seed medium small, brown.

329471. Col. No. 361-B. Head open, lax, rachis retracted; glumes two-thirds of seed, mahogany, awned; seed medium small, yellowish brown, pearly.

329472. Col. No. 362-B. Plant to 1.8 m. high; head open, lax, rachis extended; glumes two-thirds of seed, mahogany, awned; seed medium small, brown.

329473. Col. No. 365-B. Two km. south of Negele, Shoa Province. Plant 4.5 m. high, 12 nodes. Head open, lax, rachis retracted; glumes two-thirds of seed, mahogany, awned; seed reddish brown.

South of Awasa, Sidamo Province. Elevation 1,900 m.

329474. Col. No. 367-B. Plant to 3.0 m. high, 14 nodes, 'crookneck'. Head loose, rachis weak, extended; glumes two-thirds of seed, mahogany, awned.

329475. Col. No. 368-B. Plant to 2.4 m. high. Head loose, open, lax, rachis retracted; glumes one-half of seed, mahogany, awned; seed small.

Yirgalem, Sidamo Province.

329476. Col. No. 370-B. Plant 3.6 m. high. Head loose, open, to 3.0 m. long; glumes cover seed, mahogany, awned.

329477. Col. No. 371-B. Plant 3.6 m. high. Head open, spreading, rachis weak exert; glumes nearly cover seed, deep mahogany, awned.

Southwest of Wendo, Sidamo Province. Elevation 2,000 m.

329478. Col. No. 372-B. Plant 2.4 m. high. Head open, spreading; glumes cover seed, awned.

329479. Col. No. 373-B. Plant 3.6 m. high. Head open, lax, rachis weak; glumes cover seed, mahogany, awned.

West of Shashamane, Shoa Province. Elevation 1,900 m.

329480. Col. No. 394-B. Head open; glumes one-half of seed, brown, awned; seed small, reddish-dark brown.

329481. Col. No. 395-B. Head open, rachis weak, extended; glumes two-thirds of seed, mahogany, awned; seed small.

329482. Col. No. 396-B. Head open, lax, rachis weak; glumes one-half of seed, black, awned; seed small, brown, pearly.

329483. Col. No. 397-B. Head open, lax, rachis retracted; glumes one-half of seed, chocolate, awned; seed small, light brown.

329484. Col. No. 399-B. Plant 1.2 m. high, 10 nodes. Head open, rachis extended; glumes one-half of seed, purple, awned; seed small, brown.

329485. Col. No. 402-B. Head spreading; glumes one-half of seed, brown, awned; seed small, brown, pearly.

329486. Col. No. 403-B. Head spreading; glumes one-half of seed, mahogany; seed small, brown.

329250 to 330302—Continued**329253 to 330270—Continued**

- 329487.** Col. No. 404-B. Plant 1.5 m. high. Head spreading; glumes one-half of seed, tan to brown, awned; seed small, brown.
- 329488.** Col. No. 407-B. Plant 3.6 m. high. Head open, lax, rachis weak, extended; glumes one-half of seed, mahogany, awned; seed small, chalky white.
- 329489.** Col. No. 408-B. Plant 1.8 m. high. Head semicompact, cylindrical, 15 cm. long; glumes one-half of seed, mahogany, awned; seed small, brown.
- 329490.** Col. No. 409-B. Plant 1.8 m. high. Head semicompact, cylindrical, 25 cm. long; glumes one-half of seed, dark brown, awned; seed small, reddish brown.
- 329491.** Col. No. 410-B. Plant 2.4 m. high, 10 leaves. Head semicompact, cylindrical, 20 cm. long; glumes one-half of seed, mahogany, awned; seed small, brown, pearly.
- 329492.** Col. No. 411-B. Head open, rachis extended; glumes one-half of seed, shiny black, awned; seed light brown.
- 329493.** Col. No. 412-B. Plant 3.6 m. high. Head open, rachis weak; glume one-half of seed, straw color, awned; seed small, light brown.
- 329494.** Col. No. 413-B. Plant 3.0 m. high. Head open, lax, rachis retracted; glume one-third of seed, mahogany, awned; seed small, chalky white.
- 329495.** Col. No. 414-B. Plant 3.0 m. high. Head semicompact, cylindrical, 25 cm. long; glumes one-third of seed, mahogany; seed medium small, brown, pearly.
- 329496.** Col. No. 415-B. Plant 3.0 m. high. Head open, cylindrical, 25 cm. long; glumes one-third of seed, mahogany; seed medium small, brown, pearly.
- 329497.** Col. No. 416-B. Plant 3.6 m. high. Head open, rachis weak, extended; glumes one-half of seed, black, awned; seed small, white to brown buff.
- 329498.** Col. No. 418-B. Plant 3.6 m. high. Head open, rachis weak, extended; glumes cover seed, yellow straw color, awned; seed small.
- 329499.** Col. No. 419-B. Plant 3.3 m. high. No extended rachis on head; glumes cover seed, straw, sienna color base, awned; seed small.
- 329500.** Col. No. 424-B. Plant 3.6 m. high. Head open, rachis retracted, weak; glumes cover seed, mahogany, awned; seed small.
- North of Asella, Arussi Province. Elevation 2,200 m.
- 329501.** Col. No. 603-B. Plant 1.2 m. high. Head open to semicompact, 25 cm. long; glumes two-thirds of seed, mahogany, awned, shiny; seeds small.
- 329502.** Col. No. 604-B. Plant 1.2 m. high. Head open; glumes two-thirds of seed, bicolor, awned; seed small.
- 329503.** Col. No. 605-B. Head open; glumes reddish mahogany, shiny, awned; seeds small.
- 329504.** Col. No. 607-B. Head semicompact, cylindrical, 25 cm. long; glumes two-thirds of seed, mahogany, awned; seed small.
- 329505.** Col. No. 609-B. Plant 3.0 m. high. Head open, 35 cm. long, rachis extended; glume two-thirds of seed, reddish brown; seed small.
- 329506.** Col. No. 610-B. Plant 1.8 m. high. Head open, 30 cm. long; glumes one-third of seed, tan to black; seeds medium small.

329250 to 330302—Continued**329253 to 330270—Continued**

- 329507.** Col. No. 611-B. Head open, rachis semiretracted; glumes one-third of seed, chocolate; seed medium small.
- 329508.** Col. No. 612-B. Head semi-open, rachis partially retracted; glumes one-third of seed, mahogany; seed small.
- 329509.** Col. No. 614-B. Plant 2.4 m. high. Head open, 45 cm. long; glumes cover seed, tan, membranous, transversely creased, awned; seed medium small, brown.

Near Nazareth, Shoa Province. Elevation 1,700 m.

- 329510.** Col. No. 615-B. Plant 2.4 m. high. Head semicompact, cylindrical; glumes cover seed, tan, membranous, transversely creased, awned; seed medium small, brown.
- 329511.** Col. No. 616-B. Head cylindrical to lanceolate, 30 cm. long; glumes one-half of seed, light brown, awned; seed medium large, brown.
- 329512.** Col. No. 617-B. Head semicompact, cylindrical, 25 cm. long; glumes one-third of seed, chocolate, awned; seed small, shiny red.
- 329513.** Col. No. 618-B. Head open; glumes one-third of seed, chocolate, awned; seed small, red, pearly.
- 329514.** Col. No. 619-B. Plant crookneck. Head semicompact, broadly lanceolate, 20 cm. long; glumes one-half of seed, chocolate, awned; seed small, red, pearly.

East of Debre Zeit, Shoa Province. Elevation 1,900 m.

- 329515.** Col. No. 620-B. Head cylindrical; glumes tan, awned; seed medium small.
- 329516.** Col. No. 621-B. Head semicompact, cylindrical, 15 cm. long; glumes one-third of seed, chocolate, awned; seed small, shiny red.
- 329517.** Col. No. 622-B. Head open; glumes one-third of seed, chocolate, awned; seed small brown.

Near Butajira, Shoa Province. Elevation 1,900 to 2,200 m.

- 329518.** Col. No. 624-B. Plant 1.8 m. high. Head semicompact; glumes one-third of seed, chocolate, awned; seed red to shiny brown.
- 329519.** Col. No. 625-B. Plant 3.0 m. high. Head open; glumes two-thirds of seed, tan to mahogany; seed medium small, light brown.
- 329520.** Col. No. 627-B. Head semicompact, 30 cm. long.
- 329521.** Col. No. 628-B. Head open, lax, rachis retracted; glumes one-half of seed, shiny brown, awned; seed small, tan to white.
- 329522.** Col. No. 629-B. Plant 3.0 m. high. Head crookneck, opens with retracted rachis; glumes one-third of seed, dark mahogany, shiny, awned; seed small, brown, pearly.
- 329523.** Col. No. 630-B. Plant 1.8 m. high. Head semicompact to loose, 35 cm. long; glumes one-third of seed, dark mahogany; seed medium small, dark brown.
- 329524.** Col. No. 631-B. Head semicompact, 25 cm. long; glumes one-half of seed, dark brown, awned; seed small, shiny red.
- 329525.** Col. No. 632-B. Plant 0.9 m. high. Head open; glumes one-third of seed, mahogany, shiny, awned.
- 329526.** Col. No. 633-B. Head semicompact, 20 cm. long, rachis semiretracted; glumes one-third of seed, chocolate; seed small, reddish brown.

329250 to 330302—Continued**329253 to 330270—Continued**

329527. Col. No. 634-B. Head open, bi-whorled, 25 cm. long; glumes tan with black base, awned; seed small, brown, pearly.
329528. Col. No. 635-B. Head open, rachis retracted; glumes one-third of seed, mahogany; seed medium, white.
329529. Col. No. 636-B. Head open, biwhorled; glume one-third of seed, chocolate, awned; seed shiny brown.
329530. Col. No. 637-B. Head semicompact, 20 cm. long; glumes one-third of seed, black, awned; seed small, shiny red.
329531. Col. No. 639-B. Head open, lax; glumes one-half of seed, black, awned; seed medium large, white tinged brown.
329532. Col. No. 640-B. Head open; glumes tan to black; seed medium large, white.
329533. Col. No. 641-B. Head open, rachis semiretracted, triwhorled; glumes one-half of seed, black with membranous tips, awned; seed small, brown.
329534. Col. No. 642-B. Head open; glumes three-fourths of seed, tan, awned; seed small, brown, pearly.
329535. Col. No. 643-B. Head open; glumes one-half of seed, tan, awned; seed small, brown, pearly.
329536. Col. No. 644-B. Head semicompact, broadly lanceolate, 25 cm. long; glumes one-third of seed, chocolate, awned; seed small, reddish brown, pearly.
329537. Col. No. 645-B. Head open; glumes mahogany, shiny; seed medium large, light brown.
329538. Col. No. 646-B. Plant 0.9 m. high. Head open; glumes two-thirds of seed, brown, awned; seed small.
329539. Col. No. 649-B. Head open; glumes two-thirds of seed, reddish brown, awned; seed small, red, pearly.
- Ghion, Shoa Province. Elevation 2,000 m.
329540. Col. No. 650-B. Plant 2.4 m. high, yellow midrib. Head open, lax, rachis retracted; glumes one-half of seed, straw color, awned; seed medium small, orange brown.
329541. Col. No. 651-B. Plant 3.6 m. high. Head open, rachis semi-retracted, two whorled; glumes one-third of seed, mahogany, shiny, awned; seed small, white.
329542. Col. No. 652-B. Plant 1.5 m. high, yellow midrib. Head open, lax, rachis retracted; glumes one-half of seed, straw color, purple tinged; seed small, tan.
329543. Col. No. 633-B. Plant 3.6 m. high. Head open, rachis extended; glumes one-half of seed, straw color, transversely creased, awned; seed small, chalky white.
329544. Col. No. 654-B. Plant 2.4 m. high. Head semi-open, cylindrical, semiretracted; glumes one-half of seed, brown, awned; seed small, brown.
- South of Welkite, Shoa Province. Elevation 1,700 m.
329545. Col. No. 655-B. Plant 3.6 m. high. Head open, 35 cm. long; glumes two-thirds of seed, straw color, awned; seed small, white.
329546. Col. No. 656-B. Plant 3.6 m. high. Head open, 35 cm. long; glumes two-thirds of seed, shiny mahogany, awned; seed small, white.

329250 to 330302—Continued

329253 to 330270—Continued

329547. Col. No. 657-B. Plant 3.6 m. high. Head open, 35 cm. long; glumes two-thirds of seed, straw color, awned; seed small, light brown.
329548. Col. No. 658-B. Plant 2.4 m. high. Leaves 5 cm. wide, white midrib. Associated with *Setaria* sp.
- Limu Road near Jimma, Kasa Province. Elevation 1,900 m.
329549. Col. No. 659-B. Plant 3.6 m. high. Head open, crookneck, rachis retracted; glumes one-third of seed, black, awned; seed small, reddish brown.
329550. Col. No. 660-B. Plant 3.6 m. high. Head open, crookneck, rachis extended; glumes one-third of seed, black, awned; seed small, reddish brown.
329551. Col. No. 661-B. Plant 4.2 m. high. Head open, 30 cm. long, rachis extended; glumes one-half of seed, straw color, awned; seed small, white.
329552. Col. No. 662-B. Plant 4.2 m. high. Head open, lax, 20 cm. long; awned; glumes shiny black; seed small to medium small, chalky white.
329553. Col. No. 663-B. Plant 4.2 m. high. Head open, relaxed, rachis retracted; glumes two-thirds of seed, mahogany, awned; seed medium small, tan.
329554. Col. No. 667-B. Plant 4.2 m. high. Head open, rachis semi-retracted; glumes one-half of seed, mahogany, awned; seed medium small, tan.
329555. Col. No. 668-B. Plant 4.2 m. high. Head open, rachis extended, 30 cm. long; glumes one-half of seed, black, awned; seed small, chalky white.
329556. Col. No. 669-B. Seventy km. south of Jimma, Kaffa Province, Gojeb Valley, on road to Bonga. Elevation 1,600 m. Plant 4.2 m. high. Head open, lax, rachis retracted; glumes cover seed, bicolor awned; seed small, brown.
329557. Col. No. 670-B. Sixty km. south of Jimma, Kaffa Province, on road to Bonga. Elevation 2,100 m. Plant 4.2 m. high. Head open, rachis extended, lax, 40 cm. long; glumes one-half of seed, brown pubescent, transversely creased, awned; seed small, white. Good seed yield.
329558. Col. No. 672-B. Fifty km. south of Jimma, Kaffa Province, near Shebe, on road to Bonga. Plant 3 m. high. Head open, rachis extended, two whorled; glumes two-thirds of seed, mahogany, awned; seed small, reddish-tan.

Market in Jimma, Kaffa Province.

329559. Col. No. 676-B. Seed small, reddish brown.
329560. Col. No. 678-B. Seed light, reddish brown.
329561. Col. No. 679-B. Seed small, light reddish brown.
329562. Col. No. 680-B. Seed mixed, chalky white and light tan.
329563. Col. No. 681-B. Seed mixed, chalky white and pearly light tan.
329564. Col. No. 682-B. Seed mixed, reddish tan and pearly brown.
329565. Col. No. 683-B. Seed large, light tan, pearly.
329566. Col. No. 684-B. Seed mixed, chalky white and pearly tan.
329567. Col. No. 685-B. Seed pearly white and tan.

329250 to 330302—Continued

329253 to 330270—Continued

329568. Col. No. 688-B. Seed mixed, chalky white and pearly tan.
329569. Col. No. 693-B. Menisa, Asendabo, Kaffa Province. Seed small, reddish brown.
- West of Agaro, Kaffa Province, seven km. off road to Bekele, Goga area near border of Illubabor and Kaffa.
329570. Col. No. 696-B. Head ovate, semicompact, 15 cm. long; glumes cover seed, brown, awned; seed uniform, brown. Stem very sweet.
329571. Col. No. 702-B. Head open, rachis extended, 30 cm. long; glumes one-half of seed, bicolor, awned; seed small, white.
329572. Col. No. 703-B. Head open, lax, rachis retracted; glumes one-third of seed, brown, awned; seed small, reddish brown, pearly.
329573. Col. No. 704-B. Head open, lax, rachis semiretracted, two whorled; glumes one-third of seed, shiny mahogany, transversely creased; seed small, brown.
329574. Col. No. 705-B. Head open, rachis extended, 25 cm. long; glumes one-third of seed, brown, awned; seed small, brown.
329575. Col. No. 706-B. Head open, rachis extended; glumes one-half of seed, awned; seed small, brown.
329576. Col. No. 707-B. Head open, rachis semiretracted, three whorled; glumes one-third of seed, mahogany, awned; seed small, reddish brown.
329577. Col. No. 708-B. Head open, lax, rachis retracted; glumes one-half of seed, mahogany, awned; seed small, reddish brown.
329578. Col. No. 709-B. Local name Seepo. Plant 3.6 m. high. Head open, 30 cm. long; glumes cover seed, black, shiny, awned; seed small, brown.
- South of Asendabo, Kaffa Province, toward Gibe River. Elevation 1,600 m.
329579. Col. No. 716-B. Plant 3.0 m. high. Head open, lax, rachis retracted, crookneck; glumes two-thirds of seed, brown, awned; seed small, light brown.
329580. Col. No. 717-B. Plant 3.0 m. high. Head open, lax, rachis retracted, crookneck; glumes two-thirds of seed, light tan, awned; seed small, white.
329581. Col. No. 719-B. Local name Hanchro. Plant 3.0 m. high. Head open, rachis semiretracted, two whorled; glumes one-half of seed, mahogany, awned; seed small, white. Stalk sweet.
329582. Col. No. 720-B. Local name Seepo. Head lax, 25 cm. long; glumes cover seed, shiny black, awned; seed small, brown.
- Shafa, Kaffa Province.
329583. Col. No. 722-B. Plant 3.0 m. high, tan. Head open, lax, rachis retracted; glumes one-third of seed, shiny mahogany, awned; seed medium small, brown.
329584. Col. No. 723-B. Plant 3.6 m. high. Head open, rachis semiretracted, panicle strick; glumes one-third of seed, mahogany, awned; seed medium small, purplish.
329585. Col. No. 724-B. Head open, lax, rachis retracted; glumes one-half of seed, straw color, awned; seed small, yellowish tan.
329586. Col. No. 726-B. Plant 3.0 m. high. Head open, lax, semiretracted; glumes two-thirds of seed, bicolor, awned; seed small, reddish brown.

329250 to 330302—Continued**329253 to 330270—Continued**

329587. Col. No. 727-B. Head open, lax, rachis retracted; glumes one-third of seed, mahogany, awned; seed small, reddish brown.
329588. Col. No. 728-B. Along Gibe River, Kaffa Province. Elevation 1,400 m. Plant endemic of area.
- Wollo Province. Elevation 1,500 to 2,500 m.
329589. Col. No. 729-B. Local name Red Mashila. Seed large, reddish brown.
329590. Col. No. 730-B. Seed small, deep red.
329591. Col. No. 731-B. Local name Nedalit. Glumes straw color; seed large, broadly ovate, yellow, pearly.
329592. Col. No. 732-B. Local name Degalit. Seed medium small, brownish yellow.
329593. Col. No. 733-B. Local name Zengada. Seed small, shiny red.
329594. Col. No. 734-B. Local name Cemie. Seed chalky white. Kafir type.
329595. Col. No. 735-B. Local name Cedalit. Seed yellow, pearly.
329596. Col. No. 736-B. Local name Degale. Seed broadly ovate, yellow, pearly. Durra type.
329597. Col. No. 737-B. Local name Boda. Seed large, reddish brown. Durra type.
329598. Col. No. 738-B. Local name Mashila. Seed white, pearly.
329599. Col. No. 739-B. Local name Ahiya Mashilla. Glumes black; seed large, light brown.
329600. Col. No. 740-B. Local name Ayinabu Zengada. Seed small, shiny red.
329601. Col. No. 741-B. Local name Tengelei Mashilla. Glumes black; seed very large, yellow, pearly, high quality.
329602. Col. No. 742-B. Local name Nechila Mashilla. Seed medium small, white, pearly.
329603. Col. No. 743-B. Local name Nech Gorad Mashilla. Seed medium small, tan.
329604. Col. No. 744-B. Local name Zenda. Seed small, shiny red. Market in Agere Hiwot, Shoa Province.
329605. Col. No. 745-B. Seed small, light reddish brown.
329606. Col. No. 746-B. Seed medium small, light brown, pearly.
329607. Col. No. 747-B. Seed medium small, brown, pearly.
329608. Col. No. 748-B. Seed small, brown, pearly.
329609. Col. No. 749-B. Seed small, white, pearly.
329610. Col. No. 750-B. Seed small, purplish brown.
329611. Col. No. 751-B. Seed small, brown.
329612. Col. No. 752-B. Seed reddish brown.
329613. Col. No. 753-B. Seed small, purplish brown. Market in Solie, Shoa Province.
329614. Col. No. 754-B. Seed medium small, purplish brown.
329615. Col. No. 755-B. Seed medium small, purple, pearly.

329250 to 330302—Continued

329253 to 330270—Continued

329616. Col. No. 756-B. Seed small, light brown.

Market in Ejagi, Shoa Province.

329617. Col. No. 757-B. Seed mixed, chalky white and pearly yellow.

329618. Col. No. 758-B. Seed small, white, pearly and reddish tan.

329619. Col. No. 759-B. Seed white, pearly and brown.

329620. Col. No. 760-B. Seed brown.

329621. Col. No. 761-B. Seed small, pearly, brown.

329622. Col. No. 762-B. Seed small, red.

329623. Col. No. 763-B. Seed white, pearly and brown.

West of Bako, Shoa Province. Elevation 1,800 m.

329624. Col. No. 764-B. Plant 3.0 m. high. Head open, 30 cm. long; glumes cover seed, shiny black; seed small, brown.

329625. Col. No. 765-B. Plant 3.0 m. high. Head open, 30 cm. long; glumes pubescent; seed small, brown.

329626. Col. No. 766-B. Plant 1.8 m. high. Head open; glumes one-half of seed, mahogany, awned; seed small, chalky white.

329627. Col. No. 768-B. Seed dark brown.

West of Nekempt, Wollega Province. Elevation 1,250 m.

329628. Col. No. 771-B. Local name Seepo. Plant 3.0 m. high. Head open; glumes shiny black, awned; seed small, brown.

329629. Col. No. 772-B. Plant 3.0 m. high. Head semicompact, ovate, 15 cm. long; glumes cover seed, mahogany, awned; seed small, brown.

329630. Col. No. 773-B. Plant 4.2 m. high. Head open, rachis weak extended, 30 cm. long; glumes one-third of seed, mahogany; seed medium small, brown.

329631. Col. No. 774-B. Head open, rachis extended, 35 cm. long; glumes cover seed, mahogany, awned; seed medium small, dark red.

329632. Col. No. 775-B. Plant 4.2 m. high. Head open, rachis semi-extended; glumes one-third of seed, mahogany, awned; seed medium small, reddish light brown.

329633. Col. No. 776-B. Plant clumped with 13 stalks all with mature heads. Head open, 17 cm. long; glumes cover seed, black, awned; seed very small, brown.

329634. Col. No. 778-B. Plant 1.5 m. high. Head open; glumes one-half of seed, mahogany, black; seed medium small, brown.

329635. Col. No. 779-B. Plant 3.0 m. high. Head open rachis retracted; glumes less than one-third of seed, brown; seed large, broadly ovate, clustered. Very productive.

329636. Col. No. 780-B. Plant 3.0 m. high. Head open, rachis extended; glumes less than one-third of seed, brown, pubescent; seed medium large, white, chalky.

329637. Col. No. 781-B. Plant 3.0 high. Head open, rachis extended; glumes less than one-third of seed, brown, pubescent; seed medium large, tan.

329638. Col. No. 782-B. Head open, lax, rachis retracted; glumes black, pubescent; seed medium large, reddish brown.

329639. Col. No. 784-B. Head semicompact, ovate, 20 cm. long; glumes one-third of seed, mahogany; seed medium large, chalky white.

329250 to 330302—Continued

329253 to 330270—Continued

329640. Col. No. 785-B. Head open, rachis retracted; glumes less than one-third of seed, mahogany; seed large, white tinged with red.
329641. Col. No. 786-B. Local name Seepo. Plant 2.4 m. high. Head open; glumes cover seed, black; seed small.
329642. Col. No. 787-B. Plant 3.6 m. high. Head open, 40 cm. long; glumes one-half of seed, brown; seed medium small, brown, pearly.
329643. Col. No. 788-B. Head open; glumes one-half of seed, mahogany, awned; seed small, reddish brown.
329644. Col. No. 791-B. Diga Market, Wollega Province. Seed reddish yellow.
- Shembu, Wollega Province. Swamp area. Elevation 2,300 to 2,500 m.
329645. Col. No. 796-B. Plant 2.4 m. high. Head open, strick; glumes two-thirds of seed, tan to brown; seed small, brown.
329646. Col. No. 797-B. Plant 3.0 m. high. Head open, strick, 20 cm. long; glumes cover seed, reddish brown, awned; seed very small, reddish brown.
329647. Col. No. 798-B. Head open, crookneck; glumes two-thirds of seed, mahogany, awned; seed clustered.
329648. Col. No. 799-B. Head open, rachis weak; glumes mahogany, awned; seed small, pearly, reddish brown.
329649. Col. No. 800-B. Head semi-open, globose; glumes one-half of seed, mahogany; seed pearly, reddish brown, clustered.
329650. Col. No. 801-B. Plant 1.5 m. high. Head open; glumes straw color, awned; seed medium small, pearly, tan.
329651. Col. No. 803-B. Plant 3.0 m. high. Head semi-open, rachis retracted; glumes one-half of seed, mahogany, awned; seed medium small, reddish brown.
329652. Col. No. 804-B. Head open, strick, rachis retracted; glumes one-third of seed, mahogany, awned; seed medium small, light brown.
329653. Col. No. 805-B. Head open, lax, rachis retracted.
329654. Col. No. 806-B. Plant 1.5 m. high, immature. Head open, straw color, awned.
329655. Col. No. 808-B. Head open, lax; glumes mahogany, awned; seed medium small, reddish brown, pearly.
- North of Addis Alem on 100 km. at Wayu, Shoa Province.
329656. Col. No. 809-B. Local name Tukureta. Plant 3.0 m. high. Head open, rachis extended, 12 cm. long; glumes one-third of seed, reddish brown, awned; seed large.
329657. Col. No. 810-B. Local name Diramelie. Plant 3.0 m. high. Head open, rachis retracted, lax; glumes one-third of seed, white, awned.
329658. Col. No. 811-B. Local name Tekureta. Plant 2.4 m. high. Head open, rachis extended; glumes one-third of seed, straw color, awned.
329659. Col. No. 812-B. Local name Jomola. Plant 3.0 m. high. Head open, rachis extended, 15 cm. long; glumes one-third of seed, awned; seed yellowish white, clustered.
329660. Col. No. 813-B. Local name Dalecho. Plant 3.0 m. high. Head open, rachis extended, 15 cm. long; glumes one-third of seed, awned; seed yellow, lanceolate.

329250 to 330302—Continued

329253 to 330270—Continued

329661. Col. No. 814-B. Local name Ayicha. Plant thin, short, head lanceolate; glumes one-third of seed, awned; seed reddish brown.
329662. Col. No. 815-B. Local name Achirie. Plant 3.0 m. high. Head open, rachis retracted, lax; glumes one-half of seed, awned; seed small, yellowish red.
329663. Col. No. 816-B. Local name Achirie. Plant 3.0 m. high. Head open, rachis retracted, lax; glumes one-half of seed, awned; seed small, red.
329664. Col. No. 817-B. Local name Jomola. Plant short. Head open, 10 cm. long, rachis extended; glumes one-third of seed; seed small, yellowish red.
329665. Col. No. 818-B. Plant 3.0 m. high. Head open, rachis extended; glumes one-half of seed; seed red. ●
329666. Col. No. 819-B. Local name Belbela. Plant 3.6 m. high. Head open, rachis retracted; glumes one-half of seed, straw color, awned; seed small.
329667. Col. No. 820-B. Local name Dolgoma. Plant 3.6 m. high. Head open, rachis extended, 12 cm. long; glumes one-third of seed; seed clustered.
329668. Col. No. 821-B. Local name Gowansimbeku. Plant 2.4 m. high. Head open, rachis extended; glumes one-third of seed, awned; 12 cm. long; seed medium, mahogany, clustered. Stem weak.
329669. Col. No. 823-B. Local name Gowansinbeku. Plant 2.4 m. high. Head open, loose, semiretracted; glumes one-third of seed, awned, 12 cm. long; seed medium, mahogany, clustered. Stem weak.
329670. Col. No. 824-B. Local name Chetie. Plant 3.6 m. high, 8 leaves. Head cylindrical, 17 cm. long; glumes cover seed, awned, brown.
329671. Col. No. 825-B. Local name Chetie. Plant 3.6 m. high, 8 leaves. Head lanceolate, 17 cm. long; glumes cover seed, awned, brown.
329672. Col. No. 826-B. Local name Chetie. Plant 3.6 m. high, 8 leaves. Head cylindrical, 17 cm. long; glumes cover seed, awned; seed large, light red.
329673. Col. No. 827-B. Head open to compact, 12 cm. long; glumes one-third of seed; seed dark red; stem cone shaped.
329674. Col. No. 828-B. Local name Dolgoma. Plant 3.6 m. high. Head open to compact, lanceolate, 15 cm. long; glumes one-third of seed, awned, reddish brown; seed small, clustered.
329675. Col. No. 829-B. Local name Kolaguro. Plant 3.6 m. high. Head cylindrical, 15 cm. long; glumes one-half of seed, awned; seed yellowish red, clustered.
329676. Col. No. 830-B. Local name Kolaguro. Plant 3.6 m. high. Head cylindrical, 15 cm. long; glumes one-half of seed, awned; seed reddish, clustered.
329677. Col. No. 831-B. Local name Jawara. Plant 3.0 m. high. Head open, rachis extended, 15 cm. long; glumes one-half of seed, awned; seed reddish brown, clustered.
329678. Col. No. 832-B. Local name Achirie Selalie. Plant 2.4 m. high. Head compact to open, cylindrical, 12 cm. long; glumes one-half of seed, awned; seed light brown.
329679. Col. No. 833-B. Plant 2.4 m. high. Head open, rachis extended; glumes one-third of seed, dark red; seed small to medium.

329250 to 330302—Continued

329253 to 330270—Continued

- Eragrostis tef*
329680. Col. No. 834-B. Local name Teff. Seed brown.
329681. Col. No. 835-B. Local name Teff. Seed white.
329682. Col. No. 836-B. Local name Tekureta. Plant 3.0 m. high. Head open, rachis extended; glumes one-third of seed, 15 cm. long, seed brown, clustered.
329683. Col. No. 837-B. Plant 3.0 m. high. Head cylindrical, 12 cm. long; glumes one-third of seed, awned; seed small, reddish brown, clustered.
329684. Col. No. 838-B. Plant short. Head compact to open, 10 cm. long; glumes one-half of seed, awned; seed yellowish white.
329685. Col. No. 839-B. Plant 3.0 m. high, 8 leaves. Head open, rachis extended; glumes cover seed, awned; seed dark red.
- Market in Yabello, Sidamo Province. Elevation 2,100 m. Rainfall 65 cm. Local name Durra.
329686. Col. No. R-1. Seeds reddish brown, pearly.
329687. Col. No. R-2. Seeds reddish, pearly.
329688. Col. No. R-3. Seeds chalky white with brown subcoat (Feterita type).
329689. Col. No. R-7. Local name Mashila. Hosana, Sidamo Province. Elevation 2,286 m. Seeds medium, reddish brown.
- Bako, Gemu Gofa Province. Elevation 1,290 m. Local name Mashila.
329690. Col. No. R-9. Panicle spreading, umbellate, clustered. Seeds turtleback shaped, medium, white gray with subcoat. Glumes short, mahogany.
329691. Col. No. R-1. Seeds medium large, brownish red.
329692. Col. No. R-11. Panicle semi-umbellate, clustered. Seeds dark brownish red, pearly, medium, slightly flattened. Glumes dark reddish mahogany, coriaceous.
329693. Col. No. R-12. Seeds medium, slightly flattened, white with brown subcoat.
329694. Col. No. R-13. Panicle spreading, umbellate, clustered. Seeds medium, slightly flattened, purple black. Glumes short, dark purple, coriaceous. Bird resistant.
329695. Col. No. R-22. Local name Mashila. Maji, Kaffa Province. Elevation 2,130 m. Seeds red to brownish red, some reddish pearly. Heavy weevil damage.
329696. Col. No. R-30. Local name Shuri. Tepi, Illubabor Province. Elevation 1,230 m. Rain forest area, rainfall highest in Ethiopia. Panicle umbellate with partial clustering. Glumes short, less than $\frac{1}{2}$ of seed, chocolate, coriaceous. Seeds medium, dark reddish brown.
329697. Col. No. R-31. Local name Tinkish. Tepi, Illubabor Province. Elevation 1,230 m. Rain forest area, rainfall highest in Ethiopia. Head short, cylindrical, medium small, semicompact. Glumes short, dark brown. Sweet stem.
329698. Col. No. R-42. Shewa Gimira, Kaffa Province. Elevation 1,230 m. High rainfall evenly distributed 18-26 cm. rainfall.
329699. Col. No. R-45. Gilo River, near the Sudan border. Elevation 540 m. Seeds mixed from amber pearly to dark brown. Glumes light brown to chocolate brown.

329250 to 330302—Continued

329253 to 330270—Continued

329700. Col. No. R-48. Gambela River, Illubabor Province. Elevation 540 m. Seeds mixed ranging from amber pearly to light red and light brown.

329701. Col. No. R-49. Local name Tinkish (Sweet). Gambela River, Illubabor Province. Elevation 540 m. Head large and spreading. Glumes large, covering $\frac{2}{3}$ of seed; staminate florets exerted. Seeds medium large and flattened, white and chalky.

Market in Debre Berhan, Shoa Province.

329702. Col. No. R-59. Seeds medium, red.

329703. Col. No. R-60. Seeds mixed, white, brown, and red.

329704. Col. No. R-62. Seeds mixed, white and brown.

329705. Col. No. R-68. Seeds mixed, red and brown with dark purple glumes.

329706. Col. No. R-69. Seeds brown red, uniform sample.

329707. Col. No. R-71. Seeds yellow mixed with white and brown.

329708. Col. No. R-72. Seeds small, reddish brown. Glumes black.

329709. Col. No. R-73. Seeds medium, yellow mixed with brown and white.

North of Debre Sina, Shoa Province.

329710. Col. No. R-76. Elevation 2,100 m. Head semiloose, 36 cm. long. Glumes brown, $\frac{1}{2}$ of seed, awned. Seeds medium small, brown.

329711. Col. No. R-77. Elevation 2,100 m. Head broadly ovate, 15 cm. long. Glumes $\frac{1}{2}$ of seed, pubescent, awned. Seeds medium, brown. Rough peduncle.

329712. Col. No. R-78. Heads cylindrical, 10 cm. long, seeds clustered. Glumes less than $\frac{1}{2}$ of seed, obscure awns. Seed twinned, pearly red.

329713. Col. No. R-79. Elevation 2,200 m. Heads open, lax, 28 cm. long. Glumes $\frac{1}{2}$ of seed, prominent awned. Seeds pearly deep red, small.

329714. Col. No. R-80. Elevation 2,200 m. Heads open, lax 23 cm. long. Glumes $\frac{1}{2}$ of seed, awned. Seeds brown to reddish brown.

329715. Col. No. R-81. Elevation 2,200 m. Heads open lax, 28 cm. long. Glumes nearly as long as seed, mahogany colored, awned. Seeds reddish brown.

329716. Col. No. R-82. Elevation 2,350 m. Heads open, 20 cm. long. Glumes mahogany colored, awned and $\frac{1}{2}$ of seed. Seeds reddish brown.

329717. Col. No. R-83. Elevation 2,200 m. Heads cylindrical, compact. Glumes $\frac{1}{2}$ of seed, purple, awned. Seed medium small, brown.

329718. Col. No. R-84. Elevation 2,200 m. Heads cylindrical, compact. Glumes $\frac{1}{2}$ of seed, purple, awned. Seed medium small, deep reddish brown.

329719. Col. No. R-85. Elevation 1,800 m. Heads cylindrical, semi-compact, 30 cm. long. Glumes $\frac{1}{2}$ of seed, straw colored, awns obscure. Seeds chalky white.

329720. Col. No. R-86. Elevation 1,700 m. Heads loose, lax, 46 cm. long. Glumes purplish colored, nearly the length of seed, awned. Seeds reddish brown.

329250 to 330302—Continued

329253 to 330270—Continued

329721. Col. No. R-87. Elevation 1,600 m. Heads broadly ovate-lanceolate, seed clustered. Glumes $\frac{1}{2}$ of seed, straw color, awns obscure. Seed medium small, pearly yellow. Endosperm of high quality.
329722. Col. No. R-88. Elevation 1,600 m. Plants 18 m. tall. Heads open, lax, 30 cm. long. Glumes nearly cover seed, awned. Seed brown light brown. This collection represents the variation in the field.
329723. Col. No. R-89. Elevation 1,600 m. Head semicompact, ovate, 20 cm. long. Glumes $\frac{1}{2}$ of seed, black. Seed medium large, chalky white.
329724. Col. No. R-90. Elevation 1,600 m. Heads cylindrical, semicompact, seeds clustered, 30 cm. long. Glumes straw colored, awned. Seeds medium small, light brown.
329725. Col. No. R-91. Elevation 1,600 m. Heads cylindrical, semicompact, seeds clustered, 30 cm. long. Glumes straw colored, awned. Seed medium, reddish brown.
329726. Col. No. R-92. Elevation 1,700 m. Heads broadly ovate, semicompact, seeds clustered, rachis retracted, pedicels staggered on rachis. Glumes $\frac{1}{4}$ of seed, light brown. Seed medium, orange colored. Outstanding head type.
329727. Col. No. R-93. Elevation 1,600 m. Head broadly ovate, semicompact, seed clustered. Glumes $\frac{1}{2}$ of seed, tan straw. Seed medium large, pearly lemon. Outstanding seed and head type.
329728. Col. No. R-94. Local name Wotatae. Elevation 1,600 m. Heads cylindrical to lanceolate, semiloose, 36 cm. long. Glumes straw color, $\frac{1}{2}$ of seed. Seeds medium large, chalky white.
329729. Col. No. R-95. Elevation 1,600 m. Heads loose, semi-ovate. Glumes $\frac{1}{2}$ of seed, awns obscure, pinkish purple. Seeds medium large, light tan.
329730. Col. No. R-96. Heads broadly ovate, compact, seeds clustered. Glumes less than $\frac{1}{2}$ of seed, straw colored, awns obscure. Seeds medium small, pearly lemon. A very high quality seed.
329731. Col. No. R-97. Local name Philush (Filush). Heads cylindrical lanceolate, semicompact, 20 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw colored, awned. Seeds large, pearly lemon. High quality.
329732. Col. No. R-98. Elevation 1,600 m. Plant tan. Heads broadly ovate, very compact, seeds clustered. Glumes $\frac{1}{2}$ or less of seeds, straw colored, awns obscure. Seeds medium small, pearly yellow. Good quality.
329733. Col. No. R-99. Elevation 1,600 m. Heads ovate, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seed, brown tan, awned. Seeds medium large, pearly orange.
- Societe Imprese Africane, Baratoolo Farms, Tessenei, Eritrea Province. Local name Durra unless otherwise indicated.
329734. Col. No. R-102. Local name Mugud.
329735. Col. No. R-104. Local name Mashila.
329736. Col. No. R-105. Local name Mashila.
329737. Col. No. R-106.
329738. Col. No. R-109.
329739. Col. No. R-111.

329250 to 330302—Continued**329253 to 330270—Continued**

329740. Col. No. R-112. Local name Adar.
329741. Col. No. R-113.
329742. Col. No. R-115.
329743. Col. No. R-116. Local name Mugud.
329744. Col. No. R-117. Local name Adar.
329745. Col. No. R-118.
329746. Col. No. R-119.
329747. Col. No. R-120.
329748. Col. No. R-121.
329749. Col. No. R-122.
329750. Col. No. R-123.
329751. Col. No. R-126.
329752. Col. No. R-127.
329753. Col. No. R-128.
329754. Col. No. R-129.
329755. Col. No. R-130. Local name Adar.
329756. Col. No. R-131.
329757. Col. No. R-134.
329758. Col. No. R-137.
329759. Col. No. R-138.
329760. Col. No. R-139.
329761. Col. No. R-140.
329762. Col. No. R-146.
329763. Col. No. R-147.
329764. Col. No. R-148.
329765. Col. No. R-149.
329766. Col. No. R-150. Local name Safra.
329767. Col. No. R-151. Seeds medium large, pearly white.
329768. Col. No. R-152.
329769. Col. No. R-153.
329770. Col. No. R-154. Local name Mugud.
329771. Col. No. R-155. Local name Adar.
329772. Col. No. R-156. Local name Mugud.
329773. Col. No. R-157.
329774. Col. No. R-158.
329775. Col. No. R-159.
329776. Col. No. R-160.
329777. Col. No. R-161. Local name Adar. Dark purple glumes, tomentose. Shatters.
329778. Col. No. R-162. Local name Adar.
329779. Col. No. R-163.

329250 to 330302—Continued**329253 to 330270—Continued**

329780. Col. No. R-164.

Al Khadra, Hormara Region. Local name Durra unless otherwise indicated.

329781. Col. No. R-166. Elevation 1,000 m. Local name Baza. Bitter.

329782. Col. No. R-167.

329783. Col. No. R-168. Local name Mugud.

329784. Col. No. R-169. Local name Adar. Shatters readily.

329785. Col. No. R-170. Elevation 1,000 m.

329786. Col. No. R-171.

329787. Col. No. R-172.

329788. Col. No. R-173. Local name Tajarib.

329789. Col. No. R-174. Local name Wad'Akr.

329790. Col. No. R-175.

329791. Col. No. R-176.

329792. Col. No. R-177. Local name Wad'Akr.

329793. Col. No. R-178.

329794. Col. No. R-181.

329795. Col. No. R-182.

329796. Col. No. R-183.

329797. Col. No. R-184.

329798. Col. No. R-185.

329799. Col. No. R-186. Local name Zerazera.

329800. Col. No. R-188.

329801. Col. No. R-190. Hegari-like.

329802. Col. No. R-191. Local name Wad-Akr.

329803. Col. No. R-192.

329804. Col. No. R-193.

329805. Col. No. R-194. Local name Zerazera.

329806. Col. No. R-196.

329807. Col. No. R-198. Local name Wad Faraj.

329808. Col. No. R-201. Local name Tajarib.

329809. Col. No. R-202.

329810. Col. No. R-203. Local name Tajarib.

329811. Col. No. R-204. Local name Wakaka.

329812. Col. No. R-205. Local name Tajarib.

South of Axum, Tigre Province.

329813. Col. No. R-213. Elevation 2,100 m. Heads cylindrical, semi-compact, 30 cm. long. Glumes straw colored with a sienna base, transversely creased, awns short. Seeds medium large, light tan.

329814. Col. No. R-214. Elevation 2,100 m. Heads cylindrical, semi-compact, 25 cm. long. Glumes $\frac{3}{4}$ of seeds, tan, long awned. Seeds medium large, tan.

329250 to 330302—Continued

329253 to 330270—Continued

329815. Col. No. R-215. Elevation 2,100 m. Heads cylindrical, semi-compact. Glumes $\frac{2}{3}$ of seed, straw color, awned. Seeds medium small, tan.
329816. Col. No. R-216. Elevation 2,100 m. Heads cylindrical, semi-compact. Glumes $\frac{2}{3}$ of seed, reddish brown, awned. Seeds medium small, tan.
329817. Col. No. R-218. Elevation 2,100 m. Heads cylindrical, semi-loose, 33 cm. long. Glumes $\frac{2}{3}$ of seeds, straw color, awned. Seeds medium small, pearly white.
329818. Col. No. R-219. Heads cylindrical, semicompact, 18 cm. long. Glumes $\frac{1}{2}$ of seeds, awns short. Seeds small, brownish red. High elevation type.
329819. Col. No. R-220. Heads open, 36 cm. long. Glumes $\frac{1}{2}$ of seed, brown, awned. Seed medium small, tan.
329820. Col. No. R-224. Heads open, 36 cm. long. Glumes cover the seed, mahogany, awned. Seeds small, brownish red. High elevation type.
329821. Col. No. R-228. Elevation 1,200 m. Heads cylindrical, semi-compact, 25 cm. long. Glumes straw color, $\frac{1}{2}$ of seeds. Seeds pearly white.
329822. Col. No. R-229. Elevation 1,200 m. Heads cylindrical, semi-compact. Glumes $\frac{1}{2}$ of seed, transversely creased, awned. Seeds medium large, pearly yellow.
329823. Col. No. R-230. Heads loose, 41 cm. long. Glumes $\frac{2}{3}$ of seeds, sienna, transversely creased, awned. Seeds pearly tan, medium large.
329824. Col. No. R-233. Elevation 1,400 m. Heads cylindrical, semi-compact, 20 cm. long. Glumes black, $\frac{1}{2}$ of seeds. Seeds medium small, chalky white.
329825. Col. No. R-234. Elevation 1,400 m. Heads cylindrical, semi-compact, 20 cm. long. Glumes $\frac{2}{3}$ of seeds, light sienna, awns short. Seeds light tan, medium small.
329826. Col. No. R-235. Heads cylindrical, semicompact. Glumes reddish brown, cover the seed. Seeds small.
329827. Col. No. R-239. Elevation 1,300 m. Heads open, 36 cm. long. Glumes $\frac{1}{2}$ of seeds, chocolate color. Seeds small, brown. Threshold good.
329828. Col. No. R-241. Elevation 1,420 m. Plants 4.2 m. tall, 14 nodes. Heads loose with weak extended rachis. Glumes $\frac{3}{4}$ of seeds, straw colored, awned. Seeds medium small, pearly tan.
329829. Col. No. R-242. Elevation 1,420 m. Heads cylindrical, semi-compact, 36 cm. long. Glumes $\frac{1}{2}$ of seeds, straw color. Seeds pearly brown, small.
329830. Col. No. R-243. Elevation 1,420 m. Heads cylindrical, semi-compact, 30 cm. long, seeds clustered. Glumes $\frac{1}{2}$ of seeds, straw colored, awned. Seeds medium large, pearly lemon white.
329831. Col. No. R-245. Elevation 1,400 m. Heads cylindrical, semi-compact, 25 cm. long. Glumes $\frac{1}{2}$ of seeds, sienna, shiny. Seeds medium large, white with a brown subcoat.
329832. Col. No. R-246. Heads cylindrical, semicompact, seeds clustered, 25 cm. long. Glumes $\frac{1}{2}$ of seeds, black. Seeds medium small, purplish tinged.

329250 to 330302—Continued

329253 to 330270—Continued

329833. Col. No. R-247. Heads open, 30 cm. long. Glumes extending beyond the seed, straw color. Seeds small, pearly lemon white.
329834. Col. No. R-249. Elevation 1,500 m. Heads cylindrical, semi-compact, 30 cm. long. Glumes $\frac{1}{2}$ of seeds, chocolate. Seeds chalky white.
329835. Col. No. R-250. Elevation 1,500 m. Heads open, 30 cm. long. Glumes cover the seed, straw color. Seeds small.
329836. Col. No. R-251. Elevation 1,500 m. Heads semi-open, seeds clustered, 20 cm. long. Glumes $\frac{1}{2}$ of seed, shiny chocolate. Seeds small, tan to pinkish tan.
329837. Col. No. R-252. Elevation 1,500 m. Heads cylindrical, semi-compact, seeds clustered, 25 cm. long. Glumes $\frac{1}{2}$ – $\frac{1}{2}$ of seeds, black. Seeds small, chalky white.
329838. Col. No. R-253. Elevation 1,500 m. Heads cylindrical, semi-compact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, black. Seeds tan with a pinkish tinge, resistant insect damage.
329839. Col. No. R-261. Local name Mashila. From the Chuahe market. Harvested from the Chelga areas SW. of Gondar, Begemder Province. Seeds pearly white.
329840. Col. No. R-265. Ten km. north of Gorgora, Begemder Province. Plants 1 m. tall, heads open. Glumes mahogany. Seeds small. *S. glabrescens* type.
329841. Col. No. R-269. Thirteen km. north of Gorgora, Begemder Province. Elevation 1,860 m. Heads open. Glumes $\frac{1}{2}$ of seed, tan purple, awned. Seeds brown to dark brown.
- South of Bahar Dar, Gojjam Province.
329842. Col. No. R-289. Elevation 1,650 m. Heads open. Glumes cover the seed, sienna, shiny, awned. Seeds small, red.
329843. Col. No. R-290. Elevation 1,650 m. Heads ovate, broad apex, semicompact. Glumes $\frac{1}{2}$ of seed, straw colored, awned. Seed small, brown. *S. subglabrescens* type.
329844. Col. No. R-291. Head broadly ovate, compact. Glumes $\frac{1}{2}$ of seeds, straw color, awns short. Seed small, brown.
329845. Col. No. R-302. Elevation 1,950 m. Heads open. Glumes cover the seed, sienna, shiny, awned. Seed small. *S. sudanense* type.
329846. Col. No. R-304. Elevation 2,100 m. Heads broadly ovate, compact. Glumes $\frac{1}{2}$ of seed, straw color, awns small. Seeds small, brown. *S. subglabrescens* var. *oviforme* type.
329847. Col. No. R-305. Elevation 2,100 m. Heads open, broadly ovate, compact. Glumes $\frac{1}{2}$ of seed, straw color, awns small. Seeds small, brown. *S. subglabrescens* var. *oviforme* type.
- Dejen, north side of the Blue Nile Gorge. Gojjam Province.
329848. Col. No. R-308. Elevation 2,550 m. Heads cylindrical, semi-compact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, straw colored, awned. Seeds small, light to dark brown.
329849. Col. No. R-309. Elevation 2,550 m. Heads cylindrical, semi-compact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, straw colored, awned. Seeds small, reddish brown. Similar to the high elevation closed head type.

329250 to 330302—Continued**329253 to 330270—Continued**

- 329850.** Col. No. R-310. Elevation 2,580 m. Heads cylindrical, semi-compact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, straw colored, awned. Seeds medium small, light dark brown.
- 329851.** Col. No. R-316. Elevation 2,300 m. Heads cylindrical, 20 cm. long, semicompact, seeds clustered. Glumes reddish brown, $\frac{1}{2}$ of seed, awned. Seeds small, brown.
- 329852.** Col. No. R-317. Elevation 2,300 m. Heads lanceolate to ovate, semicompact, 25 cm. long. Glumes $\frac{1}{3}$ of seeds, mahogany, awned. Seeds small, shiny red.
- 329853.** Col. No. 2,100 m. Heads cylindrical, semicompact, 20 cm. long. Glumes straw colored, pubescent, $\frac{1}{3}$ of seed. Seeds medium large, chalky white.
- 329854.** Col. No. R-320. Heads cylindrical to lanceolate. Glumes $\frac{1}{3}$ of seed, black. Seeds chalky white with a brown subcoat.
- 329855.** Col. No. R-321. Heads cylindrical, semicompact, seeds clustered. Glumes $\frac{1}{3}$ of seed, transversely creased, straw colored with sienna base, awns short. Seeds medium large, orange yellow, pearly. Appears to be high quality seed.
- 329856.** Col. No. R-322. Heads cylindrical, semi-open, 30 cm. long. Glumes $\frac{1}{2}$ of seed, brown, awns short. Seeds light brown.
- 329857.** Col. No. R-324. Elevation 1,850 m. Head cylindrical to broadly lanceolate, semicompact, seeds clustered, 36 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw colored, awns short. Seeds pearly lemon white. High quality seed.
- 329858.** Col. No. R-326. Elevation 1,500 m. Heads semiloose. Glumes $\frac{1}{2}$ of seeds, brown. Seeds medium large, chalky white with brown tinge.
- 329859.** Col. No. R-327. Elevation 1,500 m. Heads broadly lanceolate, semicompact, seed clustered, 46 cm. long. Glumes $\frac{1}{3}$ of seed, tan. Seed large, pearly tan. High quality.
- 329860.** Col. No. R-328. Elevation 1,500 m. Heads broadly lanceolate, semicompact, seeds clustered. Glumes $\frac{1}{3}$ of seeds, shiny black. Seeds medium large, chalky white.
- 329861.** Col. No. R-330. Elevation 2,100 m. Heads cylindrical, semi-compact, seeds clustered, 15 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, awned. Seed shiny, dark red. High elevation type.
- 329862.** Col. No. R-331. Elevation 2,300 m. Heads open, with weak extended rachis. Glumes $\frac{1}{3}$ of seed, mahogany, awned. Seeds small, reddish brown.
- 329863.** Col. No. R-336. Heads cylindrical, 15 cm. 1 ng. Glumes $\frac{3}{4}$ of seed, mahogany, awned. Seeds small, dark brown.

Market Chancho.

- 329864.** Col. No. R-337. Seeds red, amber and yellow.
- 329865.** Col. No. R-338. Seeds mixed, white, yellow and orange.
- 329866.** Col. No. R-339. Seeds mixed.
- 329867.** Col. No. R-340. Seeds orange.
- 329868.** Col. No. R-341. Seeds mixed.

East of Addis Ababa, Shoa and Harrar Provinces. Local name Mashila.

- 329869.** Col. No. R-301A. Elevation 2,250 m. On the Harrar road.

329250 to 330302—Continued**329253 to 330270—Continued**

329870.	Col. No. R-302A.	Elevation 2,250 m.	
329871.	Col. No. R-304A.	Elevation 2,100 m.	
329872.	Col. No. R-305A.	Elevation 2,100 m.	
329873.	Col. No. R-306A.	Elevation 2,100 m.	
329874.	Col. No. R-307A.	Elevation 2,100 m.	
329875.	Col. No. R-308A.	Elevation 1,950 m.	
329876.	Col. No. R-309A.	Elevation 2,250 m.	
329877.	Col. No. R-310A.	Elevation 2,100 m.	
329878.	Col. No. R-311A.	Elevation 2,100 m.	
329879.	Col. No. R-312A.	Elevation 1,950 m.	
329880.	Col. No. R-313A.	Harrar road.	
329881.	Col. No. R-314A.	Elevation 2,400 m.	
329882.	Col. No. R-315A.	Elevation 2,550 m.	
329883.	Col. No. R-316A.	Elevation 2,700 m.	
329884.	Col. No. R-317A.	Elevation 2,700 m.	
329885.	Col. No. R-318A.	Elevation 2,700 m.	
329886.	Col. No. R-319A.	Elevation 2,700 m.	
329887.	Col. No. R-320A.	Elevation 2,700 m.	
329888.	Col. No. R-321A.	Elevation 2,700 m.	
329889.	Col. No. R-322A.	Elevation 2,700 m.	
329890.	Col. No. R-323A.	Elevation 2,550 m.	
329891.	Col. No. R-324A.	Elevation 2,550 m.	
329892.	Col. No. R-325A.	Elevation 2,700 m.	
329893.	Col. No. R-326A.	Elevation 2,700 m.	
329894.	Col. No. R-327A.	Elevation 2,700 m.	
329895.	Col. No. R-328A.	Elevation 2,550 m.	
329896.	Col. No. R-329A.	Elevation 2,400 m.	
329897.	Col. No. R-330A.	Elevation 2,400 m.	
329898.	Col. No. R-331A.	Elevation 2,400 m.	Kulubi on Harrar road.
329899.	Col. No. R-332A.	Elevation 2,700 m.	
329900.	Col. No. R-333A.	Elevation 2,550 m.	
329901.	Col. No. R-334A.	Elevation 2,700 m.	
329902.	Col. No. R-335A.	Elevation 2,700 m.	
329903.	Col. No. R-336A.	Elevation 2,700 m.	
329904.	Col. No. R-337A.	Elevation 2,550 m.	
329905.	Col. No. R-338A.	Elevation 2,400 m.	
329906.	Col. No. R-339A.	Elevation 2,250 m.	
329907.	Col. No. R-341A.	Elevation 2,250 m.	
329908.	Col. No. R-342A.	Elevation 2,250 m.	
329909.	Col. No. R-343A.	Elevation 2,100 m.	
329910.	Col. No. R-344A.	Elevation 1,950 m.	

329250 to 330302—Continued

329253 to 330270—Continued

329911. Col. No. R-345A. Elevation 1,950 m.
 329912. Col. No. R-346A. Elevation 1,950 m. Near Alemaya.
 329913. Col. No. R-347A. Elevation 1,890 m. Near Alemaya.
 329914. Col. No. R-348A. Elevation 1,950 m. Near Alemaya.
 329915. Col. No. R-349A. Elevation 1,920 m. Alemaya.
 329916. Col. No. R-350A. Elevation 1,950 m. Near Harrar.
 329917. Col. No. R-351A. Elevation 2,700 m.

Collected by Haile Selassie University, College of Agriculture, Alemaya, at places indicated.

329918. Col. No. R-348. Nazareth, Shoa Province. Heads open, extended rachis. Glumes $\frac{3}{4}$ of seed, tan, awned. Seed small, light brown.
 329919. Col. No. R-349. Kobbo, Wollo Province. Head open, rachis retracted, 20 cm. Glumes $\frac{1}{2}$ of seed, awned.
 329920. Col. No. R-350. Hirna, Harrar Province. Head elliptical, semi-open, 18 cm. long. Glumes $\frac{2}{3}$ of seed, awned. Seed small.
 329921. Col. No. R-357. Arbereket, Harrar Province.
 329922. Col. No. R-358. Local name Eja Hara. Dedesa Valley.
 329923. Col. No. R-360. 'S-59-13-4'. Gambela, Illubabor Province.
 329924. Col. No. R-363. Harrar Province.
 329925. Col. No. R-367. Harrar Province.
 329926. Col. No. R-368. Harrar Province.
 329927. Col. No. R-370.
 329928. Col. No. R-371.
 329929. Col. No. R-372.
 329930. Col. No. R-373.
 329931. Col. No. R-374.
 329932. Col. No. R-375.
 329933. Col. No. R-376.
 329934. Col. No. R-377.
 329935. Col. No. R-378.
 329936. Col. No. R-379. Heads lanceolate, semicompact, seeds clustered, 25 cm. long. Glumes $\frac{1}{3}$ or less, purple and tan, transversely creased, awned short. Seeds pearly dark red. Selected from P.I. 329958.
 329937. Col. No. R-380. Heads broadly ovate, compact, 13 cm. long. Glumes less than $\frac{1}{2}$ of seed, transversely creased, tan-purplish-brown, awns short. Seeds medium small, reddish yellow, pearly.
 329938. Col. No. R-381. Heads cylindrical lanceolate, 23 cm. long, semi-compact. Glumes less than $\frac{1}{2}$ of seed, tan to straw color, awns short. Seeds small, dark red, pearly. Selected from P.I. 329964.
 329939. Col. No. R-382. Heads open, rachis extended, 36 cm. long. Glumes $\frac{1}{2}$ of seed, purple, transversely creased, awned. Seeds medium, pearly gray brown. Selected from P.I. 329967.
 329940. Col. No. R-383. Heads open, rachis extended, 36 cm. long. Glumes cover seed, purple, transversely creased, awned. Seeds medium, reddish brown.

329250 to 330302—Continued

329253 to 330270—Continued

329941. Col. No. R-384. Heads broadly ovate, 20 cm. long, compact, seeds clustered. Glumes $\frac{1}{2}$ of seed, transversely creased, brown, awns short. Seeds medium small, pearly brownish red. Selected from P.I. 329948.
329942. Col. No. R-385. Heads ovate, semicompact, seeds clustered, 20 cm. long. Glumes $\frac{1}{2}$ of seed, chocolate, transversely creased. Seeds medium large, pearly white. Selected from P.I. 329987.
329943. Col. No. R-386. Heads open, rachis extended, 36 cm. long. Glumes $\frac{1}{2}$ of seed, purple, transversely creased, awned. Seeds medium, yellowish brown.
329944. Col. No. R-387. Heads lanceolate, seeds clustered, compact, 25 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, transversely creased, awned. Seeds medium small, pearly dark red. Selected from P.I. 330009.
329945. Col. No. R-388. Heads open, extended rachis, 41 cm. long. Glumes cover seed, red mahogany, shiny, awned. Seeds medium, brown. Selected from P.I. 330026.
329946. Col. No. R-389. Heads open, rachis extended, 33 cm. long. Glumes $\frac{1}{2}$ of seed, shiny purple, awned. Seeds pearly, light brown, medium small.
329947. Col. No. R-401. Heads ovate, compact, 13 cm. long. Glumes $\frac{1}{2}$ of seed, light brown, awns short. Seeds medium large, broadly ovate, pearly, light tan.
329948. Col. No. R-402. Heads cylindrical to open, 46 cm. long. Glumes $\frac{1}{4}$ of seed, brown, awns short. Seeds medium small, dark reddish brown.
329949. Col. No. R-403. Heads ovate-lanceolate, semicompact, seeds clustered. Glumes $\frac{1}{2}$ of seeds, straw colored, awned. Seeds medium small, pearly tan.
329950. Col. No. R-405. Heads cylindrical lanceolate, semi-open, seeds clustered, 23 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awned. Seeds small, light brown.
329951. Col. No. R-406. Heads broadly ovate, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, awned. Seeds small, brown.
329952. Col. No. R-407. Heads cylindrical to semi-open, rachis extended. Glumes $\frac{1}{2}$ of seeds, black, awned. Seeds small, pearly light brown.
329953. Col. No. R-408. Heads ovate-lanceolate, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, tan, awned. Seeds medium small, brown.
329954. Col. No. R-409. Heads open, lax, rachis retracted. Glumes $\frac{1}{2}$ of seed, mahogany, awned. Seeds small, pearly brown.
329955. Col. No. R-410. Heads cylindrical, semi-open, rachis slightly retracted, 30 cm. long. Glumes $\frac{2}{3}$ of seeds, straw color reddish tinged, awned. Seeds small, tan.
329956. Col. No. R-411. Heads open, lax, retracted rachis. Glumes $\frac{1}{2}$ of the seed, straw color, awned. Seeds small, brown.
329957. Col. No. R-412. Heads cylindrical, semi-open, rachis slightly retracted. Glumes $\frac{1}{2}$ of seed, straw colored, awned. Seeds small, pearly brown.
329958. Col. No. R-413. Heads cylindrical to lanceolate, semi-open, seeds clustered, 20 cm. long. Glumes less than $\frac{1}{2}$ of seed, brown, awned. Seeds small, light brown.

329250 to 330302—Continued

329253 to 330270—Continued

329959. Col. No. R-414. Heads ovate, seeds clustered, semicompact, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awns short. Seeds medium large, broadly ovate, pearly tan.
329960. Col. No. R-416. Heads broadly ovate to lanceolate, semi-open, 41 cm. long. Glumes $\frac{1}{3}$ of seed, tan, awned. Seed medium small.
329961. Col. No. R-417. Heads cylindrical, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, tan, awned. Seeds small, brown.
329962. Col. No. R-420. Heads ovate, compact, 10 cm. long. Glumes less than $\frac{1}{2}$ of seed, tan, awns short. Seeds medium, pearly tan.
329963. Col. No. R-421. Heads cylindrical to open, 46 cm. long. Glumes $\frac{3}{4}$ of seed, brown, awns short. Seeds medium small, dark reddish brown.
329964. Col. No. R-422. Heads lanceolate, semicompact, 25 cm. long. Glumes $\frac{1}{2}$ of seeds, tan, awned. Seeds very small, reddish brown.
329965. Col. No. R-423. Heads open, extended rachis, 30 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, awned. Seeds small, pearly brown.
329966. Col. No. R-424. Heads ovate-lanceolate, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, tan, awned. Seeds medium small, brown.
329967. Col. No. R-425. Heads semicompact, open, rachis retracted, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, tan, awned. Seeds small, brown.
329968. Col. No. R-428. Heads ovate to lanceolate, semicompact, seeds clustered, 20 cm. long. Glumes $\frac{1}{2}$ of seed, purplish, awns short. Seeds small, tan.
329969. Col. No. R-429. Heads semicompact, open, rachis retracted, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, tan, awned. Seeds small, brown.
329970. Col. No. R-430. Heads cylindrical, semi-open, 30 cm. long. Glumes $\frac{1}{2}$ of seeds, mahogany, awns short. Seeds small, shiny red. High elevation type.
329971. Col. No. R-431. Heads ovate, compact, seeds clustered, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, dark brown mahogany. Seeds medium large, broadly ovate, pearly orange brown.
329972. Col. No. R-432. Heads ovate lanceolate, semicompact, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, mahogany, awned. Seeds medium small, pearly reddish tan.
329973. Col. No. R-434. Heads ovate lanceolate, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, tan, awned. Seeds medium small, brown.
329974. Col. No. R-435. Heads ovate, seeds clustered, very compact, 15 cm. long. Glumes less than $\frac{1}{2}$ of seeds, transversely creased, brown, awns short. Seeds medium large, broadly ovate, pearly lemon color.
329975. Col. No. R-436. Heads open, lax, rachis retracted. Glumes $\frac{3}{4}$ of seeds, tan with a mahogany base, awned. Seeds small, tan.
329976. Col. No. R-437. Heads ovate, compact, seeds clustered, 13 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awns short. Seeds medium small, pearly white.
329977. Col. No. R-438. Heads broadly ovate, seeds clustered, very compact, 15 cm. long. Glumes less than $\frac{1}{2}$ of seed, brown, awns short. Seeds small, brown.
329978. Col. No. R-439. Heads ovate-lanceolate, seeds clustered, 41 cm. long. Glumes $\frac{1}{2}$ of seeds, mahogany. Seeds medium small, light brown.

329250 to 330302—Continued**329253 to 330270—Continued**

329979. Col. No. R-440. Heads ovate, seeds clustered, semicompact, 18 cm. long. Glumes $\frac{1}{3}$ of seed, brown, awns short. Seeds medium small, broadly ovate, reddish light brown.
329980. Col. No. R-441. Heads open, rachis extended, 38 cm. long. Glumes $\frac{2}{3}$ of seeds, chocolate, awned. Seeds small, pearly brown.
329981. Col. No. R-442. Heads broadly ovate, seeds clustered, very compact. Glumes less than $\frac{1}{3}$ of seed, brown, awns short. Seeds small, light brown, pearly.
329982. Col. No. R-443. Heads cylindrical to lanceolate, seeds clustered, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, tan, awns short. Seeds small, reddish brown.
329983. Col. No. R-444. Heads open, rachis retracted. Glumes $\frac{1}{3}$ of seeds, tan, awns short. Seeds small, pearly brown.
329984. Col. No. R-445. Heads ovate, seeds clustered, very compact. Glumes $\frac{1}{3}$ of seed, straw color, awns short. Seeds medium small, broadly ovate, pearly white.
329985. Col. No. R-446. Heads cylindrical to open, extended rachis, 36 cm. long. Glumes $\frac{2}{3}$ of seeds, tan, awned. Seeds medium large, pearly brown.
329986. Col. No. R-447. Heads semi-open, retracted rachis. Glumes covers the seed, mahogany, awned. Seeds small.
329987. Col. No. R-448. Heads ovate lanceolate, semicompact, seeds clustered, 20 cm. long. Glumes $\frac{1}{3}$ of seed, brown. Seeds medium large, pearly tan.
329988. Col. No. R-449. Heads open lax, rachis retracted. Glumes cover the seed, straw color, awned. Seeds small, pearly tan.
329989. Col. No. R-451. Heads open, rachis retracted. Glumes $\frac{3}{4}$ of seed, awned. Seeds small.
329990. Col. No. R-452. Heads open, rachis retracted. Glumes $\frac{3}{4}$ of seed, awned. Seeds small.
329991. Col. No. R-453. Heads open, rachis extended. Glumes $\frac{1}{2}$ of seeds, straw colored, awned. Seeds small, pearly brown.
329992. Col. No. R-454. Heads ovate, semi-open, 20 cm. long. Glumes $\frac{1}{3}$ of seeds, tan, awns short. Seeds medium, pearly light tan.
329993. Col. No. R-455. Heads cylindrical lanceolate, semicompact. Glumes $\frac{1}{3}$ of seeds, brown, awned. Seeds small, pearly light brown.
329994. Col. No. R-456. Heads ovate, very compact, 10 cm. long. Glumes $\frac{1}{3}$ of seeds, dark brown, awned. Seeds medium large, pearly brown.
329995. Col. No. R-457. Heads open, rachis retracted. Glumes $\frac{3}{4}$ of seeds, awned. Seeds small.
329996. Col. No. R-458. Heads broadly ovate, very compact, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, purplish brown, awns short. Seeds small, brown.
329997. Col. No. R-459. Heads cylindrical to lanceolate. Glumes $\frac{1}{2}$ of seed, straw colored, awned. Seeds medium large, pearly lemon color.
329998. Col. No. R-460. Heads cylindrical, semi-open, 28 cm. long. Glumes $\frac{1}{3}$ of seeds, chocolate, awned. Seeds medium, light brown.
329999. Col. No. R-461. Heads cylindrical, semi-open, 30 cm. long. Glumes $\frac{1}{3}$ of seed, mahogany, awned. Seeds small, shiny red. High elevation type.

329250 to 330302—Continued

329253 to 330270—Continued

330000. Col. No. R-462. Heads ovate lanceolate, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awns short. Seeds medium, pearly white.
330001. Col. No. R-463. Heads ovate lanceolate, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awns short. Seeds medium, pearly white.
330002. Col. No. R-464. Heads cylindrical to lanceolate, semi-open, 30 cm. long. Glumes $\frac{1}{2}$ of seeds, transversely creased, black. Seeds small, shiny red. High elevation type.
330003. Col. No. R-465. Heads ovate, semicompact, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, tan, awned. Seeds small, light tan.
330004. Col. No. R-466. Heads ovate, very compact, seeds clustered, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awned. Seeds small, brown.
330005. Col. No. R-467. Heads broadly ovate, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awns short. Seeds medium large, broadly ovate, pearly reddish tan.
330006. Col. No. R-469.
330007. Col. No. R-471. Heads cylindrical, semi-open, 36 cm. long. Glumes $\frac{2}{3}$ of seeds, brown, awned. Seeds medium large, dark brown.
330008. Col. No. R-472. Heads ovate, very compact, 13 cm. long. Glumes $\frac{1}{2}$ of seeds, brown awned. Seeds medium large, broadly ovate, pearly reddish brown.
330009. Col. No. R-473. Heads cylindrical to lanceolate, 28 cm. long. Glumes $\frac{1}{2}$ of seeds, brown chocolate, awned. Seeds small, red.
330010. Col. No. R-475. Heads cylindrical, semi-open, 36 cm. long. Glumes $\frac{2}{3}$ of seeds, brown, awned. Seeds medium large, dark brown.
330011. Col. No. R-476. Heads cylindrical, semi-open, 36 cm. long. Glumes $\frac{2}{3}$ of seeds, brown, awned. Seeds medium large, dark brown.
330012. Col. No. R-477. Heads cylindrical, semi-open, rachis extended, 36 cm. long. Glumes $\frac{2}{3}$ of seeds, brown, awned. Seeds medium large, dark brown.
330013. Col. No. R-478. Heads broadly lanceolate, semi-open, 30 cm. long. Glumes $\frac{1}{2}$ of seeds, straw colored, awned. Seeds medium large, broadly ovate, pearly lemon color with red tinge.
330014. Col. No. R-479. Heads ovate, very compact, seeds clustered, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, short awned. Seeds medium, brown.
330015. Col. No. R-480. Heads open, extended, rachis, 41 cm. long. Glumes cover seed, tan brown, awned. Seeds small, brown.
330016. Col. No. R-481. Heads cylindrical lanceolate, semicompact, 20 cm. long.
330017. Col. No. R-482. Heads broadly ovate, very compact, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, awn short. Seeds small.
330018. Col. No. R-483. Heads cylindrical, semi-open, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, straw color, awned. Seeds small, pearly brown.
330019. Col. No. R-484. Heads open, lax, rachis retracted. Glumes $\frac{3}{4}$ of seeds, transversely creased, tan, sienna base, awned. Seeds small, pearly brown.
330020. Col. No. R-485. Heads lanceolate, semi-open, 30 cm. long. Glumes $\frac{1}{2}$ of seeds, tan to brown, awned. Seeds small, red. High elevation type.

329250 to 330302—Continued

329253 to 330270—Continued

330021. Col. No. R-486. Heads ovate, semi-open, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awned. Seeds medium large, broadly ovate, pearly white.
330022. Col. No. R-487. Heads open rachis extended. Glumes $\frac{1}{2}$ of seeds, brown, awn. Seeds small, shiny reddish brown. High elevation type.
330023. Col. No. R-488. Heads broadly lanceolate, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awned. Seeds reddish brown, small.
330024. Col. No. R-489. Heads broadly ovate, very compact, seeds clustered, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, brown, awns short. Seeds medium, light brown.
330025. Col. No. R-490. Heads open, rachis retracted, 20 cm. long. Glumes $\frac{1}{2}$ of seed, straw colored, awned. Seeds small, pearly tan.
330026. Col. No. R-491. Heads lanceolate, semi-open, 36 cm. long. Glumes cover the seed, reddish brown, awned. Seeds small, brown.
330027. Col. No. R-492. Heads open, rachis extended. Glumes $\frac{2}{3}$ of seeds, tan, awned. Seeds small, pearly light brown.
330028. Col. No. R-493. Heads broadly elliptical, semicompact, 25 cm. long. Glumes $\frac{1}{2}$ of seed, black, awned. Seeds medium large, pearly white.
330029. Col. No. R-494. Heads broadly elliptical, open, strong extended rachis, 25 cm. long. Glumes $\frac{2}{3}$ of seed, chocolate, awned. Seeds small, shiny brown.
330030. Col. No. R-495. Heads open, rachis extended, 30 cm. long. Glumes $\frac{1}{2}$ of seeds, mahogany, awned. Seeds small, light brown.
330031. Col. No. R-496. Heads open, semiretracted rachis, 20 cm. long. Glumes $\frac{1}{2}$ of seed, straw colored, awned. Seeds medium large, broadly ovate, pearly white.
330032. Col. No. R-497. Heads broadly ovate, very compact, seed clustered. Glumes $\frac{1}{2}$ of seed, reddish brown, awned. Seeds small.
330033. Col. No. R-498. Heads semi-open, rachis slightly retracted; glumes one-third of seed, straw color, awned; seeds medium large, broadly ovate, lemon, pearly.
330034. Col. No. R-499. Heads broadly ovate, very compact, seed clustered, 15 cm. long; glumes one-third of seed, brown, awned; seed small, brown.
330035. Col. No. R-500. Heads open, rachis retracted, 15 cm. long; glumes one-half of seed, tan, awned; seed small, tan.
Local name Mashila.
330036. Col. No. R-501. Head medium long, semicompact, cylindrical to lanceolate, seed clustered; glumes medium, sienna, tan, wrinkled; awns long, conspicuous; seed medium large, reddish yellow.
330037. Col. No. R-502. Head medium, semicompact, broadly ovate, seed clustered; glumes short, purple tan, tomentose, wrinkled; awns medium long, conspicuous; seed large, yellow.
330038. Col. No. R-503. Head large, semicompact, cylindrical to lanceolate, seed clustered; glumes medium long, purple, tomentose, wrinkled; awns medium long, inconspicuous; seed large, brownish.
330039. Col. No. R-504. Head medium, semicompact to semi-open, cylindrical to lanceolate; glumes medium short, purple, tan, wrinkled; awns short, inconspicuous; seed medium large, light reddish brown, semiglobose.

329250 to 330302—Continued

329253 to 330270—Continued

330040. Col. No. R-505. Head medium, semicompact, cylindrical to lanceolate, seed clustered; glumes long, purple, tan, tomentose, persistent; awns medium, semiconspicuous; florets pedicelled; seed medium long; brown.
330041. Col. No. R-506. Head medium large; glumes medium long, purple, wrinkled; awns medium long, semiconspicuous; seed medium, reddish yellow.
330042. Col. No. R-507. Head medium, compact, lanceolate, seed clustered; glumes medium short, purple, tan, wrinkled; awns medium, inconspicuous; seed medium, dark red, semiglobose.
330043. Col. No. R-508. Head medium small, very compact, ovate, seed clustered; glumes short, purple, tan, wrinkled; awns very inconspicuous; seed medium, white. Durra type.
330044. Col. No. R-509. Head large, semicompact to compact, seed clustered; glumes medium, purple, tan, transverse wrinkled; awns medium short, semiprominent; seed medium, dark red, semiglobose.
330045. Col. No. R-510. Head large, semicompact to semi-open, broadly ovate, seed clustered; glumes medium long, purple, tomentose, wrinkled; awns medium short, semiconspicuous; seed medium long, gray brown, semiglobose.
330046. Col. No. R-511. Head medium, compact, seed clustered; glumes medium short, purple, wrinkled; awns small, semiconspicuous; seed medium, dark red.
330047. Col. No. R-512. Head medium, compact, broadly ovate, seed clustered; glumes short, mahogany, wrinkled; awns short, semiconspicuous; seed medium large, reddish yellow, slightly dimpled.
330048. Col. No. R-513. Head large, long, semicompact to semi-open, lanceolate, seed clustered; glumes medium short, purple, tan, transverse wrinkled; awns medium; seed medium large, reddish brown, semiglobose.
330049. Col. No. R-514. Head large, semi-open, cylindrical to semi-lanceolate; glumes medium long, purple, tomentose, wrinkled; awns medium long, semiconspicuous; seed medium small, yellowish red.
330050. Col. No. R-515. Head medium, semicompact, lanceolate, seed clustered; glumes medium long, purple, tan, tomentose; awns short, inconspicuous; seed medium, white.
330051. Col. No. R-516. Head medium, semicompact to semi-open, cylindrical to lanceolate; glumes medium short, sienna, tan, tomentose; awns medium short, inconspicuous; seed medium, dark red.
330052. Col. No. R-517. Head medium, compact, lanceolate, seed clustered; glumes short, purple, tan; awns medium, inconspicuous; seed medium small, red. Twin seeded.
330053. Col. No. R-518. Head medium small, very compact, ovate, seed clustered; glumes short, purple, tan, wrinkled; awns small, inconspicuous; seed medium large, light reddish yellow. Durra type.
330054. Col. No. R-519. Head medium small, semicompact, lanceolate, seed clustered; glumes medium, purple, tan, tomentose, wrinkled; awns medium small, inconspicuous; seed medium large, semiglobose.
330055. Col. No. R-520. Head small, very compact, obovate, seed clustered; glumes short, tan, tomentose; seed medium, white. Durra type.

329250 to 330302—Continued**329253 to 330270—Continued**

- 330056.** Col. No. R-521. Head small, compact, lanceolate, seed clustered; glumes medium short, purple; seed medium, white.
- 330057.** Col. No. R-522. Head large, semicompact to compact, seed clustered; glumes medium short, purple, tomentose, wrinkled; awns medium long, inconspicuous; seed large, light brown.
- 330058.** Col. No. R-523. Head medium, semicompact to compact, cylindrical to ovate, seed clustered; glumes short, mahogany, transverse wrinkled; seed medium large, reddish yellow.
- 330059.** Col. No. R-524. Head medium, semicompact, seed clustered; glumes short, purple, tan, tomentose; seed medium large, yellowish white.
- 330060.** Col. No. R-525. Head small, very compact, ovate, seed clustered; glumes short, tan, tomentose; awns short, inconspicuous; seed medium. Durra type.
- 330061.** Col. No. R-526. Head medium small, semicompact to semi-open, cylindrical to broadly ovate; glumes medium long, purple, tan tomentose, wrinkled; seed medium, white, semiglobose.
- 330062.** Col. No. R-527. Head small, very compact, ovate, seed clustered; glumes short, mahogany; seed medium, light yellow. Durra type.
- 330063.** Col. No. R-528. Head medium, semicompact, cylindrical to lanceolate; glumes medium long, purple, semitomentose, wrinkled; awns medium, semi-inconspicuous; seed medium large, light red, semiglobose.
- 330064.** Col. No. R-529. Head medium small, semicompact to semi-open, broadly ovate, seed clustered; glumes medium long, tan, tomentose, wrinkled; awns medium long, semiconspicuous; seed medium large, white, semiglobose.
- 330065.** Col. No. R-530. Head medium small, very compact, ovate, seed clustered; glumes short, purple, tan; seed medium, light. Durra type.
- 330066.** Col. No. R-531. Head medium, compact, short cylindrical to ovate, seed clustered; glumes short, purple to tan, wrinkled; awns semi-inconspicuous; seed medium large, light yellow. Durra type.
- 330067.** Col. No. R-532. Head medium small, semicompact, lanceolate, seed clustered; glumes medium short, mahogany, tomentose, wrinkled; awns medium, conspicuous; seed medium, dark red.
- 330068.** Col. No. R-533. Head medium small, very compact, seed clustered; glumes short, mahogany, wrinkled; awns short, inconspicuous; seed medium large, yellowish red, dimpled. Durra type.
- 330069.** Col. No. R-534. Head medium, semicompact to semi-open, cylindrical; glumes medium short, tan, tomentose, wrinkled; awns medium long, semiconspicuous; seed large, white, semiglobose.
- 330070.** Col. No. R-535. Head medium, seed clustered; glumes short, dark mahogany, tan, wrinkled; awns inconspicuous; seed medium small, dark red, semiglobose.
- 330071.** Col. No. R-536. Head medium small, very compact, ovate, seed clustered; glumes short, tan, wrinkled; awns short, inconspicuous; seed medium large, yellow. Durra type.
- 330072.** Col. No. R-537. Head small, very compact, ovate, seed clustered; glumes short, tan, tomentose; seed medium, white, semiglobose. Durra type.

329250 to 330302—Continued

329253 to 330270—Continued

330073. Col. No. R-538. Head medium small, very compact, ovate, seed clustered; glumes short, tan, wrinkled; seed medium, white. Durra type.
330074. Col. No. R-539. Head medium, semicompact, cylindrical to lanceolate, seed clustered; glumes medium long, purple, tan, wrinkled; awns medium, inconspicuous; seed medium, brown, semiglobose.
330075. Col. No. R-540. Head medium large, semi-open, seed clustered; glumes medium, purple, tan, wrinkled; awns short, inconspicuous; florets pedicelled; seed medium, reddish brown, semiglobose.
330076. Col. No. R-541. Head medium small, semicompact, lanceolate, seed clustered; glumes medium, purple, tan, tomentose, wrinkled; awns long, semiconspicuous; seed medium large, reddish brown, semiglobose.
330077. Col. No. R-542. Head very small, very compact, ovate, seed clustered; glumes medium short, purple; awns medium, inconspicuous; seed medium small, white. Durra type.
330078. Col. No. R-543. Head large, semicompact to semi-open, broadly lanceolate, seed clustered; glumes medium long, purple, wrinkled; awns lanceolate, inconspicuous; seed medium large, reddish brown.
330079. Col. No. R-544. Head small, semi-open, lanceolate; glumes long, purple, tomentose, persistent; awns medium long, conspicuous; seed medium, brown. Durra type.
330080. Col. No. R-545. Head medium, compact, seed clustered; glumes short, purple, tan, wrinkled; seed medium large, reddish yellow.
330081. Col. No. R-546. Head medium large, seed clustered; glumes medium long, purple; seed medium, yellowish red, semiglobose. Durra type.
330082. Col. No. R-548. Head large; glumes medium, purple, tan, semitomentose; awns medium long, conspicuous; seed medium, yellowish red, semiglobose.
330083. Col. No. R-549. Head large, compact to semicompact, lanceolate, seed clustered; glumes medium short, purple, tan, tomentose, wrinkled; awns short, inconspicuous; florets pedicelled; seed medium large, dark reddish brown.
330084. Col. No. R-550. Head medium large, semicompact to semi-open, cylindrical to semilanceolate; glumes medium long, purple, tan, tomentose, wrinkled; awns medium, conspicuous; seed medium, reddish brown.
330085. Col. No. R-551. Head large, semicompact to compact, cylindrical to lanceolate, seed clustered; glumes medium, purple, wrinkled; awns medium, inconspicuous; seed medium large, reddish brown, semiglobose.
330086. Col. No. R-552. Head medium large, very compact, obovate, seed clustered; glumes short, mahogany, tan, semitomentose; awns short, inconspicuous; seed medium, yellowish red, semiglobose. Durra type.
330087. Col. No. R-553. Head medium large, semicompact to compact, seed clustered; glumes medium short, purple, tomentose, wrinkled; awns medium short, inconspicuous; seed medium, brownish red, semiglobose to semiturtleback.
330088. Col. No. R-554. Head medium, seed clustered; glumes medium short, purple, wrinkled; awns medium, conspicuous; seed medium small, reddish yellow, semiglobose.

329250 to 330302—Continued**329253 to 330270—Continued**

- 330089.** Col. No. R-555. Head large, very compact, obovate, seed clustered; glumes short, tan, tomentose; awns short, inconspicuous; seed medium, yellowish red. Durra type.
- 330090.** Col. No. R-556. Head medium small, compact, lanceolate, seed clustered; glumes short, mahogany, tan, wrinkled, awns very short, very inconspicuous; seed medium, dark red, semiglobose.
- 330091.** Col. No. R-557. Head medium small, semicompact, cylindrical, seed clustered; glumes short, mahogany, tan; awns short, inconspicuous; seed medium small, dark red, semiglobose.
- 330092.** Col. No. R-558. Head medium large, semicompact, broadly ovate, seed clustered; glumes medium, purple, tomentose, wrinkled; seed medium large, brownish yellow.
- 330093.** Col. No. R-559. Head medium, semicompact to compact, cylindrical to lanceolate, seed clustered; glumes medium short, tan, semitomentose; seed medium large, white, semiglobose.
- 330094.** Col. No. R-560. Head medium, semicompact, cylindrical to lanceolate, seed clustered; glumes medium short, purple, tan, tomentose, wrinkled; seed medium large, white, semiglobose.
- 330095.** Col. No. R-561. Head medium, compact to semicompact, broadly elliptic, seed clustered; glumes medium, purple, tomentose, wrinkled; awns short, inconspicuous; seed medium large, brownish red, semiglobose to semiturtleback.
- 330096.** Col. No. R-562. Head medium large, semicompact, cylindrical to lanceolate, seed clustered; glumes short, tan, tomentose, wrinkled; seed large, brown.
- 330097.** Col. No. R-563. Head medium, semicompact to semi-open, cylindrical to lanceolate; glumes medium short, purple, tan, tomentose, wrinkled; seed medium large, reddish brown, semiturtleback.
- 330098.** Col. No. R-564. Head medium, semicompact, cylindrical, seed clustered; glumes medium short, purple, tan, tomentose, wrinkled; awns short, inconspicuous; seed medium large, brownish red, semiglobose.
- 330099.** Col. No. R-565. Head medium, semicompact to semi-open, lanceolate, seed clustered; glumes long, purple, tomentose, wrinkled; awns short, inconspicuous; seed medium small, yellow.
- 330100.** Col. No. R-566. Head medium, semicompact, cylindrical to lanceolate, seed clustered; glumes medium short, purple, tomentose; seed medium to medium large, yellowish red.
- 330101.** Col. No. R-567. Head medium large, semicompact, broadly elliptic, seed clustered; glumes medium short, purple, tan, tomentose, wrinkled; awns medium short, conspicuous, seed medium, yellowish red, semiglobose.
- 330102.** Col. No. R-568. Head medium, long, open to spreading, broadly ovate; glumes medium, purple, tan, very tomentose, wrinkled; awns medium, inconspicuous; seed medium to medium large, brown.
- 330103.** Col. No. R-569. Head medium large, semicompact, cylindrical to lanceolate; glumes medium, mahogany, tan, tomentose, wrinkled; awns short, inconspicuous; seed medium, brownish red, semiglobose to semiturtleback.
- 330104.** Col. No. R-570. Head large, semicompact, cylindrical to lanceolate, seed clustered; glumes medium short, purple, wrinkled; seed medium small, dark red, semiglobose.

329250 to 330302—Continued**329253 to 330270—Continued**

- 330105.** Col. No. R-571. Head medium large, long, semicompact, cylindrical to lanceolate; glumes medium long, mahogany, tomentose, wrinkled; seed medium to medium large, reddish yellow, semiglobose.
- 330106.** Col. No. R-572. Head medium large, semicompact, cylindrical to lanceolate, seed clustered; glumes medium short, purple, tan, tomentose, wrinkled; awns short, inconspicuous; seed medium to medium large, semiglobose.
- 330107.** Col. No. R-573. Head medium, semicompact to compact, cylindrical to semilanceolate, seed clustered; glumes medium short, purple, tan, tomentose, wrinkled; awns short, inconspicuous; seed medium, white, semiglobose.
- 330108.** Col. No. R-574. Head medium, semi-open to semicompact, broadly ovate, seed clustered; glumes short, purple, tan, wrinkled; seed medium, white, semiglobose.
- 330109.** Col. No. R-575. Head medium small, semi-open to semicompact, broadly lanceolate; glumes medium short, purple, tan, tomentose, wrinkled; seed medium to medium small, white, semiglobose.
- 330110.** Col. No. R-576. Head medium small, semi-open, cylindrical to lanceolate; glumes medium long, sienna, tan, semitomentose; seed medium, white, semiglobose.
- 330111.** Col. No. R-577. Head medium large, semi-open to open, broadly elliptic; glumes medium short, purple, semitomentose, wrinkled; awns medium, semi-inconspicuous, seed medium to medium small, red, semiglobose.
- 330112.** Col. No. R-578. Head medium, semi-open, broadly lanceolate; glumes medium long, purple to chocolate, semitomentose, wrinkled; awns short, inconspicuous; florets staminate; seed medium, red, semiglobose.
- 330113.** Col. No. R-579. Head medium large, semicompact, lanceolate, seed clustered; glumes medium short, mahogany, tan, wrinkled; awns medium short, semiconspicuous; seed medium to medium small, dark red; semiglobose.
- 330114.** Col. No. R-580. Head very large, long, open, broadly ovate, seed clustered; glumes medium long, mahogany, tomentose, wrinkled; awns inconspicuous; florets pedicelled; seed medium small, reddish yellow, semiglobose.
- 330115.** Col. No. R-581. Head medium large, semi-open to semicompact, broadly elliptic; glumes medium, purple, wrinkled; awns medium, inconspicuous; seed medium small, reddish yellow, semiglobose.
- 330116.** Col. No. R-582. Head medium large, long, semicompact, lanceolate; glumes medium short, purple, tan, tomentose, wrinkled; seed medium large, reddish yellow, semiglobose.
- 330117.** Col. No. R-583. Head medium, semicompact, cylindrical to lanceolate, seed clustered; glumes medium, mahogany, tomentose, wrinkled; awns very short, inconspicuous; seed medium large, white, semiglobose.
- 330118.** Col. No. R-584. Head medium, compact to semicompact, lanceolate, seed clustered; glumes short, purple, wrinkled; awns short, inconspicuous; seed medium small, dark red, semiglobose.
- 330119.** Col. No. R-585. Head large, long, semicompact to compact, cylindrical to lanceolate; glumes medium, tan, tomentose, wrinkled; awns inconspicuous; seed medium large to large, semiglobose.

329250 to 330302—Continued

329253 to 330270—Continued

330120. Col. No. R-586. Head medium, long, semicompact, lanceolate; glumes medium, mahogany, tan, wrinkled; awns short, inconspicuous; seed small, dark red, semiglobose to semiturtleback.
330121. Col. No. R-587. Head medium large, semi-open to spreading; glumes medium long, purple, wrinkled; awns medium short, semiconspicuous; seed medium small, reddish yellow, semiglobose.
330122. Col. No. R-588. Head medium, very compact, broadly elliptic, seed clustered; glumes short, purple, tan, tomentose, wrinkled; seed medium large, brownish yellow. Durra type.
330123. Col. No. R-589. Head medium to long, semicompact to semi-open, lanceolate; glumes medium long, purple, tan, wrinkled; awns medium, inconspicuous; seed medium, reddish yellow.
330124. Col. No. R-590. Head medium large, semi-open to semicompact, broadly elliptic; glumes medium long, purple, tan, wrinkled; awns short, inconspicuous; seed medium to medium small, brownish yellow.
330125. Col. No. R-591. Head medium, compact, lanceolate, seed clustered; glumes medium, purple, wrinkled; awns medium, very inconspicuous; seed medium, dark reddish brown.
330126. Col. No. R-592. Head medium, semicompact, lanceolate, seed clustered; glumes medium long, chocolate; seed medium, dark brownish red.
330127. Col. No. R-593. Head medium small, semicompact to compact, elliptic, seed clustered; glumes medium short, purple, tomentose, wrinkled; awns medium, inconspicuous; seed medium, dark red.
330128. Col. No. R-594. Head medium, semicompact to semi-open, cylindrical to semi-elliptic, seed clustered; glumes medium, chocolate, tan, tomentose, wrinkled; awns short, inconspicuous; seed medium white, semiglobose.
330129. Col. No. R-595. Head small, compact, elliptic, seed clustered; glumes short, purple, tomentose; seed medium, white, semiturtleback. Durra type.
330130. Col. No. R-596. Head large, very compact, ovate, seed clustered; glumes short, purple, tomentose, wrinkled; awns short, inconspicuous; seed medium large, reddish yellow. Durra type.
330131. Col. No. R-597. Head medium, long, semicompact to compact, cylindrical to lanceolate, seed clustered; glumes medium short, tan, wrinkled; awns medium short, semiconspicuous; seed medium, brownish red.
330132. Col. No. R-598. Head medium large, compact to very compact, elliptic to lanceolate, seed clustered; glumes medium short, purple, tomentose, wrinkled; awns medium short, inconspicuous; seed medium, reddish yellow. Durra type.
330133. Col. No. R-599. Head small, very compact to compact, elliptic to ovate, seed clustered; glumes medium short, mahogany, very tomentose; awns short, inconspicuous; seed medium large, brownish red. Durra type.
330134. Col. No. R-600. Head medium small, compact to semicompact, cylindrical to lanceolate, seed clustered; glumes medium short, purple, tan, tomentose, wrinkled; awns short, very inconspicuous; seed medium, white.

329250 to 330302—Continued

329253 to 330270—Continued

330135. Col. No. R-601. Head medium small to medium, compact to semicompact, cylindrical to lanceolate, seed clustered; glumes medium short, purple, tan, tomentose, wrinkled; awns short, very inconspicuous; seed medium, reddish yellow, semiglobose.
330136. Col. No. R-602. Head medium, compact to semi-compact, cylindrical to lanceolate, seed clustered; glumes medium short, purple, tan, tomentose, wrinkled; awns medium short, inconspicuous; seed medium, white, semiglobose.
- North of Debre Sina, Shoa Province. Elevation 1,500-1,600 m.
330137. Col. No. P-1. Plant 3.6 m. high. Heads open, 30 cm. long and 20 cm. wide, rachis extended. Glumes $\frac{1}{2}$ of seed, brown, transversely creased, awned. Seeds medium, reddish brown.
330138. Col. No. P-2. Heads broadly ovate, to 15 cm. long, seeds clustered. Glumes less than $\frac{1}{2}$ of seed, straw color, awns obscure. Seeds medium small, pearly lemon. Good quality seed.
330139. Col. No. P-3. Heads broadly ovate, to 15 cm. long, seeds clustered. Glumes less than $\frac{1}{2}$ of seed, straw color, awns obscure. Seeds medium, pearly lemon. Good quality seed.
330140. Col. No. P-4. Heads loose, lax, 46 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, awned. Seeds small, reddish brown.
330141. Col. No. P-5. Heads ovate, semicompact, 13 cm. long. Glumes less than $\frac{1}{2}$ of seed, dark brown, awned. Seeds medium small, pearly dark yellow. Stems sweet and juicy.
330142. Col. No. P-6. Heads ovate, semicompact, 18 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw color, awned. Seeds medium small, pearly dark yellow. Stems sweet and juicy.
330143. Col. No. P-7. Heads cylindrical lanceolate, seeds clustered, 20 cm. long. Glumes less than $\frac{1}{2}$ of seeds, straw color, awned. Seeds medium large, pearly yellowish orange.
330144. Col. No. P-8. Heads ovate lanceolate, semicompact, seeds clustered, 25 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw color. Seed medium, pearly white.
330145. Col. No. P-9. Heads ovate lanceolate, semicompact, seeds clustered, 30 cm. long. Glumes $\frac{1}{2}$ of seed, straw color. Seed medium large, white to pearly white.
330146. Col. No. P-10. Heads broadly ovate, very compact, seeds clustered, 13 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw color, awned. Seeds medium small, pearly yellow to pearly orange.
330147. Col. No. P-11. Heads broadly elliptical, to 30 cm. long, seeds clustered. Glumes less than $\frac{1}{2}$ of seed, brown, awned. Seeds medium large, pearly orange.
330148. Col. No. P-12. Heads broadly elliptical, to 30 cm. long; seeds clustered. Glumes less than $\frac{1}{2}$ of seed, straw color, awned. Seeds medium large, pearly lemon.
330149. Col. No. P-13. Heads broadly ovate, very compact, to 20 cm. long, seeds clustered. Glumes less than $\frac{1}{2}$ of seed, light brown, awned. Seeds medium, pearly lemon.
330150. Col. No. P-14. Local name Lolaibalash. Heads open, 38 cm. long. Glumes $\frac{1}{2}$ of seed, brown, awned. Seeds large, pearly rose tan.
330151. Col. No. P-15. Heads conical, very compact, seeds clustered, 13 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw color. Seeds twinned, small, white.

329250 to 330302—Continued

329253 to 330270—Continued

330152. Col. No. P-16. Heads open, loose, rachis retracted. Glumes $\frac{1}{2}$ of seed, black, awned. Seeds medium, pearly white.
330153. Col. No. P-18. Heads loose, semi-open, 46 cm. long. Glumes $\frac{1}{2}$ of seed, light brown, awned. Seeds medium large, pearly rose tan.
330154. Col. No. P-19. Heads cylindrical, semicompact, 30 cm. long. Glumes $\frac{1}{2}$ to $\frac{1}{2}$ of seed, straw color, awned. Seeds medium large, chalky white with reddish purple under coat.
330155. Col. No. P-20. Heads cylindrical, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seed, black. Seeds chalky white with brown subcoat (Feterita type).
330156. Col. No. P-21. Plant crookneck. Heads ovate, very compact, 13 cm. long. Glumes less than $\frac{1}{2}$ of seed, brown, awned. Seeds twinned, small, reddish-brown.
330157. Col. No. P-22. Heads broadly ovate to lanceolate, 28 cm. long, seeds clustered. Glumes less than $\frac{1}{2}$ of seed, straw color, awned. Seed large, pearly lemon.
330158. Col. No. P-23. Heads broadly ovate to lanceolate, 18 cm. long, very compact, seeds clustered. Glumes less than $\frac{1}{2}$ of seeds, light brown, awned. Seeds medium large, pearly orange.
330159. Col. No. P-25. Heads ovate cylindrical, compact, to 20 cm. long. Glumes less than $\frac{1}{2}$ of seeds, brown. Seeds twinned, medium, brown.
330160. Col. No. P-26. Heads cylindrical, semicompact, to 25 cm. long, seeds clustered. Glumes $\frac{1}{2}$ of seed, black. Seeds medium, chalky white with brown subcoat.
330161. Col. No. P-27. Heads semiloose, 30 cm. long. Glumes $\frac{1}{2}$ of seeds, black. Seeds medium small, chalky white with brown subcoat.
330162. Col. No. P-28. Heads ovate, very compact, seeds clustered, to 15 cm. long. Glumes mahogany, $\frac{1}{2}$ of seed, awned. Seeds medium, pearly orange.
330163. Col. No. P-29. Heads open, 46 cm. long. Glumes purplish-black, transversely creased, awned. Seeds medium large, rugose, rose tan.
330164. Col. No. P-30. Heads elliptical to cylindrical, semicompact, 28 cm. long. Glumes $\frac{1}{2}$ of seed, black. Seeds white to light tan, brown subcoat.
330165. Col. No. P-31. Plant 5.4 m tall. Heads lanceolate, compact, 46 cm. long. Glumes pubescent, straw color. Seeds medium, pinkish tinged white.
330166. Col. No. P-32. Plant 4.5 m tall. Heads semicompact, cylindrical, 46 cm. long. Glumes $\frac{1}{2}$ of seed, straw color, pubescent, awned. Seeds white tan.
- North of Weldiya, Wollo Province. Elevation 1,600 m.
330167. Col. No. P-34. Heads cylindrical, semicompact, 15 cm. long. Glumes $\frac{1}{2}$ of seed, chocolate brown, transversely creased. Seeds medium, chocolate brown.
330168. Col. No. P-35. Heads cylindrical, semicompact, 18 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw color. Seeds medium, white. *Durra caudatum* type.
330169. Col. No. P-36. Heads lanceolate cylindrical, semiloose, 30 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw color, awned. Seeds broadly obovate, white.

329250 to 330302—Continued

329253 to 330270—Continued

330170. Col. No. P-37. Heads ovate elliptical, compact, 15 cm. long. Glumes less than $\frac{1}{2}$ of seed, mahogany, awned. Seeds medium small, pearly lemon. Seed of good quality.
330171. Col. No. P-38. Heads semi-open, lanceolate, 30 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw color, awns obscure. Seeds medium large, broadly ovate, lemon tan.
330172. Col. No. P-39. Heads lanceolate, semi-open, 18 cm. long. Glumes $\frac{1}{2}$ of seed, black tan. Seeds chalky white with a brown subcoat.
330173. Col. No. P-40. Heads ovate, compact, seeds clustered, 13 cm. long. Glumes less than $\frac{1}{2}$ of seeds, mahogany, awned. Seeds small, pearly yellow. Seed good quality.
330174. Col. No. P-41. Heads semi-open, 30 cm. long. Glumes $\frac{1}{2}$ of seed, brown, transversely creased. Seeds medium, broadly ovate, orange brown.
330175. Col. No. P-42. Heads semi-open, 30 cm. long. Glumes $\frac{1}{2}$ of seed, straw color, awned. Seeds large, broadly ovate, brown tan, pearly. A good quality seed.
330176. Col. No. P-43. Heads ovate, compact, seeds clustered, flattened apex, 18 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, awned. Seeds medium small, orange brown.
330177. Col. No. P-45. Heads semi-open, 41 cm. long. Glumes $\frac{1}{2}$ of seed, straw color, awned. Seeds large, broadly ovate, pearly lemon. Seeds high quality.
330178. Col. No. P-46. Heads broadly ovate, 15 cm. long. Glumes $\frac{1}{2}$ of seed, straw color, awned. Seeds medium, pearly yellow. Seed high quality.
330179. Col. No. P-47. Heads semi-open, 30 cm. long. Glumes over $\frac{1}{2}$ of seed, white, transversely creased, awned. Seed medium, white.
330180. Col. No. P-49. Heads ovate, semicompact, 13 cm. long. Glumes less than $\frac{1}{2}$ of seed, straw color, awned. Seeds broadly ovate, large, pearly yellow.
330181. Col. No. P-51. Five km. south of Kobbo, Wollo Province. Elevation 1,500 m. Heads semi-open, 30 cm. long. Glumes $\frac{1}{2}$ of seed, straw color, transversely creased, awned. Seeds medium, pearly white.
330182. Col. No. P-54. Market in Kobbo, Wollo Province. Seeds a mixture of white, yellow and brown.
330183. Col. No. P-55. Market in Kobbo, Wollo Province. Seeds a mixture of pearly white and pearly brown.
- Alamata, Wollo Province.
330184. Col. No. P-56. Elevation 1,500 m. Heads open, 51 cm. long. Glumes cover the seed, purplish pigment, long awned. Seeds small, brown, teardrop shape. An interesting *subglobescens* type.
330185. Col. No. P-57. Elevation 1,500 m. Heads ovate, compact, 15 cm. long. Glumes less than $\frac{1}{2}$ of seed, mahogany, awns obscure. Seeds medium small, broadly ovate, pearly yellow.
330186. Col. No. P-58. Elevation 1,500 m. Heads open, 51 cm. long. Glumes cover the seed, purplish pigment, long awned. Seeds small, brown, teardrop shape. An interesting *subglobescens* type.
330187. Col. No. P-59. Elevation 1,500 m. Heads broadly ovate, to 15 cm. long, seeds clustered. Glumes $\frac{1}{2}$ of seed, light tan, awned. Seeds pearly white. High quality seeds.

329250 to 330302—Continued

329253 to 330270—Continued

330188. Col. No. P-60. Elevation 1,500 m. Heads ovate elongate, 15 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, awns obscure. Seeds medium small, brown tan.
330189. Col. No. P-61. Elevation 2,200 m. Heads semi-open, 36 cm. long. Glumes $\frac{1}{3}$ to $\frac{1}{2}$ of seed, mahogany, awned. Seeds small, ovate, pearly dark red.
330190. Col. No. P-62. Elevation 2,700 m. Planted at this high elevation in April. Heads variable from open to semicompact, 25 cm. long. Glumes mahogany to brown. Seeds red to brown.
330191. Col. No. P-64. Ten km. north of Maichew, Tigre Province. Elevation 2,500 m. Heads variable from open to semicompact, 25 cm. long. Glumes mahogany to brown. Seeds red to brown.
330192. Col. No. P-66. Five km. east of Makale, Tigre Province. Heads open, 15 cm. long. Glumes deep mahogany, more than $\frac{1}{2}$ of seed, awned. Seeds deep red, small.

North of Sinkata, Tigre Province.

330193. Col. No. P-68. Elevation 2,600 m. Heads variable from open to semicompact, 25 cm. long. Glumes mahogany to brown. Seeds red to brown.
330194. Col. No. P-69. Elevation 2,500 m. Heads variable from open to semicompact, 25 cm. long. Glumes cover the seed, mahogany to brown. Seeds red to brown.
330195. Col. No. P-70. Heads variable from open to semicompact, 25 cm. long. Glumes mahogany to brown. Seeds red to brown.
330196. Col. No. P-71. Wokro Agula, Tigre Province. Elevation 2,200 m. Heads semi-open, 20 cm. long. Glumes cover the seed, straw color, transversely creased, awn long. Seed pearly tan.
330197. Col. No. P-72. Twenty km. north of Aguiro Aguila, Tigre Province. Elevation 2,000 m. Heads open, 25 cm. long. Glumes cover the seed, transversely creased, straw color, awns obscure. Seeds small, brown.
330198. Col. No. P-73. Twenty km. north of Aguiro Aquila, Tigre Province. Elevation 2,000 m. Heads loose, open, 30 cm. long. Glumes $\frac{1}{2}$ of seed, reddish mahogany, transversely creased. Seeds medium small, reddish brown.
330199. Col. No. P-76. Adigrat, Tigre Province. Elevation 2,500 m. Plants with 7 nodes. Heads open, 41 cm. long. Glumes cover the seed, reddish mahogany, awned with prominent staminate florets. Seeds small, deep red. *Subglobescens* type.

Decamere, Eritrea Province. Elevation 2,100 m.

330200. Col. No. P-82. Plants 1.8 m. tall. Heads semi-open, 30 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, pubescent awned. Seeds brown, medium.
330201. Col. No. P-83. Plants 1.2 m. tall. Heads open, to 30 cm. long. Glumes tan, $\frac{2}{3}$ of seed, awned. Seeds small, brown.
330202. Col. No. P-84. Plants 2.7 m. tall. Heads open, 25 cm. long. Glumes $\frac{1}{2}$ of seed, purple tan, awned. Seeds broadly ovate, pearly tan lemon.
330203. Col. No. P-85. Plants 1.2 m. tall with 11 nodes. Heads open, 23 cm. long. Glumes cover the seed, mahogany, awned. Seeds dark red.

329250 to 330302—Continued**329253 to 330270—Continued**

- 330204.** Col. No. P-86. Plants 2.4 m. tall. Heads open, 25 cm. long. Glumes cover the seed, mahogany, awned. Seeds medium small, brown red.
- 330205.** Col. No. P-87. Plants 2.4 m. tall, 11 nodes. Glumes cover the seed, black, shining, awned. Seeds brown (black amber). Introduced 5 years previously.
- 330206.** Col. No. P-88. Plants 1.8 m. tall. Heads semicompact. Glumes $\frac{1}{2}$ of seed, straw color, awned. Seeds medium small, pearly tan lemon.
- Four km. north of Decamere, Eritrea Province. Elevation 2,200 m.
- 330207.** Col. No. P-89. Plants 2.4 m. tall. Heads semi-open, 36 cm. long. Glumes $\frac{1}{2}$ of seed, tan, awned. Seeds medium, pearly tan.
- 330208.** Col. No. P-90. Heads open. Glumes $\frac{1}{2}$ of seed, mahogany, awned. Seeds brown red.
- 330209.** Col. No. P-91. Plants 2.4 m. tall. Heads semicompact, 30 cm. long. Glumes $\frac{1}{2}$ of seed, tan, awned. Seeds medium large, pearly tan.
- 330210.** Col. No. P-92. Thirty km. south of Asmara, Eritrea Province. Heads open, 20 cm. long. Glumes cover the seed, purple mahogany, awned. Seeds small, brown.
- 330211.** Col. No. P-96. Decamere, Eritrea Province. Elevation 2,100 m. Heads open, 25 cm. long. Glumes cover the seed, tan, awned. Seeds brown.
- West of Asmara, Eritrea Province.
- 330212.** Col. No. P-104. Heads cylindrical, semicompact, 15 cm. long. Glumes medium, awned. Seeds brown.
- 330213.** Col. No. P-105. Heads cylindrical, hegari type, 15 cm. long. Glumes mahogany. Seeds medium large, tan.
- 330214.** Col. No. P-106. Heads cylindrical, semicompact, 20 cm. long. Glumes medium, $\frac{1}{2}$ to $\frac{1}{3}$ of seed. Seeds medium small, orange.
- 330215.** Col. No. P-107. Heads cylindrical, semicompact, 18 cm. long. Glumes $\frac{1}{2}$ of seed, awned. Seeds chocolate brown.
- 330216.** Col. No. P-108. Heads cylindrical, strick, 20 cm. long. Glumes medium, $\frac{1}{2}$ of seed, awned, small. Seeds tan.
- 330217.** Col. No. P-109. Plants with 10 nodes. Heads cylindrical, to 20 cm. long. Glumes mahogany, $\frac{1}{2}$ of seed, awned. Seeds tan.
- 330218.** Col. No. P-110. Heads obovate, semicompact, 10 cm. long. Glumes dark mahogany, awned. Seeds light brown.
- 330219.** Col. No. P-111. Heads cylindrical, 20 cm. long. Seeds clustered. Glumes mahogany, awned. Seeds medium small, white.
- 330220.** Col. No. P-119. Heads cylindrical, tapered apex. Glumes $\frac{1}{2}$ of seed, mahogany, awns small. Seeds medium small, orange.
- 330221.** Col. No. P-120. Heads cylindrical, semicompact, 25 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, awns small. Seeds medium small, tan.
- 330222.** Col. No. P-121. Heads ovate, 10 cm. long. Glumes $\frac{1}{3}$ of seed, straw color, awned. Seeds small, white.
- 330223.** Col. No. P-122. Heads cylindrical, semicompact, 25 cm. long. Glumes $\frac{1}{2}$ of seed, awned. Seeds pinkish brown.
- 330224.** Col. No. P-123. Heads cylindrical, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seed, awns small. Seeds medium small, orange color.

329250 to 330302—Continued**329253 to 330270—Continued**

- 330225.** Col. No. P-124. Heads cylindrical, semicompact, to 20 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany, awned. Seeds medium small, light tan.
- 330226.** Col. No. P-125. Heads ovate to elongate, 13 cm. long. Glumes light mahogany, awned. Seeds light tan.
- 330227.** Col. No. P-126. Heads cylindrical, 30 cm. long. Glumes $\frac{1}{2}$ of seed, light mahogany, awned. Seeds medium small, orange.
- 330228.** Col. No. P-127. Heads cylindrical, semicompact, 10 cm. long. Glumes $\frac{1}{2}$ of seed, black. Seeds medium small, tan.
- 330229.** Col. No. P-128. Heads ovate, tapered apex, 10 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany. Seeds medium small, orange.
- 330230.** Col. No. P-129. Heads conical, compact, 13 cm. long. Glumes brown, awns small. Seeds small, white. Durra crookneck type.
- 330231.** Col. No. P-130. Heads cylindrical, 15 cm. long. Seeds clustered. Glumes tan brown, awned. Seeds medium small, tan.
- 330232.** Col. No. P-131. Heads ovate, 13 cm. long. Glumes $\frac{1}{2}$ of seed, straw color, awned. Seeds medium small, white.
- 330233.** Col. No. P-132. Heads cylindrical, compact, 30 cm. long. Glumes $\frac{1}{2}$ of seed, awns small. Seeds pearly tan.
- 330234.** Col. No. P-133. Heads ovate to cylindrical, 15 cm. long, compact, seeds clustered. Glumes brown, awned. Seeds pearly white.
- 330235.** Col. No. P-134. Heads conical, compact, 13 cm. long. Glumes brown, awned. Seeds tan to pearly white to white.
- 330236.** Col. No. P-135. Heads conical, 8 cm. long. Glumes dark purple, awned. Seeds small, pearly white.
- 330237.** Col. No. P-136. Heads ovate, compact, 15 cm. long, seeds clustered. Glumes, brown, awns small. Seeds small to medium small, orange.
- 330238.** Col. No. P-137. Heads ovate to elongate, 15 cm. long. Glumes tan, awned. Seeds small, orange color.
- 330239.** Col. No. P-139. Heads cylindrical, semicompact, seeds clustered. Glumes straw brown, awned. Seeds medium small, orange.
- 330240.** Col. No. P-140. Heads obovate, compact, 10 cm. long. Glumes straw color, awned. Seeds white tan.
- 330241.** Col. No. P-146. Heads ovate, 13 cm. long. Glumes straw color, awned. Seeds small, red.
- 330242.** Col. No. P-147. Heads cylindrical, semicompact, 24 cm. long. Glumes less than $\frac{1}{2}$ of seed, brown. Seeds medium large, white with an orange tinge.
- 330243.** Col. No. P-148. Heads cylindrical, semicompact, 25 cm. long. Glumes $\frac{1}{2}$ of seed, mahogany. Seed medium small, tan.
- 330244.** Col. No. P-149. Heads cylindrical, semicompact, 20 cm. long. Glumes $\frac{1}{2}$ of seed, brown. Seeds medium large, pearly brown.
- 330245.** Col. No. P-150. Heads ovate-lanceolate, 13 cm. long. Glumes $\frac{1}{2}$ of seed, black, awned. Seeds medium large, tan.
- 330246.** Col. No. P-151. Heads conical, 8 cm. long. Glumes of seed, brown. Seeds medium large, reddish brown.
- 330247.** Col. No. P-152. Heads conical, 8 cm. long. Glumes less than $\frac{1}{2}$ of seed, brown, awned. Seeds medium large, pearly tan.

329250 to 330302—Continued

329253 to 330270—Continued

330248. Col. No. P-155. Heads broadly ovate, 13 cm. long. Glumes $\frac{1}{2}$ of seed, straw color. Seeds medium small, pearly white.
330249. Col. No. P-157. Heads cylindrical. Glumes straw color to brown. Seeds white, hegari type.
330250. Col. No. P-158. Heads conical, 10 cm. long. Glumes $\frac{1}{3}$ of seed, straw color. Seeds small, calico.
330251. Col. No. P-159. Heads cylindrical, semiloose, 15 cm. long. Glumes $\frac{1}{2}$ of seed, tan. Seeds medium large, white.
330252. Col. No. P-160. Heads broadly ovate, 13 cm. long. Glumes $\frac{1}{2}$ of seed, reddish brown, awned. Seeds small, reddish brown.
330253. Col. No. P-163. Heads conical. Glumes $\frac{2}{3}$ of seed, brown, awned. Seeds small, pearly brown.
330254. Col. No. P-164. Heads ovate, small. Glumes $\frac{1}{2}$ of seed, straw color. Seeds small, brown.
330255. Col. No. P-165. Plants 0.9 m. tall. Heads semicompact. Glumes $\frac{2}{3}$ of seed, light straw color. Seeds reddish brown.
330256. Col. No. P-166. Heads open. Glumes long, straw color with brown apex, awned, Seeds brown.
330257. Col. No. P-167. Heads semicompact, 15 cm. long. Glumes $\frac{1}{2}$ of seed, black. Seeds small, tan.
330258. Col. No. P-168. Heads open, 15 cm. long. Glumes $\frac{2}{3}$ of seed, light brown, awned. Seeds reddish brown.
330259. Col. No. P-169. Heads ovate, 15 cm. long. Glumes $\frac{2}{3}$ of seed, dark brown, awned. Seeds pearly brown.
330260. Col. No. P-170. Heads open, 20 cm. long. Glumes $\frac{2}{3}$ of seed, black, awned. Seeds medium large, brown.
330261. Col. No. P-171. Heads broadly conical, 13 cm. long. Glumes $\frac{1}{2}$ of seed, brown. Seeds medium small, pearly white.
330262. Col. No. P-172. Heads loose, 20 cm. long. Glumes $\frac{1}{2}$ of seed, black. Seeds chalky white with brown subcoat.
330263. Col. No. P-174. Heads broadly ovate, compact, 15 cm. long. Glumes $\frac{1}{2}$ of seeds, black, awned. Seeds small, pearly orange.
330264. Col. No. P-175. Heads ovate. Glumes black, $\frac{1}{2}$ of seed, awned. Seeds small, pearly orange.
330265. Col. No. P-176. Heads conical, compact, 13 cm. long. Glumes $\frac{1}{2}$ of seed, reddish brown, awned. Seeds medium large, pearly reddish tan.
330266. Col. No. P-177. Heads ovate, small. Glumes $\frac{1}{2}$ of seed, black. Seeds medium large, pearly white.
330267. Col. No. P-178. Heads semicompact. Glumes $\frac{1}{2}$ of seed, black. Seeds chalky white with a dark subcoat.
330268. Col. No. P-179. Heads conical, 13 cm. long. Glumes less than $\frac{1}{2}$ of seed, reddish brown. Seeds medium large, pearly orange.
330269. Col. No. P-181. Heads obovate, 13 cm. long. Glumes nearly cover the seed, dark brown, awned. Seeds pearly brown.
330270. Col. No. P-183. Heads ovate. Glumes $\frac{1}{2}$ of seed reddish brown, awned. Seeds small, reddish tan.

330271 to 330274. *SORGHUM SUDANENSE* (Piper) Stapf Gramineae.
Sudangrass.

329250 to 330302—Continued

330271 to 330274—Continued

330271. Col. No. 138-B. Robi, Shoa Province. Elevation 1,500 m. Glumes sienna; awns long.

330272. Col. No. R-244. One hundred seventy five km. south of Axum, Tigre Province. Elevation 1,500 m. Head open; glumes cover seed, straw to chocolate color, awned.

One hundred sixty km. south of Bakar Dar, Gojjam Province. Elevation 2,000 m.

330273. Col. No. R-297. Head open; glumes shiny chocolate, awned; seed small.

330274. Col. No. R-298. Head open; glumes straw and sienna color.

330275. SORGHUM sp. Gramineae.

Col. No. P-78. Between Adi Caieh and Digs, Eritrea Province. Elevation 2,250 m. Head open, to 30 cm. long; glumes cover seed, mahogany tan, awned; seed variable.

330276. SORGHUM sp.

Col. No. 15-B. Awash Valley, 90 km. east of Nazareth, Shoa Province. Elevation 1,100 m. Plant purple; glumes chocolate; seeds shatter.

330277. SORGHUM sp.

Col. No. 16-B. Awash Valley, 90 km. east of Nazareth, Shoa Province. Elevation 1,100 m. Plant purple; glumes mahogany; seeds shatter.

330278. SORGHUM sp.

Col. No. 712-B. Awash Valley, 90 km. east of Nazareth, Shoa Province. Elevation 1,100 m. Along Dedessa River on road from Jimma to Bedele, Kafa Province. Elevation 1,300 m. Leaf narrow.

330279. SORGHUM sp.

Col. No. 770-B. Awash Valley, 90 km. east of Nazareth, Shoa Province. Elevation 1,100 m. Near Argo River, 37 km. west of Nekempt, Wollega Province.

330280. SORGHUM sp.

Col. No. R-101. Tessenei, Baratolo Farms, Eritrea Province. Societe Imprese Africane. Elevation 600 m. Local name Adar. Head small, light; glumes long, mahogany; awns long, prominent.

330281. SORGHUM sp.

Col. No. R-107. Tessenei, Baratolo Farms, Eritrea Province. Societe Imprese Africane. Elevation 600 m. Local name Adar. Head small, semicompact, cylindrical to lanceolate; glumes long, purple, tomentose, persistent; awns medium; seed medium, brown. Shatters.

330282. SORGHUM sp.

Col. No. R-108. Tessenei, Baratolo Farms, Eritrea Province. Societe Imprese Africane. Elevation 600 m. Local name Adar. Head medium small, semicompact, cylindrical; glumes long, purple, tomentose, persistent; awns inconspicuous; seed medium small, brown.

330283. SORGHUM sp.

Col. No. R-110. Tessenei, Baratolo Farms, Eritrea Province. Societe Imprese Africane. Elevation 600 m. Local name Adar. Head medium, open; glumes long, brown, ovate, purple, persistent; awns medium long; seed medium large, brown. Shatters.

329250 to 330302—Continued

330284. SORGHUM sp.

Col. No. R-114. Tessenei, Baratolo Farms, Eritrea Province. Societe Imprese Africane. Elevation 600 m. Local name Adar. Head small, semicompact, cylindrical to lanceolate; glumes long, mahogany, semitomentose, persistent; seed medium small. Shatters.

330285. SORGHUM sp.

Col. No. R-124. Tessenei, Baratolo Farms, Eritrea Province. Societe Imprese Africane. Elevation 600 m. Local name Adar. Head large, semicompact, ovate; glumes long, mahogany, tomentose, persistent; seed medium, brown. Shatters.

330286. SORGHUM sp.

Col. No. R-125. Tessenei, Baratolo Farms, Eritrea Province. Societe Imprese Africane. Elevation 600 m. Local name Adar. Head medium, semicompact, cylindrical to lanceolate; glumes long, mahogany and tan, persistent; seed medium.

330287. SORGHUM sp.

Col. No. R-132. Tessenei, Baratolo Farms, Eritrea Province. Societe Imprese Africane. Elevation 600 m. Local name Adar. Head medium, semi-open; glumes long, purple, tomentose, persistent. Shatters.

330288. SORGHUM sp.

Col. No. R-135. Tessenei, Baratolo Farms, Eritrea Province. Societe Imprese Africane. Elevation 600 m. Local name Adar. Head medium large, semicompact to semi-open, cylindrical to lanceolate; glumes medium large, mahogany; awns short; seed medium large, brown. Shatters.

330289. SORGHUM sp.

Col. No. R-179. Al Khadra, Homara Region. Elevation 600 to 1,000 m. Local name Adar. Glumes dark purple, tomentose.

330290. SORGHUM sp.

Col. No. R-180. Al Khadra, Homara Region. Elevation 600 to 1,000 m. Local name Adar. Glumes sienna, tomentose, feathery base.

330291. SORGHUM sp.

Col. No. R-189. Al Khadra, Homara Region. Elevation 600 to 1,000 m. Local name Adar. Head and glumes purple, tomentose.

330292. SORGHUM sp.

Col. No. R-195. Al Khadra, Homara Region. Elevation 600 to 1,000 m. Local name Adar. Glumes purple, tomentose. Shatters.

330293. SORGHUM sp.

Col. No. R-197. Al Khadra, Homara Region. Elevation 600 to 1,000 m. Local name Adar. Glumes long, purple, persistent. Shatters.

330294. SORGHUM sp.

Col. No. R-199. Al Khadra, Homara Region. Elevation 600 to 1,000 m. Local name Adar. Glumes sienna, persistent.

330295. SORGHUM sp.

Col. No. R-200. Al Khadra, Homara Region. Elevation 600 to 1,000 m. Local name Adar. Glumes chocolate, tomentose, persistent.

330296. SORGHUM sp.

Col. No. R-206. Al Khadra, Homara Region. Elevation 600 to 1,000 m. Local name Adar. Glumes sienna, awns long. Shatters.

329250 to 330302—Continued**330297. SORGHUM sp.**

Col. No. R-207. Al Khadra, Homara Region. Elevation 600 to 1,000 m.
Local name Adar. Glumes chocolate, tomentose.

330298. SORGHUM sp.

Col. No. R-208. Al Khadra, Homara Region. Elevation 600 to 1,000 m.
Local name Adar. Glumes purple, tomentose. Shatters.

330299. SORGHUM sp.

Col. No. R-209. Al Khadra, Homara Region. Elevation 600 to 1,000 m.
Local name Adar. Glumes sienna, tomentose.

330300. SORGHUM sp.

Col. No. R-210. Al Khadra, Homara Region. Elevation 600 to 1,000 m.
Local name Adar. Head semi-open to semicompact, lanceolate; glumes long, purple, tomentose; seed medium.

330301. SORGHUM sp.

Col. No. R-211. Al Khadra, Homara Region. Elevation 600 to 1,000 m.
Local name Adar. Glumes sienna, tomentose.

330302. SORGHUM sp.

Col. No. R-212. Al Khadra, Homara Region. Elevation 600 to 1,000 m.
Local name Adar. Glumes tan.

330303 to 330327. HORDEUM VULGARE L. Gramineae.

From Colombia. Seeds presented by Rockefeller Foundation, Bogota. Numbered May 13, 1968.

330303. 'Funza'. (T.67-A).	330316. II-11029-8b-2t-2b.
330304. V-808-6n-1n-1n.	330317. II-11364-3t.
330305. III-876-2b-3t-1t-1t.	330318. II-11364-1b-4t.
330306. II-11585-2b-1t-1b.	330319. II-11571-2b-3t.
330307. II-11364-1b-5t-2b.	330320. II-11585-2b-3t-2t.
330308. II-11564-4t.	330321. II-11585-2b-1t-3t.
330309. II-11585-2b-3t-3b.	330322. II-10265-3b-1t-5t.
330310. II-11018-4t-1b-2t-4b.	330323. II-11678-12t.
330311. II-11585-2b-3t-1t.	330324. II-11364-1b-3t-6b.
330312. II-11267-2b-3t-1b.	330325. II-11361-1t-2t.
330313. II-12062-1t.	330326. II-11986-2b-3t-3b.
330314. II-11585-1t-2t.	330327. III-2646-1b-1t-2t.
330315. II-11364-1b-5t-3b.	

**330328 to 330343. LYCOPERSICON ESCULENTUM Mill. Solanaceae.
Tomato.**

From the United States. Seeds presented by John W. Clark, Elkton, Md. Numbered May 14, 1968.

330328. 'Bonita Ojo'. Origin Sweden.

330329. 'Cotaxtla 1'. Origin Mexico. Fruit round, uniform, deep red. Resistant to leaf mold, sun and wind damage. Maturity 130 to 150 days.

330330. 'Culiacan 1'. Origin Mexico. Indeterminate. Resistant to fusarium, wind, excessive rain. Fruit round, flattened, smooth. Scar small.

330328 to 330343—Continued

330331. 'Dansk Export'. Origin Sweden.
 330332. 'Dwarf Gem'. Origin England.
 330333. 'Grosse Fleisch'. Origin Germany.
 330334. 'Hundredfold'. Origin England.
 330335. 'Julia HG'. Origin Sweden.
 330336. 'Kurihara'. Origin Japan.
 330337. 'Lutescent Tomato'. Origin unknown. Color changes in both fruit and leaves throughout season.
 330338. 'Melville Castle'. Origin England.
 330339. 'Pink San Marzano'. Origin unknown.
 330340. 'Potentat 11'. Origin Sweden. Greenhouse forcing.
 330341. 'Professor Rudloff'. Origin Germany.
 330342. 'Queensland 2' or 'Q 2'. Origin Australia.
 330343. 'Tatinter Dwarf'. Origin Australia.

330344 to 330353. PHASEOLUS LATHYROIDES L. Leguminosae.

From Australia. Seeds presented by Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra. Numbered May 14, 1968.

330344. CQ 520. Queensland. 310537
 330345. C.P.I. 12368. British Guiana.
 330346. C.P.I. 24263. Senegal.
 330347. C.P.I. 26309. British Guiana.
 330348. C.P.I. 26667. Mexico.
 330349. C.P.I. 27766. Brazil.
 330350. C.P.I. 29653. Philippines.
 330351. C.P.I. 30227. India.
 330352. C.P.I. 30229. India.
 330353. C.P.I. 30257. Hawaii.

330354 and 330355.

From France. Plants presented by J. Marnier Lapostolle, St. Jean Cap Ferrat. Received May 13, 1968.

330354. DELARBREA LONGICARPA R. Viguieri Araliaceae.
 Originally grown from seed collected in New Caledonia.
 330355. DIZYGOTHECA LECARDII R. Viguieri Araliaceae.
 Originally grown from seed collected in New Caledonia.

330356. PENNISETUM CLANDESTINUM Hochst. ex Chioventa Gramineae. Kikuyu grass.

From Argentina. Stolons collected by W. R. Langford, agricultural explorer, Crops Research Division, Beltsville, Md. Received May 13, 1968.

Col. No. 76. From lawn of Sr. Parodi, Instituto Nacional de Tecnologia Agropecuaria Experiment Station, Manfredi. Rhizomatous, forms dense sod suitable for lawns and playgrounds if mowed closely.

330357 and 330358.

From England. Seeds presented by The Royal Horticultural Society's Garden, Wisley, Ripley, Surrey. Numbered May 14, 1968.

330357 and 330358—Continued

330357. *KALMIA LATIFOLIA* L. Ericaceae. Mountain-laurel.

330358. *KALMIA LATIFOLIA* f. *MYRTIFOLIA* (Jager) K. Koch

330359 and 330360.

From Israel. Seeds presented by The Hebrew University of Jerusalem, The Botanical Garden, Jerusalem. Numbered May 14, 1968.

330359. *CYCLAMEN PERSICUM* Mill. Primulaceae. Persian cyclamen.

330360. *PLATANUS ORIENTALIS* L. Platanaceae. Oriental plane tree.

330361. *TRIFOLIUM UNIFLORUM* L. Leguminosae.

From Turkey. Seeds presented by J. Katznelson, Neve Ya'ar Experiment Station, The Volcani Institute of Agricultural Research, Haifa, Israel. Numbered May 14, 1968.

NYT. 1360. Collected between Cesme and Erythrija. Elevation 10 m.

330362. *SOLANUM ELAEAGNIFOLIUM* Cav. Solanaceae.

From Chile. Seeds presented by Herbert H. Appel, Universidad Tecnica Federico Santa Maria, Valparaiso. Numbered May 14, 1968.

330363 to 330370.

From Japan. Seeds collected by F. L. Doleshy, Seattle, Washington. Numbered May 14, 1968.

330363. *RHODODENDRON BRACHYCARPUM* D. Don ex G. Don Ericaceae.
Fujiyama rhododendron.

Col. No. 28. Yokodake, in Yatsugatake Range, Nagano Prefecture. Elevation 2,300 m. Dwarf, not hairy.

330364. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae.
Japanese azalea.

Col. No. 27. Slopes of Mt. Nyugasa, south of Lake Suwa, Nagano Prefecture. Elevation 1,850 m. Plants typical.

330365. *RHODODENDRON JAPONICUM* cv. *GLAUOPHYLLUM* Hara Ericaceae.

Col. No. 26. Slopes of Mt. Nyugasa, south of Lake Suwa, Nagano Prefecture. Elevation 1,850 m. Common variant with white leaf undersurface.

330366. *RHODODENDRON KIUSIANUM* Makino Ericaceae.

Col. No. 37. Mt. Tsurumi, above Beppu, Oita Prefecture. Elevation 1,360 m.

330367 and 330368. *RHODODENDRON METTERNICHII* Sieb. & Zucc. Ericaceae.
Leatherleaf rhododendron.

330367. Col. No. 35. Shakutake mountain, on boundary between Oita and Fukuoka Prefectures. Elevation 1,210 m. Stem densely hairy; leaves domed and recurved; few upper surface hairs. Flowers reported deeper color than those of other areas.

330368. Col. No. 41. Vicinity of Shiromizu-taki, Mt. Ichibusa area, Kumamoto Prefecture. Elevation 950 m. Leaves similar to P.I. 330367 but more distinctly broad toward tip, and more domed. Leaves often retained 4 years. Capsules largest seen, often in trusses of 10. Appears genetically uniform.

330369. *RHODODENDRON METTERNICHII* var. *KYOMARUENSE* Yamaz. Ericaceae.

Col. No. 22. North side of Jokoji Mountain, in Tenryu drainage, Shizuoka Prefecture. Elevation 900 m. Very erect, open in 70 percent shade, denser in sunny spots. Free flowering, often 11 to 12 flowers per truss.

330362 to 330370—Continued

330370. RHODODENDRON sp. Ericaceae.

Col. No. 32. Fukue-shima, Goto Archipelago, Nagasaki Prefecture. Elevation 140 m. Appears to tolerate heat and lacks hardiness.

330371 to 330382.

From Australia. Seeds presented by Robert Boden, Parks and Gardens Section, Canberra, A.C.T., through A. A. Brown, Alexandria, Va. Numbered May 14, 1968.

330371. ACACIA BUXIFOLIA A. Cun. Leguminosae.

330372. ACACIA DAWSONI R. T. Baker

330373. ACACIA DECORA Reichenb.

330374. ACACIA DIFFUSA Lindl.

330375. CALLISTEMON CITRINUS (Custis) Skeels Mystaceae.

Lemon bottlebrush.

330376. CALLISTEMON PALLIDUS (Bonpl.) D.C.

Bottlebrush.

330377. CALLISTEMON SIEBERI SC.

330378. DIANELLA TASMANICA Hook. f. Liliaceae.

330379. LEPTOSPERUM LAEVIGATUM F. Muell. Myrtaceae.

330380. LEPTOSPERUM SCOPARIUM Forst.

Nanuka.

330381. MELALEUCA ERICIFOLIA J. E. Smith

Heath Melalesca.

330382. MELALEUCA INCANA R. Br.

330383 to 330385. PISUM SATIVUM L. Leguminosae.

Pea.

From the Netherlands. Seeds presented by B. Kies, Institute for Horticultural Plant Breeding, Wageningen. Numbered May 15, 1968.

330383. 'Flavanda'. Seed yellow.

330384. 'Porta'. Seed yellow.

330385. 'Reuzen Mei'. Seed yellow.

330386. GOSSYPIUM sp. Malvaceae.

From Senegal. Seeds collected by J. R. Harlan, University of Illinois, Urbana, Illinois. Numbered May 15, 1968.

Weedy plant used as ornamental near waterfront in Dakar. Possibly diploid.

330387 to 330396. BRASSICA OLERACEA var. CAPITATA L. Cruciferae.

Cabbage.

From Norway. Seeds presented by Gunnar Weisaeth, Department of Vegetable Crops, Agricultural College of Norway, Vollebekk. Numbered May 15, 1968.

Resistant to clubroot disease.

330387. K 499 - 2001. Winter cabbage.

330392. K 716 - 2026.

330388. K 504 - 1691.

330393. K 732 - 2014.

330389. K 512 - 1876 (=1618).

330394. K 737 - 1841.

330390. K 512 - 2004 'Resista'.

330395. K 873 - 2018.

330391. K 707 - 1631.

330396. 'Jotunka'-

04618.

330397 to 330406.

From Czechoslovakia. Seeds presented by Pavel Amler, Plant Breeding Station, Uhretice, okres Chrudim. Numbered May 14, 1968.

330397 to 330401. HORDEUM DISTICHON L. Gramineae. Two-rowed barley.

Spring type.

330397. 'Diamant'. × radiation from Valticky.

330398. 'Dvoran'. Hodoninsky Kvas × Slovensky Jenny.

330399. 'Jantar'. Valticky × Haisa II.

330400. 'Merkur'. Weiheostephaner Mr. II × Kenia.

330401. 'Valticky'. Valticky B × Starnovsky Kneifl.

330402. HORDEUM VULGARE L. Gramineae.

Winter type.

'Stupicky Sestirady'.

330403 to 330406. TRITICUM AESTIVUM L. Gramineae. Common wheat.

Spring type.

330403. 'Zlatka'. (Janetzki × Marquis) × Heines Koga.

Winter type.

330404. 'Diana'. /Carsten V × Hodoninska osinatka / Heines Koga.

330405. 'Kasticka osinatka'. Griewener 192 / Hodoninska universalni × Vankuti / × Hodoninska holice × Manitoba/Kubanka × Bucharska.

330406. 'Lada'. Hodoninska holice × Griewener 192.

330407 to 330446. SECALE CEREALE L. Gramineae. **Rye.**

From the Republic of South Africa. Seeds presented by Plant Introduction Officer, Department of Agricultural Technical Services, Pretoria. Numbered May 15, 1968.

330407. DL 67/169.

330408. DL 67/170.

330409. DL 67/172.

330410. DL 67/175.

330411. DL 67/176.

330412. DL 67/183.

330413. DL 67/184.

330414. DL 67/185.

330415. DL 67/187.

330416. DL 67/188.

330417. DL 67/190.

330418. DL 67/194.

330419. M/66/364. Tetraploid spring rye.

330420. M/66/367. 'Maroc 54'.

330421. M/66/572. 'R 500'.

330422. M/67/4. 'Tetra'.

330423. M/67/100. 'Carstens Roggen'.

330424. M/67/116. 'Karlshulder Sommerroggen'.

330425. M/67/117. 'Karlshulder Winterroggen'.

330407 to 330446—Continued

330426. M/67/122. 'Heertvelder'.
 330427. M/67/133. 'Petkuser Tetraroggen'.
 330428. M/67/134. 'Petkuser Winterroggen'.
 330429. M/67/135. 'Petkuser Somerroggen'.
 330430. M/67/157. 'Carstens Kortstra'.
 330431. M/67/158. 'Ludowe'.
 330432. M/67/160. 'Petka'.
 330433. M/67/163. 'Estxo'.
 330434. M/67/165. 'Burnburger Futterroggen'.
 330435. M/67/167. 'Danae'.
 330436. M/67/169. 'D. Troubsko'.
 330437. M/67/170. 'Ratborske'.
 330438. M/67/171. 'Kribice Krajove'.
 330439. M/67/172. 'Kungsrag II'.
 330440. M/67/173. 'Pulawskie Wczesne'.
 330441. M/67/174. 'Varnerag'.
 330442. M/67/175. 'Tacinskaja Golubaja'.
 330443. M/67/177. 'Mikulickie Wczesne'.
 330444. M/67/178. 'Ceske'.
 330445. M/67/179. 'Dominant'.
 330446. M/67/304. 'Kecslemetl.h. roz'.

330447 to 330461. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From Rhodesia. Seeds presented by I. B. Edwards, Salisbury Research Station, Causeway, Salisbury. Numbered May 15, 1968.

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| 330447. S 812 A1 A3. | 330455. 'Mtilikwe'. |
| 330448. S 878 A4 A2. | 330456. 'Odzi'. |
| 330449. S 891 A5. | 330457. 'Tokwe'. |
| 330450. 'Bembezaan'. | 330458. 'Umnati'. |
| 330451. 'Gwelo'. | 330459. 'Umsweswe'. |
| 330452. 'Karo'. | 330460. 'Umtali'. |
| 330453. 'Madziwe'. | 330461. 'Zambesi'. |
| 330454. 'Mkwesine'. | |

330462 to 330468. ORYZA SATIVA L. Gramineae.**Rice.**

From Japan. Seeds presented by the Faculty of Agriculture, University of Tokyo, Bunkyo, Tokyo. Received May 15, 1968.

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| 330462. 'Fujimineri'. Japan. | 330466. 'Manryo'. Japan. |
| 330463. 'Honenwase'. Japan. | 330467. 'Sasanishiki'. |
| 330464. 'Koshihikari'. Japan. | 330468. 'Yamabiko'. |
| 330465. 'Hoyoku'. Japan. | |

330469 to 330471. ORYZA SATIVA L. Gramineae.**Rice.**

From Italy. Seeds presented by Institute di All Allevamento Vegetale, Bologna. Received May 15, 1968.

330469. 'Raffaello'.

330469 to 330471—Continued

330470. 'Romeo'.

330471. 'Vialone nano'.

330472 and 330473. ORYZA SATIVA L. Gramineae. Rice.

From Japan. Seeds presented by Faculty of Agriculture, University of Tokyo, Bunkyo-ku, Tokyo. Received May 15, 1968.

330472. 'Sabienu U A R'.

330473. 'Hybrid 170/15 U A R'.

330474 to 330479. ORYZA SATIVA L. Gramineae. Rice.

From Korea. Seeds presented by the Director, Crop Experiment Station, Suwon. Received May 15, 1968.

330474. 'Jaekun'.

330477. 'Palkweng'.

330475. 'Jinheung'.

330478. 'Paltal'.

330476. 'Nongkwang'.

330479. 'Suwon 82'.

330480. LEUCAENA LEUCOCEPHALA (Lam.) de Wit Leguminosae. Leadtree.

From Ivory Coast. Seeds collected by R. M. Warner, College of Tropical Agriculture, University of Hawaii, Honolulu, Hawaii. Received May 16, 1968.

'Haole Koa'. On road between Divo and Tiassali.

330481. LEUCAENA LEUCOCEPHALA (Lam.) de Wit Leguminosae. Leadtree.

From Dahomey. Seeds collected by R. M. Warner, College of Tropical Agriculture, University of Hawaii, Honolulu, Hawaii. Received May 16, 1968.

'Koa Haole'. Porto Novo.

330482 to 330562.

From England. Seeds presented by University of Reading, Reading, Berkshire. Listed in 1967 Seed Exchange List. Received May 16, 1968.

330482. AEGILOPS COMOSA Sibth. & Sm. Gramineae.

330483. AEGILOPS CRASSA Boiss.

330484. AEGILOPS CYLINDRICA Host

Jointed goatgrass.

330485. AEGILOPS JUVENALIS (Thell.) Eig

330486. AEGILOPS LONGISSIMA Schweinf. & Muschl.

330487. AEGILOPS OVATA L.

330488. AEGILOPS SPELTOIDES Tausch

330489. AEGILOPS SQUARROSA L.

330490. AEGILOPS TRIARISTATA Willd.

330491. AEGILOPS TRIUNCIALIS L.

Barb goatgrass.

330492. AEGILOPS VARIABILIS Eig.

330493. AEGILOPS VENTR-COSA Tausch

330494. AVENA ABYSSINICA Hochst. ex Rich. Gramineae.

330495. AVENA BARBATA Pott ex Link

330496. AVENA BREVIS Roth

330497. AVENA BYZANTINA K. Koch

Red oats.

330482 to 330562—Continued

330498. AVENA FATUA L. Wild oats.
 330499. AVENA NUDA L. Naked oats.
 330500. AVENA STERILIS L. Animated oats.
 330501. AVENA STERILIS subsp. LUDOVICIANA (Dur.) Gillet & Magne
 330502. AVENA STRIGOSA Schreb.
 330503. HORDEUM AGRIOCRITHON Aberg. Gramineae.
 330504 to 330507. HORDEUM DISTICHON L. Two-rowed barley.
 330504. No. 120. 330506. No. 122.
 330505. No. 121. 330507. No. 123.
 330508. HORDEUM IRREGULARE Aberg & Wiebe
 330509. HORDEUM JUBATUM L. Foxtail barley.
 330510. HORDEUM MARINUM Huds.
 330511 to 330524. HORDEUM VULGARE L.
 330511. No. 129. 330518. No. 136.
 330512. No. 130. 330519. No. 137.
 330513. No. 131. 330520. No. 138.
 330514. No. 132. 330521. No. 139.
 330515. No. 133. 330522. No. 140.
 330516. No. 134. 330523. No. 141.
 330517. No. 135. 330524. No. 142.
 330525 and 330526. SECALE CEREALE L. Gramineae. Rye.
 330525. 'King II, 4x'.
 330526. 'King II, 2x'.
 330527 and 330528. TRITICUM AEGILOPOIDES Forsk. Gramineae.
 330527. No. 163.
 330528. No. 164.
 330529. TRITICUM ABYSSINICUM Steud.
 330530 to 330538. TRITICUM AESTIVUM L. Common wheat.
 330530. No. 166. 330535. No. 171.
 330531. No. 167. 330536. No. 172.
 330532. No. 168. 330537. No. 173.
 330533. No. 169. 330538. No. 174.
 330534. No. 170.
 330539. TRITICUM PERSICUM (Boiss.) Aitch. & Hemsl.
 330540 and 330541. TRITICUM COMPACTUM Host Club wheat.
 330540. No. 176.
 330541. No. 177.
 330542 and 330543. TRITICUM DICOCCOIDES Koern.
 330542. No. 178.
 330543. No. 179.
 330544 and 330545. TRITICUM DICOCCUM Schubl.
 330544. No. 180.

330482 to 330562—Continued

330544 and 330545—Continued

330545. No. 181.

330546 and 330547. *TRITICUM DURUM* Desf.

Durum wheat.

330546. No. 182.

330547. No. 183.

330548. *TRITICUM ISPAHANICUM* Heslot.330549. *TRITICUM MACHA* Dekapr. & Men.330550 and 330551. *TRITICUM MONOCOCCUM* L.

330550. No. 186.

330551. No. 187.

330552. *TRITICUM ORIENTALE* Perc.330553. *TRITICUM PALAEOCOLCHICUM* Men.330554 and 330555. *TRITICUM POLONICUM* L.

Polish wheat.

330554. No. 190.

330555. No. 191.

330556 and 330557. *TRITICUM SPHAEROCOCCUM* Percival

330556. No. 192.

330557. No. 193.

330558 and 330559. *TRITICUM SPELTA* L.

Spelt.

330558. No. 194.

330559. No. 195.

330560 and 330561. *TRITICUM TURGIDUM* L.

Poulard wheat.

330560. No. 196.

330561. No. 197.

330562. *TRITICUM TIMOPHEEVII* (Zhukov.) Zhukovsky**330563 to 330623.**

From Belgium. Seeds presented by Chaire de Phytotechnie, Ecologie et Genetique des Plants Tropicales, Faculte des Sciences Agronomiques, Gembloux. Received May 17, 1968.

330563. *ADENODOLICHOS PUNCTATUS* Harms Leguminosae.

N.I. 167.

330564. *CAJANUS CAJAN* (L.) Millsp. Leguminosae.

Pigeon-pea.

N.I. 223.

330565. *CANAVALIA ENSIFORMIS* (L.) DC. Leguminosae.

Jack-bean.

N.I. 44.

330566. *CANAVALIA MARTIMA* (Aubl.) Thouars

N.I. 250.

330567 and 330568. *CENTROSEMA PLUMIERI* (Turp.) Benth. Leguminosae.

330567. N.I. 210.

330568. N.I. 237.

330569 and 330570. *CENTROSEMA PUBESCENS* Benth.

330569. N.I. 194.

330563 to 330623—Continued

330569 and 330570—Continued

330570. N.I. 235.

330571. *DESMODIUM CANADENSE* (L.) DC. Leguminosae.

N.I. 62.

330572. *DESMODIUM OVALIFOLIUM* Guill. & Perr.

N.I. 71.

330573. *DESMODIUM SALICIFOLIUM* (Poir. ex Lam.) DC.

N.I. 96.

330574. *DOLICHOS AFRICANUS* Brenan ex R. Wilczek Leguminosae.

N.I. 97.

330575. ~~*DOLICHOS ARGENTUS* Willd.~~ *Pseudovina argentea* (Burm. f.) (44)

N.I. 179.

330576. *DOLICHOS AXILLARIS* E. Mey.

N.I. 216.

330577 to 330579. *DOLICHOS BIFLORUS* L.

Twinflower dolichos.

330577. N.I. 43.

330578. N.I. 52.

330579. N.I. 256.

330580. *DOLICHOS FALCATUS* Klein ex Willd.

N.I. 258.

330581. *DOLICHOS GLABRESCENS* R. Wilczek

N.I. 168.

330582. *DOLICHOS GULULU* Wildem.

N.I. 169.

330583. *DOLICHOS* sp.

N.I. 240.

330584 to 330586. *PHASEOLUS ACONITIFOLIUS* Jacq. Leguminosae.

Mothbean.

330584. N.I. 41.

330585. N.I. 51.

330586. N.I. 105.

330587 and 330588. *PHASEOLUS ANGULARIS* (Willd.) W. F. Wight

Adsuki bean.

330587. N.I. 140.

330588. N.I. 189.

330589. *PHASEOLUS CARACALLA* L.

Bertoni bean.

N.I. 254.

330590 to 330592. *PHASEOLUS LATHYROIDES* L.

330590. N.I. 128.

330591. N.I. 136.

330592. N.I. 181.

330593. *PHYSOSTIGMA MESOPONTICUM* Taub. Leguminosae.

N.I. 170.

330563 to 330623—Continued

330594. *PSOPHOCARPUS PALUSTRIS* Desv. Leguminosae.
N.I. 171.
330595. *PSOPHOCARPUS TETRAGONOLOBUS* (L.) DC. Goabean.
N.I. 183.
330596. *PSOPHOCARPUS* sp.
N.I. 221.
330597. *RHYNCHOSIA PHASEOLOIDES* (Sw.) DC. Leguminosae.
Crabseye rhynchosia.
N.I. 63.
330598. *RHYNCHOSIA PYRAMIDALIS* (Lam.) Urb.
N.I. 81.
330599. *SPHENOSTYLIS ERECTA* (Bak. f.) Hutch. ex E. G. Baker Leguminosae.
N.I. 172.
330600. *TERAMNUS MICANS* (Welw.) Bak. f. Leguminosae.
N.I. 276.
- 330601 and 330602. *VERDCOURTIA LIGNOSA* (L.) Wilczek Leguminosae.
330601. N.I. 92.
330602. N.I. 145.
- 330603 and 330604. *VIGNA AMBACENSIS* Welw. ex Baker Leguminosae.
330603. N.I. 192.
330604. N.I. 236.
330605. *VIGNA GRACILIS* (Guill. & Per.) Hook. f.
N.I. 177.
330606. *VIGNA HETEROPHYLLA* A. Rich.
N.I. 122.
- 330607 and 330608. *VIGNA LUTEOLA* (Jacq.) Benth.
330607. N.I. 112.
330608. N.I. 200.
330609. *VIGNA MARANGUENSIS* (Taub.) Harms.
N.I. 121.
- 330610 and 330611. *VIGNA OBLONGIFOLIA* A. Rich.
330610. N.I. 123.
330611. N.I. 124.
330612. *VIGNA PARVIFLORA* Welw. ex. Baker
N.I. 282.
330613. *VIGNA RACEMOSA* Hutch. & Dalz. ex E. G. Baker
N.I. 239.
330614. *VIGNA RETICULATA* Hook f.
N.I. 278.
- 330615 to 330619. *VIGNA VEXILLATA* (L.) A. Rich.
330615. N.I. 180. 330617. N.I. 244.
330616. N.I. 224. 330618. N.I. 245.

330563 to 330623—Continued**330615 to 330619—Continued****330619.** N.I. 246.**330620 and 330621.** VIGNA WITTEI Bak. f.**330620.** N.I. 193.**330621.** N.I. 238.**330622.** VIGNA sp.

N.I. 260.

330623. VOANDZEIA SUBTERRANEA (L.) Thouars Leguminosae.

N.I. 201.

330624 and 330625. ORYZA SATIVA L. Gramineae. **Rice.**

From Morocco. Seeds presented by the Agricultural Attache, Rabat. Received May 20, 1968.

330624. 'Stirpe No. 1'.**330625.** 'Triomphe du Maroc'.**330626.** ORYZA SATIVA L. Gramineae. **Rice.**

From Pakistan. Seeds presented by the Economic Botanist, Dacca. Received May 20, 1968.

'Panbira'.

330627. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

From Ghana. Seeds presented by Crops Research Institute, Ghana Academy of Science, Bunso, Bosuso. Received May 20, 1968.

'Molokai'.

330628. CUCUMIS SATIVUS L. Cucurbitaceae. **Cucumber.**

From Pakistan. Seeds presented by W. Allan Goodbary, United States Agency for International Development, Mission to Pakistan, Dacca. Received May 20, 1968.

'Kshira'.

330629 to 330631.

From the United States. Seeds collected by Arthur S. Barclay, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 22, 1968.

330629 and 330630. LESQUERELLA GORDONII (A. Gray) Wats. Cruciferae.**330629.** Col. No. 2058. Upper flood plain of Santa Cruz River near intersection of Silverbell and Sunset Roads, Tucson, Ariz. Annual, ascending to erect, forming solid stands. Seeds from most vigorous, erect and productive plants in population.**330630.** Col. No. 2061. Along Sandario Road, six miles north of junction with State Highway 86, 12 miles west of Tucson, Ariz. Extensive population on mesquite flat.**330631.** LESQUERELLA PALMERI S. Wats.

Col. No. 2053. Along State Highway 85, 24 miles south of Gila Bend, Maricopa County, Ariz. Seeds from most vigorous and productive plants in population.

330632. POA PRATENSIS L. Gramineae. **Kentucky bluegrass.**

From Poland. Seed presented by Instytut Hodowlii Akumatyzagji Roslin, Zaklad Roslin Pastewnych, Krakow. Received May 22, 1968.

330633 to 330635. GLYCINE MAX (L.) Merr. Leguminosae. Soybean.

From the Republic of South Africa. Seed presented by Plant Introduction Officer, Department of Agricultural Technical Services, Pretoria. Received May 22, 1968.

330633. 36 S 58. P 449 × Dixie. Plants 28 to 30 inches high; flowers white. Medium-late maturity; susceptible to leaf spot. (P 449 imported from China 1965).

330634. 50 S 81. Seminole × 42 S 410. Plants 32 to 36 inches high; leaves large, dark green; flowers purple. Medium maturity; susceptible to leaf spot. (42 S 410 from 37 S 14 × Mandarin).

330635. 59 S 136. Parentage unknown. Plants to 30 inches high; flowers purple. Medium maturity; susceptible to leaf spot.

330636 to 330638.

From Australia. Seeds presented by A. A. Brown, Alexandria, Virginia. Received May 24, 1968.

330636. ACACIA sp. Leguminosae.

330637. BRACHYCHITON ACERIFOLIUM F. Muell. Sterculiaceae.

Garrajong.

330638. CASUARINA sp. Casuarinaceae.

330639 to 330641. ORYZA SATIVA L. Gramineae. Rice.

From France. Seed presented by the Ecole Nationale Supérieure Agronomique de Montpellier, Montpellier. Received May 24, 1968.

330639. 'Cigalon'.

330640. 68-1.

330641. 68-2.

330642. ORYZA SATIVA L. Gramineae. Rice.

From Ceylon. Seed presented by the Botanist, Central Agricultural Rice Institute, Gannoruwa, Peradeniya. Received May 24, 1968.

'H-7'.

330643 to 330653.

From Uruguay. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Georgia. Numbered May 27, 1968.

330643 to 330649. ARACHIS HYPOGAEA L. Leguminosae.

330643. Col. No. 18. Oil peanut. Pods from varietal mixture from F. P. Chiesa, Tres Cruces, Tacuarembó. Mixed Spanish or Spanish-Valencia types; pods mostly 2 segmented; testa flesh. Cultivated.

330644. Col. No. 18A. Same as P.I. 330643 except testa purple. Casa Garcia Pallares, general retailer and wholesale of farm supplies, Tacuarembó.

330645. Col. No. 19. Valencia type; pods 2 to 3 segmented; testa red, some purple. Cultivated.

330646. Col. No. 20. Valencia type; pods 2 to 3 segmented; testa red, some purple. Cultivated.

From the warehouse of Chagas and Quay, in the commercial production center at Tacuarembó.

330647. Col. No. 21. Random sample of bulked harvest. Mixed Spanish and Valencia types; pods 2 segmented; testa flesh. Cultivated.

330643 to 330653—Continued

330643 to 330649—Continued

330648. Col. No. 22. Random sample. Mixed Spanish and Valencia types; pods 3 segmented; testa red. Cultivated.

330649. Col. No. 25. Farm of Sr. Sebastian Numoz, 30 km. south of Rivera, Km. 475.5. Spanish type, mixed varieties; testa flesh and purple. (*Arachis burkartii* indigenous between road and field of *A. hypogaea*.)

330650 to 330653. ARACHIS VILLOSA Benth.

330650. Col. No. 9. Eight km. northwest of Colonia, 67 m. from Rio de La Plata and 90 m. north of road at Playa Arenisca. Seed of P.I.

338321. Branches few, prostrate; leaves small, margins ciliate; taproot 1 cm. or more in diameter; 30 to 60 cm. long. Well nodulated; no rhizomes; pegs vertical, 15 to 20 cm. with isthmus 5 to 7 cm. between the two locules. Wild.

330651. Col. No. 11. Seven km. northwest of Colonia, 200 m. from Rio de La Plata, on sand dunes. Seed of P.I. 338322. Plants cover an area 40 m. in diameter. Perennial. Foliage sparse, prostrate; leaves small; petioles long; pegs horizontal, 20 cm. long, peripheral. Tap rooted. No rhizomes. Wild.

330652. Col. No. 13. Fourteen km. east of Colonia, 125 m. from Rio de La Plata. Area covered 3 m. in diameter. Seed of P.I. 338323. Perennial, prostrate, seeds few; leaves pubescent, ciliate. Wild.

330353. Col. No. 15. Twelve km. east of Colonia, 40 m. from Rio de La Plata, in sand dunes, covering several acres. Seed of P.I. 338324. Perennial, prostrate; seeds few; leaves pubescent, ciliate. No rhizomes. Wild.

330654 to 330684.

From Israel. Seed presented by Meir Forti, the Negev Institute for Arid Zone Research, Beersheva. Received May 27, 1968.

330654. ACACIA CYCLOPS A. Cunn. ex Don Leguminosae.

Cyclops acacia.

No. 4209. Beersheva. Originally from Australia.

330655. ATRIPLEX ATACAMENSIS Phil. Chenopodiaceae.

No. 4585. Beersheva. Originally from Chile.

330656. ATRIPLEX BREWERI S. Wats.

No. 4713. Omer. Omer trial plot 7 km. northeast of Beersheva. Originally from the United States.

330657. ATRIPLEX CANESCENS (Pursh) Nutt.

No. 4714. Omer. Originally from the United States.

330658. ATRIPLEX CANESCENS var. LINEARIS (S. Wats.) Munz

No. 4721. Omer. Originally from the United States.

330659. ATRIPLEX HALIMUS L.

Mediterranean saltbush.

No. 4616. Omer. Originally from Israel.

330660. ATRIPLEX INFLATA F. Muell.

No. 4774. Beersheva. Annual or short lived. Volunteering. Originally from Australia.

330661. ATRIPLEX LENTIFORMIS S. Wats.

No. 4722. Beersheva. Originally from the United States.

330654 to 330684—Continued

330662. *ATRIPLEX LEUCOCLADA* Boiss.

No. 4718. Omer. Winter dormant. Originally from Israel.

330663. *ATRIPLEX MULLERI* Benth.

Queensland saltbush.

No. 4323A. Beersheva. Perennial, small. Volunteering. Originally from Australia.

330664. *ATRIPLEX NUMMULARIA* Lindl.

No. 3648A. Beersheva. Originally from Australia.

330665. *ATRIPLEX POLYCARPA* S. Wats.

No. 4633. Beersheva. Originally from the United States.

330666. *ATRIPLEX PSEUDOCAMPANULATA* Aellen ex Blom

No. 4302. Beersheva. Short lived. Heavily volunteering. Originally from Australia.

330667. *ATRIPLEX ROSEA* L.

Tumbling orach.

No. 4413. Beersheva. Annual. Originally from Denmark.

330668. *ATRIPLEX SPONGIOSA* F. Muell.

No. 4747. Beersheva. Annual. Originally from Australia.

330669. *ATRIPLEX VESICARIA* Heward

No. 4042. Beersheva. Originally from Australia.

330670. *ATRIPLEX* sp.

No. 4760. Beersheva. Originally from Rioja Province, Argentina.

330671. *ATRIPLEX* sp.

No. 4375. Beersheva. Short lived. Reported to grow in vicinity of seashore. Originally from Venezuela.

330672. *KOCHIA BREVIFOLIA* R. Br. Chenopodiaceae.

No. 4850. Beersheva. Strongly volunteering. Originally from western Australia.

330673. *KOCHIA GEORGEI* Diels

No. 4213. Beersheva. Moderately volunteering. Originally from Australia.

330674. *KOCHIA INDICA* Wight

No. 4855. Beersheva. Casual in Israel. Annual. Selfpropagating. Originally from Negev.

330675. *KOCHIA PROSTRATA* (L.) Schrad

No. 4869. Beersheva. Originally from Uzbekistan, Soviet Union.

330676. *LOTUS* ^{*collinus* (Sum 37)} ~~*CRETICUS*~~ L. Leguminosae.

No. 4767. Beersheva. Originally from Tunisia.

330677. *MEDICAGO ARBOREA* L. Leguminosae.

Tree alfalfa.

No. 4535. Beersheva. Summer dormant. Originally from the Mediterranean.

330678. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. ex Aschers & Schweinf. Gramineae. Smilgrass.

No. 4644. Beersheva.

330679. *PENNISETUM* ^{*setaceum* (Sum 42)} ~~*ASPERIFOLIUM*~~ (Desf.) Kunth Gramineae.

No. 4790. Beersheva. Originally from Israel.

330654 to 330684—Continued

330680. SCORPIURUS MURICATA L. Leguminosae. Scorpiontail.
No. 4548. Beersheva. Annual. Spontaneous. Originally from Beersheva.
330681. SPOROBULUS AIROIDES (Torr.) Torr. Gramineae. Alkali sacaton.
No. 4112. Beersheva. Originally from the United States.
330682. STIPA TORTILIS Desf. Gramineae.
No. 4752. Beersheva. Originally from Beersheva.
330683. TETRACHNE DREGEI Nees Gramineae.
No. 4848. Omer. Originally from South Africa.
330684. TRIGONELLA ARABICA Delile Leguminosae.
No. 4364. Beersheva. Annual. Spontaneous. Originally from Beersheva.

330685 to 330723.

From Iran. Seed presented by M. D. Kernick, Food and Agriculture Organization of the United Nations, Tehran. Received May 28, 1968.

- 330685 and 330686. AGROPYRON CRISTATUM (L.) Gaertn. Gramineae.
Crested wheatgrass.
330685. No. 334. Northern Flour.
330686. No. 1020.
- 330687 to 330690. AGROPYRON ~~TAURI~~ Boiss. & Bal. *Agropyron tauri Boiss. & Bal. (58)*
330687. No. 160. Kandavan Pass. 330689. No. 268. Sirak-Sar.
330688. No. 267. Sirak-Sar. 330690. No. 269. Sirak-Sar.
330691. ARTEMISIA AUCHERI Boiss. Compositae.
No. 313. Homand.
330692. ARTEMISIA HERBA-ALBA Asso
No. 312. Rudshur.
- 330693 and 330694. ASTRAGALUS CHABORASICUS Boiss. & Haussk. ex. Boiss. Leguminosae.
330693. No. 052. Southwestern Kermanshah.
330694. No. 281. Tchar Dangeh.
330695. ASTRAGALUS KOTSCHYANUS Boiss.
No. 105. Northeastern Mianeh.
330696. ASTRAGALUS SILIQUOSUS Boiss.
No. 050. Eastern Malayer.
330697. ATRIPLEX VERRUCIFERA Bieb. Chenopodiaceae.
No. 359. Valladabad.
- 330698 and 330699. BOTHRIOCHLOA ISCHAEMUM (L.) Keng Gramineae.
King's Ranch bluestem.
330698. No. 024. Dorud.
330699. No. 242. Northern Khoy.
330700. BROMUS CAPPADOCICUS Boiss. & Bal. Gramineae.
No. 112. Northeastern Mianeh.
- 330701 and 330702. BROMUS TOMENTOSUS Trin. ex. Ledeb.
330701. No. 159. Kandavan Pass.

330685 to 330723—Continued

330701 and 330702—Continued

330702. No. 839. Flour.

330703 to 330705. BROMUS TOMENTELLUS Boiss.

330703. No. 110. Southwestern Firuzkuh.

330704. No. 290. Borudjan.

330705. No. 296. Northern Khorassan.

330706. FESTUCA OVINA L. Gramineae.

Sheep fescue.

No. 1074.

330707. FESTUCA SCLEROPHYLLA Boiss.

No. 261. Sirak-Sar.

330708. KOCHIA PROSTRATA (L.) Schrad. Chenopodiaceae.

No. 362. Rasht.

330709. LASIAGROSTIS CARAGANA Trin. & Rupr. Gramineae.

No. 128. Southwestern Firuzkuh.

330710 and 330711. MELICA CUPANII Guss. Gramineae.

330710. No. 198. Karadj.

330711. No. 295. Northern Khorassan.

330712. ONOBRYCHIS GAUBAE Bornm. Leguminosae.

No. 099. Homand.

330713. ONOBRYCHIS MELANOTRICHA Boiss.

No. 068. Western Arak.

330714. ONOBRYCHIS PERSICA Sirjaev & K. H. Rechinger

No. 077. Western Shahr-Kord.

330715. ONOBRYCHIS sp. *subcaulis* (num 27)

No. 270. 'Jajerudi'. Eastern Tehran Hills.

330716. ORYZOPSIS HOLCIFORMIS (Bieb.) Hack. Gramineae. Ricegrass.

No. 080. Northwestern Ardekan.

330717. PENNISETUM ORIENTALE L. C. Rich. Gramineae.

No. 015. Southern Esfahan.

330718. POA sp. Gramineae. *sterilis* (num 34)

No. 888. Northern Plour.

330719. SALSOLA RIGIDA Pall. Chenopodiaceae.

No. 247. Rudshur.

330720. SANGUISORBA LASIOCARPA Hand.-Mazz. Rosaceae.

No. 046. Gach-Saran.

330721. SECALE MONTANUM Guss. Gramineae.

Mountain rye.

No. 178. Karadj.

330722. STIPA BARBATA Desf. Gramineae.

No. 136. Homand.

330723. STIPA LAGASCAE Roem. & Schult.

No. 185. Homand.

330724. SOLANUM COMMERSONII Dunal ex Poir. Solanaceae.

From Uruguay. Tubers collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Georgia. Received May 31, 1968.

Col. No. 26. Between Manual Diaz and Tranqueras on Route 5. Plants 20 to 30 cm. high, flowering; flowers white, some bluish purple. Wild, tuber bearing.

330725 to 330727. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From the United States. Seeds increased at Regional Plant Introduction Station, Ames, Iowa. Numbered May 31, 1968.

330725. A-633. 'Curl Tomato'. From P. A. Young, Jacksonville, Texas. Plant habit variable. Fruit 5.0 to 7.5 cm., globose, red with yellow skin, smooth, medium concentric and radial cracking, locules 4 or more. Medium set and maturity.

From D. L. Strider, Department of Plant Pathology, North Carolina State University, Fletcher, N. C. Plants medium size, variable habit. Fruit 2.5 to 3.0 cm., globose, red with yellow skin, no fasciation, slight concentric cracking, locules 2.

330726. A-1109. 'Bulgaria No. 3'.

330727. A-1110. 'Bulgaria No. 12'.

330728 to 330731. ORYZA SATIVA L. Gramineae. Rice.

From Liberia. Seeds presented by M. L. Pillai, Central Agricultural Experiment Station, Suakoko. Received May 31, 1968.

330728. No. 25. 'Gissa'. **330730.** No. 55. 'Sokotera'.

330729. No. 42. 'Sokotera'. **330731.** No. 107. 'Sokotera'.

330732 to 330921. SORGHUM BICOLOR (L.) Moench Gramineae.

From Ethiopia. Seed collected in March and April 1968, by L. V. Peters, Crops Research Division, United States Department of Agriculture, Serere Experiment Station, Soroti, Uganda. Numbered June 3, 1968.

Local name "Mashila" applies to all collections except where otherwise indicated.

Addis Ababa market.

330732. Col. No. P-401. Reported to be from the Ambo area. Seed pearly white.

330733. Col. No. P-402. Reported to be from the Ambo area. Seed pearly white and light red mixed.

330734. Col. No. P-403. Seed pearly red.

330735. Col. No. P-404. Seed white and yellow mixed.

330736. Col. No. P-405. Reported to be from the Awash area. Seed reddish brown; glumes black.

330737. Col. No. P-406. Seed pearly white and red mixed.

330738. Col. No. P-407. Seed pearly white and glumes straw color.

330739. Col. No. P-408. Seed pearly white; glumes straw color.

330740. Col. No. P-409. Seed brown.

330741. Col. No. PX410. Seed pearly white and red mixed.

330742. Col. No. P-411. Seed pearly white.

330743. Col. No. P-412. Seed pearly white, red and brown mixed.

330732 to 330921—Continued

- 330744.** P-413. Seed white with dark subcoat and few red mixed.
- 330745.** Col. No. P-414. Seed chalky white with dark subcoat, yellow and red mixed.
- 330746.** Col. No. P-415. Seed brown.
- 330747.** Col. No. P-428. From Jidda, Ghinnir. Elevation 1,950 m. Collected by Sudan Interior Mission. Used for injera when mixed with teff. Heavy, black, clay soil. Seed reddish brown. Glumes dark.
- Dire Dawa market.
- 330748.** Col. No. P-424. Seed yellow and light red mixed.
- 330749.** Col. No. P-425. Seed small, reddish brown.
- 330750.** Col. No. P-426. Seed yellow.
- 330751.** Col. No. P-428. Seed pearly white, few light pink.
- 330752.** Col. No. P-429. Seed pearly white, yellow and light and dark red mixed.
- 330753.** Col. No. P-430. Seed small to very large, pearly white to light yellow mixed.
- 330754.** Col. No. P-431. Seed pearly white, yellow and red mixed.
- 330755.** Col. No. P-432. Seed pearly white, yellow and light red mixed.
- 330756.** Col. No. P-433. Seed dark brown.
- 330757.** Col. No. P-435. Seed pearly white.
- 330758.** Col. No. P-436. Seed pearly white, mostly light red mixed.
- 330759.** Col. No. P-437. Seed pearly white, light yellow, mostly light red mixed.
- Harrar market.
- 330760.** Col. No. P-438. Seeds pearly white, yellow, red and brown mixed.
- 330761.** Col. No. P-439. Seed mostly yellow, few light and red mixed.
- 330762.** Col. No. P-440. Seed mostly yellow, few red and brown mixed.
- 330763.** Col. No. P-441. Seed light red.
- 330764.** Col. No. P-442. Seed mostly yellow, few pearly white.
- 330765.** Col. No. P-443. Seed yellow.
- 330766.** Col. No. P-445. Seed yellow.
- 330767.** Col. No. P-446. Seed pinkish red.
- 330768.** Col. No. P-447. Seed yellow.
- 330769.** Col. No. P-448. Seed yellow.
- 330770.** Col. No. P-449. Seed yellow.
- 330771.** Col. No. P-450. Seed pearly white and pinkish red mixed.
- 330772.** Col. No. P-451. Seed pearly white, yellow and red mixed.
- 330773.** Col. No. P-452. Seed yellow.
- 330774.** Col. No. P-453. Seed yellow.
- 330775.** Col. No. P-454. Seed pearly white.
- 330776.** Col. No. P-455. Seed yellow and red mixed.
- 330777.** Col. No. P-456. Seed mostly yellow, few red.
- 330778.** Col. No. P-457. Seed yellow.
- 330779.** Col. No. P-458. Seed yellow.

330732 to 330921—Continued

330780. Col. No. P-459. Seed yellow and light red.
 330781. Col. No. P-460. Seed few pearly white, mostly red.
 330782. Col. No. P-461. Seed pearly white and light red mixed.
 330783. Col. No. P-462. Seed pearly white, yellow, red and brown mixed.
 330784. Col. No. P-463. Seed yellow, few white, red and brown mixed.

Alemaya market.

330785. Col. No. P-464. Seed pearly white.
 330786. Col. No. P-465. Seed light and dark red mixed.
 330787. Col. No. P-466. Seed pearly white, red and brown mixed.
 330788. Col. No. P-467. Seed white and red mixed.
 330789. Col. No. P-468. Seed pearly white, red and brown mixed.
 330790. Col. No. P-469. Seed few pearly white, mostly light red.
 330791. Col. No. P-470. Seed pearly white, light and dark red and brown mixed.
 330792. Col. No. P-471. Seed pearly white, light red and brown mixed.
 330793. Col. No. P-472. Seed pearly white, yellow, red and brown mixed.
 330794. Col. No. P-473. Seed pearly white, few light pink and brown.
 330795. Col. No. P-474. Seed pearly white, red and brown mixed.
 330796. Col. No. P-477. From Bolosso, elevation 1,350 m.

Collected by Sudan Interior Mission. Red soil type area. Seed white with red to purple blotches, dark subcoat. Glumes dark.

330797. Col. No. P-478. From Bolosso, elevation 1,350 m.

Collected by Sudan Interior Mission. Red soil type. Seed pearly red brown.

From Woliso. Collected by Sudan Interior Mission. Elevation 2,160 to 2,400 m. Red and black cotton soil.

330798. Col. No. P-482. Seed pearly red brown.
 330799. Col. No. P-483. Seed red brown.
 330800. Col. No. P-484. Seed pearly white and red and brown.
 330801. Col. No. P-485. Seed brown.
 330802. Col. No. P-487. Seed pearly white and light red.

Dembidolo market. Elevation 1,560 m.

330803. Col. No. P-503. Seed pearly white.
 330804. Col. No. P-504. Seed pearly red.
 330805. Col. No. P-506. Seed pearly white and red mixed.
 330806. Col. No. P-507. Seed mostly pearly white, few red.
 330807. Col. No. P-510. Seed small, chalky white; dark subcoat. (Hegari type).
 330808. Col. No. P-516. From Nekempt market. Seed chalky white with dark subcoat and reddish brown mixed.
 330809. Col. No. P-517. From Nekempt market. Seed chalky white with dark subcoat and reddish brown mixed.
 330810. Col. No. P-518. From Nekempt. Local name Tinkish.

Collected by agricultural agents in area. Stalk said to be sweet. Seeds shatter. Head open, central rachis. Glumes long, black, cover seed.

330732 to 330921—Continued

330811. Col. No. P-519. From Tinfa in Nekempt. Local name Anhero. Collected by Agricultural Agent in area. Used for injera. Seed pearly white. Head semicompact, no central rachis. Glumes black, cover $\frac{1}{2}$ of seed.
330812. Col. No. P-520. From Nekempt area. Local name Bobay. Collected by agricultural agent in area. Used for porridge, injera, and tella. Seed white. Head long, semicompact, central rachis. Glumes pubescent, covering $\frac{2}{3}$ of seed, awned.
330813. Col. No. P-521. From Sire, Nekempt. Local name Bobay. Collected by agricultural agent in area. Used for porridge, injera, and tella. Seed white. Head long, semicompact, central rachis. Glumes pubescent, covering $\frac{2}{3}$ of seed, awned.
330814. Col. No. P-522. From Sire, Nekempt. Collected by agricultural agent. Seed yellow. Head very compact, durra type. Glumes cover $\frac{1}{2}$ of seed, awned.
- From Nekempt. Local name Bisinga. Collected by agricultural agent.
330815. Col. No. P-523. Seed reddish brown. Head open, reduced central rachis. Glumes cover $\frac{1}{2}$ of seed, straw to brown, awned.
330816. Col. No. P-524. Seed deep red. Head open, no central rachis. Glumes cover $\frac{1}{2}$ of seed, dark, awns.
330817. Col. No. P-525. Seed grey brown. Head open, no central axis. Glumes cover $\frac{1}{2}$ of seed, dark, awned. Used for injera and tella.
330818. Col. No. P-526. From Tinfa, Nekempt. Local name Dappo. Collected by agricultural agent. Used for tella and injera. Seed reddish. Head semicompact, no central rachis. Glumes cover $\frac{1}{2}$ of seed, mahogany, awnless.
330819. Col. No. P-527. From Nekempt area. Local name Sippo. Collected by agricultural agent. Used for tella and porridge. Seed brown. Head open, central rachis. Glumes covering seed, black, awnless.
330820. Col. No. P-528. From Arjo. Local name Red Bisinga. Collected by agricultural agent. Seed reddish brown. Head semicompact, no central rachis. Glumes cover $\frac{1}{2}$ of seed, red to brown, awns.
330821. Col. No. P-529. From Nekempt area. Local name Bisinga. Collected by agricultural agent. Seed reddish brown. Heads semicompact, reduced rachis. Glumes cover $\frac{1}{2}$ of seed, awned.
330822. Col. No. P-530. From Masara, Nekempt. Local name Chabbi. Collected by agricultural agent. Used for injera. Seed white. Heads long, open, central rachis, extended. Glumes cover $\frac{2}{3}$ of seed, awned.
330823. Col. No. P-531. From Nekempt area. Local name Sippo. Collected by agricultural agent. Used for porridge and tella. Seed brown. Heads open, sudangrass type. Glumes covering seed, purple black, awned.
330824. Col. No. P-532. Near the Didessa River, Didessa, Nekempt. Local name Red Dappo. Collected by agricultural agent. Used for porridge, injera, and tella. Seed reddish brown. Head open, to 20 cm. long pedicels, seed clustered on end. Glumes cover $\frac{1}{2}$ of seed, black, pubescent, awnless.
330825. Col. No. P-533. From Nekempt area. Collected by agricultural agent. Seed reddish brown. Heads open, central rachis. Glumes cover $\frac{1}{2}$ of seed, brown, awned.
330826. Col. No. P-534. From Arjo area. Local name Boba. Collected by agricultural agent. Seed white. Heads open, no rachis. Glumes cover $\frac{1}{2}$ of seed, sienna, awnless.

330732 to 330921—Continued

330827. Col. No. P-535. From Sire, Nekempt. Collected by agricultural agent. Seed light red brown. Head open, no rachis. Glumes cover $\frac{1}{2}$ of seed, black, awned.
330828. Col. No. P-536. From Gimbi. Collected by agricultural agent. Seed reddish brown. Head open, no rachis. Glumes cover less than $\frac{1}{4}$ of seed, mahogany, awned.
330829. Col. No. P-537. From Tinfa, Nekempt. Sweet sorghum type. Collected by agricultural agent. Seed brown. Head open, no rachis. Glumes purple, cover seed, awned.
330830. Col. No. P-538. From Nekempt area. Collected by agricultural agent. Seed light red. Head open, central rachis extended. Glumes cover $\frac{1}{2}$ of seed, brown to purple, awned.
330831. Col. No. P-539. From Nekempt area. Collected by agricultural agent. Seed red. Head open, no rachis, extended. Glumes cover $\frac{1}{2}$ of seed, tan, awned.
330832. Col. No. P-540. From Sire, Nekempt. Collected by agricultural agent. Seed brown. Head open, central rachis, extended. Glumes mahogany to black, awned.
330833. Col. No. P-541. From Arbgebeya, Nekempt. Collected by agricultural agent. Seed brown. Heads open, no rachis, extended. Glumes straw to green as immature when harvested, awned.
330834. Col. No. P-542. From Didessa, Nekempt. Collected by agricultural agent. Seed tan. Head open, 20 cm. pedicels, seeds clustered on ends. Glumes cover $\frac{1}{2}$ of seed, pubescent, black, awnless.
330835. Col. No. P-543. From Gimbi. Collected by agricultural agent. Seed grey tan. Head open, no rachis. Glumes cover $\frac{1}{2}$ of seed, purple, awned.
330836. Col. No. P-544. From Gimbi. Collected by agricultural agent. Seed white. Head open, central rachis, extended. Glumes light purple, cover $\frac{1}{2}$ of seed, awned.
330837. Col. No. P-545. From Arbgebeya, Nekempt. Collected by agricultural agent. Seed tan. Head open, pedicels 20 cm., heavy. Glumes purple, pubescent, cover $\frac{1}{2}$ of seed, awnless. Seeds clustered on ends.
330838. Col. No. P-546. From Boneya, Nekempt. Collected by agricultural agent. Seed pearly red. Head compact, durra type. Glumes cover $\frac{1}{2}$ of seed, black, awned.
330839. Col. No. P-547. From Gimbi. Collected by agricultural agent. Seed reddish. Head semicompact, central rachis. Glumes cover $\frac{1}{2}$ of seed, purple, awned.
330840. Col. No. P-548. From Sire, Nekempt. Collected by agricultural agent. Seed reddish. Head open, no rachis. Glumes cover $\frac{1}{2}$ of seed, mahogany, awned.
330841. Col. No. P-549. From Nekempt area. Collected by agricultural agent. Seed pearly light red orange. Head open, rachis extended. Glumes cover $\frac{1}{2}$ of seed, mahogany, awned.
330842. Col. No. P-550. From Nekempt area. Collected by agricultural agent. Seed brown. Head semicompact, no rachis, extended. Glumes immature as green, probably purple, awned.
- From Sire, Nekempt. Collected by Agricultural Agent.
330843. Col. No. P-551. Seed white with blotches. Head open, rachis extended. Glumes purple, awned.
330844. Col. No. P-552. Seed reddish. Head open, rachis extended to one node. Glumes mahogany, awned.

330732 to 330921—Continued

- 330845.** Col. No. P-553. Seed reddish. Head open, rachis extended. Glumes cover $\frac{1}{2}$ of seed, mahogany to purple, awnless.
- 330846.** Col. No. P-554. From Tinfa, Nekempt. Collected by agricultural agent. Seed tan. Head semicompact. Glumes dark, awned.
- 330847.** Col. No. P-555. From Boneya, Nekempt. Seed brown. Head open, rachis extended. Glumes covering seed, black, awned.
- 330848.** Col. No. P-556. From Gimbi. Collected by agricultural agent. Seed pearly reddish. Head compact, durra type. Glumes cover $\frac{1}{4}$ of seed or less, dark, awned.
- 330849.** Col. No. P-557. From Gimbi, Agedda. Collected by agricultural agent. Seed reddish brown. Head open, rachis extended. Glumes straw to white, cover $\frac{3}{4}$ of seed, awned.
- 330850.** Col. No. P-558. From Arjo. Collected by agricultural agent. Seed reddish. Head compact to open. Glumes mahogany, awnless.
- 330851.** Col. No. P-559. From Harato, Horro Guduru. Collected by agricultural agent. Seed reddish brown. Head semicompact, rachis extended. Glumes cover $\frac{1}{2}$ of seed, black, awned.
- 330852.** Col. No. P-560. From Sire, Nekempt. Collected by agricultural agent. Seed red brown. Head open. Glumes cover $\frac{1}{2}$ of seed, black, awned.
- 330853.** Col. No. P-561. From Tawi, Nekempt. Collected by agricultural agent. Seed pearly light orange. Head semi-open. Glumes cover $\frac{1}{2}$ of seed, purple black, awned.
- 330854.** Col. No. P-562. From Gutte, Nekempt. Collected by agricultural agent. Seed pearly red brown. Head open. Glumes cover $\frac{1}{2}$ of seed, purple, pubescent, awned.
- 330855.** Col. No. P-563. From Gutte, Nekempt. Collected by agricultural agent. Seed tan. Head open. Glumes cover $\frac{1}{2}$ of seed, straw, awned.
- 330856.** Col. No. P-564. From Nekempt area. Collected by agricultural agent. Seed grey tan. Head open. Glumes cover $\frac{1}{2}$ of seed, black, awned.
- 330857.** Col. No. P-565. From Harato, Horro Guduru. Collected by agricultural agent. Seed red brown. Head semi-open, rachis extended. Glumes black purple, awned.
- 330858.** Col. No. P-566. From Gutte, Nekempt. Collected by agricultural agent. Seed white. Head open, rachis extended. Glumes white to straw, awned.
- 330859.** Col. No. P-567. From Sire, Nekempt. Seed orange. Head open. Glumes cover $\frac{1}{2}$ of seed, mahogany, awned. Collected by agricultural agent.
- 330860.** Col. No. P-568. From Nekempt area. Collected by agricultural agent. Seed brown. Head semicompact. Glumes cover $\frac{3}{4}$ seed, black, awned.
- 330861.** Col. No. P-569. From Gimbi. Collected by agricultural agent. Seed reddish brown. Head open. Glumes mahogany brown, awned.
- 330862.** Col. No. P-570. From Nekempt area. Collected by agricultural agent. Seed brown red. Head open. Glumes cover $\frac{3}{4}$ of seed, purple, awned.
- 330863.** Col. No. P-571. From Sire, Nekempt. Collected by agricultural agent. Seed white. Head long, open, rachis. Glumes grey white, awned.
- 330864.** Col. No. P-572. From Nekempt area. Collected by agricultural agent. Seed orange. Head open. Glumes reddish brown, awned.

330732 to 330921—Continued

330865. Col. No. P-573. From Arjo. Collected by agricultural agent. Seed reddish. Head large, 46 cm. long, open, central rachis extended. Glumes cover $\frac{1}{2}$ of seed, black to white, awned.

330866. Col. No. P-574. From Sire, Nekempt. Collected by agricultural agent. Seed red orange. Head open. Glumes cover $\frac{1}{3}$ of seed, mahogany, awned.

330867. Col. No. P-575. From Gutte, Nekempt. Collected by agricultural agent. Seed orange. Head open. Glumes cover $\frac{1}{2}$ of seed, straw, awned.

From Gambela market. Elevation 530 m.

330868. Col. No. P-582. Seed reddish brown. Heads 15 cm. long, cylindrical, compact. Glumes cover $\frac{1}{2}$ of seed, black, awnless.

330869. Col. No. P-583. Seed very light tan. Head 15 cm. long, cylindrical, compact. Glumes cover $\frac{1}{2}$ of seed, black, awnless.

330870. Col. No. P-584. Seed very light tan. Head 15 cm. long, cylindrical, compact. Glumes cover $\frac{1}{3}$ of seed, black, awnless.

330871. Col. No. P-585. Seed tan. Head 15 cm. long, cylindrical, compact. Glumes cover $\frac{1}{2}$ of seed, mahogany, awnless.

330872. Col. No. P-586. Seed pearly off white. Head 13 cm. long, cylindrical, compact. Glumes cover $\frac{1}{3}$ of seed, black, awnless.

330873. Col. No. P-587. Seed white. Head 18 cm. long. Glumes cover $\frac{1}{2}$ of seed, sienna, awnless.

From Village of Pckomo. Elevation below 530 m.

330874. Col. No. P-589. Local name Akwuu or Shwaap tong. Collected by American Mission at Pokwo, Gambela. On Baro River about 30 km. down from Gambela. Seed pearly white. Glumes black.

330875. Col. No. P-590. Local name Bomo Obonga. Seed chalky white. Pericarp tinted. Glumes black. Sorghum said to be main staple of Anuak people. Easier to prepare for food than corn.

330876. Col. No. P-591. Local name Lwaali. Collected by American Mission at Pokwo. Seed reddish brown. Glumes cover $\frac{1}{2}$ of seed, black.

330877. Col. No. P-592. From between Robi and Fiche near Mt. Badda. Elevation 650 m. Collected by Stanford Research Institute. Plant 2.1 to 2.7 m. tall. Seed brown. Head open, 20 cm. long. Glumes cover $\frac{1}{2}$ of seed, black, awned.

330878. Col. No. P-593. From between Robi and Fiche near Mt. Badda. Elevation, 2,400 m. Collected by Stanford Research Institute. Plant 2.1 to 2.7 m. tall. Seed brown. Head open, 15 cm. long. Glumes cover seed, pubescent, brown, awned.

From Lalibela market.

330879. Col. No. P-599. Seed yellow, red and brown.

330880. Col. No. P-600. Seed reddish brown.

330881. Col. No. P-601. Seed brown. Glumes black.

330882. Col. No. P-602. Seed yellow, brown and few red.

330883. Col. No. P-603. Seed reddish brown. Glumes black.

330884. Col. No. P-604. Seed yellow, red, brown and white. Teff mixed with sample.

330885. Col. No. P-605. Seed reddish brown.

From Axum market. Elevation 2,100 M.

330886. Col. No. P-609. Seed white, yellow and brown mixed.

330732 to 330921—Continued

330887. Col. No. P-610. Seed white and reddish brown mixed.
 330888. Col. No. P-611. Seed white, few reddish brown.
 330889. Col. No. P-612. Seed mostly yellow.
 330890. Col. No. P-613. Seed yellow to tan. Glumes covering seed, white.
 330891. Col. No. P-614. Seed white, yellow and reddish brown mixed.
 330892. Col. No. P-615. Seed mixed.
 330893. Col. No. P-616. Seed white, red to brown mixed.
 330894. Col. No. P-617. Seed mostly white but mixed.
 330895. Col. No. P-618. Seed small, brown. Glumes covering seed, mahogany to reddish brown.
 330896. Col. No. P-619. Seed yellow, tan, few small reddish brown mixed.
 330897. Col. No. P-620. Seed yellow to tan. Glumes nearly covering seed, straw.
 330898. Col. No. P-621. Seed mixed.
 330899. Col. No. P-622. Seed white with few yellow and brown mixed.
 330900. Col. No. P-623. Seed small, reddish brown.
 330901. Col. No. P-624. Seed white, few reddish brown.
 330902. Col. No. P-625. Seed yellowish tan.
 330903. Col. No. P-626. Seed white, few reddish brown.
 330904. Col. No. P-627. Seed mixed.
 330905. Col. No. P-628. Seed few white, yellow and reddish brown mixed.
 From Asmara market.
 330906. Col. No. P-632. Seed yellow with a few reddish brown.
 330907. Col. No. P-633. Seed white.
 330908. Col. No. P-634. Seed white and reddish brown mixed.
 330909. Col. No. P-635. Seed yellowish tan. Glume mixed color.
 330910. Col. No. P-636. Seed white and reddish mixed.
 330911. Col. No. P-637. Seed yellow, few reddish brown.
 330912. Col. No. P-638. Seed chalky white with dark subcoat.
 330913. Col. No. P-639. Seed reddish dark brown. Glumes black.
 330914. Col. No. P-640. Seed large, orange. Glumes black.
 330915. Col. No. P-641. Seed mixed.
 330916. Col. No. P-642. Seed yellowish white.
 330917. Col. No. P-643. Seed yellow, few red.
 330918. Col. No. P-644. Seed white.
 330919. Col. No. P-645. Seed yellowish tan.
 330920. Col. No. P-646. Seed yellow, red and few brown mixed.
 330921. Col. No. P-647. Seed white.

330922. ARUNDINARIA ANCEPS Mift. Gramineae.

From Royal Botanic Garden, Kew, Richmond, Surrey, England. Numbered June 4, 1968.

330923 to 330932.

From France. Plants presented by F. Delsunay, Angers. Numbered June 14, 1968.

330923. DANAE RACEMOSA (L.) Moench Liliaceae.

330924. HEDERA CANARIENSIS Willd. Araliaceae.

'Sir de Marenco'. *Variegata* (Sum 54)

330925. HEDERA COLCHICA Koch

Colchis Ivy.

330926. HEDERA COLCHICA var. DENTATA Hibb.

'Aurea Striata'.

330927. HEDERA HELIX L.

English ivy.

'Microphylla Variegata'.

330928. HEDERA HELIX f. ARBORESCENS (Loud.) Schneider

330929. HEDERA HELIX var. POETICA Weston

330930. HEDYSARUM MULTIJUGUM Mavim. Leguminosae.

Sweetvetch.

330931. IRIS FOETIDISSIMA L. Iridaceae.

Gladwin iris.

Variegated form.

330932. IRIS PSEUDACORUS L.

Yellowflag iris.

330933 to 330949.

From Japan. Plants presented by Michio Matsuoka. The Botanical Garden of Osaka City University, Katano, Kitakawachi, Osaka. Numbered June 14, 1968.

330933 and 330934. HEMEROCALLIS × AURANTICA Baker Liliaceae.

Orange daylily.

330933. Cultivated.

330934. Tsushima Island, Nagasaki.

330935. HEMEROCALLIS CITRINA Baroni

Citron daylily.

From Peking. Cultivated.

330936. HEMEROCALLIS DUMORTIERI Morr.

Cultivated.

330937. HEMEROCALLIS EXALTATA Stout

From Tobishima, Yamagata.

330938 to 330940. HEMEROCALLIS FULVA L.

330938. From China.

330939. From Northern Thailand. Evergreen foliage.

330940. 'Sempervirens'. Anami-oshima, Kagoshima.

330941. HEMEROCALLIS FULVA var. DISTICHA (James Donn) Baker

From Takayama, Gifu.

330942 and 330943. HEMEROCALLIS FULVA var. KWANSO Regel

330942. Cultivated. Leaves white striped.

330943. From Fan, Thailand.

330944. HEMEROCALLIS HAKUNENSIS Nakai

From Korea.

330945. HEMEROCALLIS LITTOREA Makino

From Ashizurimisaki, Kochi.

330933 to 330949—Continued

330946 and 330947. *HEMEROCALLIS MIDDENDORFFII* var. *ESCULENTA* (Koidz.) Ohwi

330946. From Hokkaido.

330947. From Kamikochi, Nagano.

330948. *HEMEROCALLIS VESPERTINA* Hara
From Shirahama, Wakayama.

330949. *HEMEROCALLIS YEZOENSIS* Hara
From Hokkaido.

330950. *PUERARIA TONKINENSIS* Gapnep. Leguminosae. 314965

From Taiwan. Seed presented by Chia Huang, Joint Commission on Rural Reconstruction, Taipei. Numbered June 14, 1968.

330951 to 330955.

From Ireland. Seed presented by The Earl of Rosse, Birr Castle, Offaly. Numbered June 14, 1968.

330951. *ABIES KAWAKAMII* Hayata Pinaceae. Fir.

330952. *ABIES SPECTABILIS* Lambert ex Spach Himalayan fir.

330953. *PICEA ASPERATA* Masters. Pinaceae.

330954. *PICEA SMITHIANA* (Wall.) Boiss.

330955. *TILIA DASYSTYLA* Stev. Tiliaceae.

330956. *LYCOPERSICON ESCULENTUM* L. Solanaceae. Tomato.

From Colombia. Seed presented by Franco Borello, Conservas California de Baranquilla, Baranquilla. Numbered June 14, 1968.

'Santa Rosa'.

330957 to 330960. *TRITICUM AESTIVUM* L. Gramineae.

Common wheat.

From New Zealand. Seed presented by G. M. Wright, Department of Scientific and Industrial Research, Private Bag, Christchurch. Numbered June 14, 1968.

330957. 'Festiguay'. **330959.** 'Raven'.

330958. 'Mendos'. **330960.** 'Triple Dirk'.

330961. *GLYCINE TOMENTELLA* Hayata Leguminosae.

From the Philippines. Seed collected by J. V. Pancho, University of Philippines, Laguna. Numbered June 14, 1968.

Col. No. 6285. Bataan Island. On littoral rocky wayside.

330962. *TRITICUM AESTIVUM* L. Gramineae. Common wheat.

From Rhodesia. Seeds presented by Salisbury Research Station, Causeway, Salisbury. Numbered June 14, 1968.

S891A3.

330963 and 330964.

From Afghanistan. Seed collected in Kabul by Robert R. Shaw, Dallas, Texas. Numbered June 14, 1968.

330963. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.

330964. *RAPHANUS SATIVUS* L. Cruciferae. Radish.

330965. SECALE CEREALE L. Gramineae. Rye.

From Germany. Seed presented by R. O. K. Von Sengbusch, Max-Planck Institut for Kulturpflanzenzuchtung, Hamburg-Volksdorf. Numbered June 14, 1968.

'Petkus'. Diploid form.

330966 and 330967. ARACHIS HYPOGAEA L. Leguminosae.

From Uganda. Seed presented by Senior Research Officer, Serere Research Station, Soroti. Numbered June 14, 1968.

330966. Strain 279. Introduced into Uganda 1963 as Georgia selection 119-20. Brown skinned, spreading type.

330967. Strain 295. Introduced into Uganda 1962 from Bambej, Senegal. Extremely resistant to rosette under local tests. Low yielding; variety 52-11.

330968 to 331000. SORGHUM BICOLOR (L.) Moench Gramineae.

From Uganda. Seed collected by L. V. Peters, Crops Research Division, United States Department of Agriculture, Serere Experiment Station, Soroti. Numbered June 17, 1968.

330968. Col. P-218. Eighty miles north of Mbale.

330969. Col. P-223. Mbale market.

330970. Col. P-229. Thirty-seven miles south of Gulu.

330971. Col. P-234. Thirty miles northeast of Gulu.

330972. Col. P-239. Forty-six miles west of Kitgum.

330973. Col. P-243. Thirty miles northwest of Attiak.

330974. Col. P-244. Thirty miles northwest of Attiak.

330975. Col. P-250. Twenty-four miles west of Gulu.

330976. Col. P-256. Thirty miles west of Pakwach.

330977. Col. P-257. One mile east of Nebbi, 31 miles west of Pakwach.

330978. Col. P-260. Batiaba.

330979. Col. P-262. Ten miles north of Hoima.

330980. Col. P-266. Kitoba market.

330981. Col. P-269. Kitoba market.

330982. Col. P-271. Kitoba market.

330983. Col. P-280. Sixty-two miles northwest of Kampala.

330984. Col. P-288. Busembatia market.

330985. Col. P-295. Sixty miles west of Masaka.

330986. Col. P-303. Muhanga market (Kigezi).

330987. Col. P-305. Kanaba Gap. Elevation 8,000 feet.

330988. Col. P-306. Rubardalo (Kigezi).

330989. Col. P-307. Rubardalo (Kigezi).

330990. Col. P-308. Rubardalo (Kigezi).

330991. Col. P-309. Ten miles northwest of Kabale.

330992. Col. P-311. Mburamezi, 35 miles north of Kabale.

330993. Col. P-323. Kihihi.

330994. Col. P-325. Four miles south of Kasese.

330995. Col. P-329. Ft. Portal market.

330968 to 331000—Continued

330996. Col. P-330. Ft. Portal market.
 330997. Col. P-332. Forty-eight miles east of Ft. Portal.
 330998. Col. P-333. Forty-eight miles east of Ft. Portal.
 330999. Col. P-335. Mubende.
 331000. Col. P-337. Mityana.

331001 to 331031.

From the Union of Soviet Socialist Republics. Seeds presented by Main Botanic Garden, Academy of Sciences, Moscow. Numbered June 17, 1968.

Originally from Batumi Botanic Garden, Georgian Soviet Socialist Republic, Caucasus.

331001. *ILEX AQUIFOLIUM* L. Aquifoliaceae. English holly.
 331002. *ILEX CASSINE* Walt. Dahoon.
 331003. *ILEX CORNUTA* Lindl. & Paxt. Chinese holly.
 331004. *ILEX CRENATA* Thunb. Japanese holly.
 331005. *ILEX LATIFOLIA* Thunb. Luster leaf holly.
 331006. *ILEX PERADO* Ait.
 331007. *PYRACANTHA CRENULATA* (D. Don) Roemer Rosaceae. Nepal firethorn.
 331008. *RHODODENDRON LUTEUM* Sweet Ericaceae.
 331009. *RHODODENDRON PONTICUM* L. Pontic rhododendron.
 331010. *VIBURNUM CORIACEUM* Blume Caprifoliaceae.
 331011. *VIBURNUM DILATATUM* Thunb. Linden viburnum.
 331012. *VIBURNUM JAPONICUM* (Thunb.) Spreng.
 331013. *VIBURNUM TINUS* L. Laurustinus.

Originally from Sukhumi Botanic Garden, Georgian Soviet Socialist Republic, Caucasus.

331014. *PYRACANTHA CRENULATA* (D. Don) Roemer Rosaceae. Nepal firethorn.
 331015. *RHODODENDRON LUTEUM* Sweet Ericaceae.
 331016. *VIBURNUM DILATATUM* Thunb. Caprifoliaceae. Linden viburnum.
 331017. *VIBURNUM HUPEHENSE* Rehder Hupeh viburnum.
 331018. *VIBURNUM JAPONICUM* (Thunb.) Spreng.
 331019. *VIBURNUM RHYTIDOPHYLLUM* Hemsl. Leatherleaf viburnum.

Originally from Baku Botanical Institute, Azerbaïdzhan Soviet Socialist Republic.

331020. *PYRACANTHA COCCINEA* Roemer Rosaceae.
 331021. *PYRACANTHA CRENULATA* var. *KANSUENSIS* Rehder
 331022. *VIBURNUM JAPONICUM* (Thunb.) Spreng. Caprifoliaceae.
 331023. *VIBURNUM OPULUS* L.

Originally from Nikita Botanic Garden, Yalta, Crimea.

331024. *CARYOPTERIS TANGUTICA* Maxim. Verbenaceae. Bluebeard.
 331025. *CERCIS SILIQUASTRUM* L. Leguminosae. Judas-tree.
 331026. *ILEX AQUIFOLIUM* L. Aquifoliaceae. English holly.
 331027. *ILEX AQUIFOLIUM* f. *HETEROPHYLLUM* Ait.

331001 to 331031—Continued

331028. PYRACANTHA CREMULATA f. FLAVUM Anon. Rosaceae.
331029. VIBURNUM ODORATISSIMUM Ker-Gawl. Caprifoliaceae.
Sweet viburnum.
331030. VIBURNUM RHYTIDOPHYLLUM Hemsl. Leatherleaf viburnum.
331031. VIBURNUM TINUS L. Laurustinus.

331032. HIBISCUS sp. Malvaceae.

From Mauritius. Seed presented by R. E. Vaughn, Sugar Industry Research Institute, Reduit. Numbered June 17, 1968.

Grown in the Cunepips Gardens.

331033 to 331064.

From India. Seed presented by A. K. Sharma, University of Calcutta, Calcutta, under P.L. 480 project A7-CR-102. Collected in Eastern Himalayas. Numbered June 18, 1968.

331033. ASTILBE RIVULARIS Buch.-Ham. ex D. Don Saxifragaceae.
331034. CLEMATIS BUCHANIANA DC. Ranunculaceae.
331035. CLEMATIS CONNATA DC.
331036. CLEMATIS GRATA Wall. Himalayan clematis.
331037. CLEMATIS MONTANA Buch.-Ham. ex DC. Anemone clematis.
331038. HYDRANGEA ROBUSTA Hook. f. & Thoms. Saxifragaceae.
331039. IRIS ENSATA Thunb. Iridaceae. Russian iris.
331040. IRIS SPURIA subsp. AUREA (Lindl.) Dykes
331041. LACTUCA HASTATA DC. Compositae.
331042. LILIUM GIGANTEUM Wall. Liliaceae. Giant lily.
331043. LILIUM NEPALENSE D. Don Nepal lily.
331044. LILIUM WALLICHIANUM Schult. f. Wallich lily.
331045. PRIMULA CAPITATA Hook. Primulaceae. Purplehead primrose.
331046. PRIMULA DENTICULATA J. E. Smith Himalayan primrose.
331047. PRIMULA GERANIFOLIA Hook. f.
331048. PRIMULA IANTHINA J. B. Balfour & Cave
331049. PRIMULA INVOLUCRATA Wall. ex Naudin Pinnacle primrose.
331050. PRIMULA JAPONICA A. Gray Japanese primrose.
331051. PRIMULA NUTANS Delav. ex Franch. Sleepy primrose.
331052. PRIMULA OBCONICA Hance Top primrose.
331053. PRIMULA OBTUSIFOLIA Royle Bluntleaf primrose.
331054. PRIMULA POLYANTHA Mill.
331055. PRIMULA PROLIFERA Wall.
331056. PRIMULA RETICULATA Wall.
331057. PRIMULA ROTUNDIFOLIA Wall. ex Roxb.
331058. PRIMULA SAPPHIRINA Hook. f. & Thoms. ex Watt
331059. PRIMULA SIKKIMENSIS Hook. Sikkim primrose.
331060. PRIMULA SINENSIS Sabine
331061. PRIMULA SMITHIANA Craib
331062. PRIMULA STUARTII Wall.

331033 to 331064—Continued

331063. SOLANUM KHASIANUM C. B. Clarke Solanaceae.
 331064. VIBURNUM ERUBESCENS Wall. ex DC. Caprifoliaceae.

331065 to 331071.

From Japan. Seed presented by Homiki Uyeki, Agricultural College, Ehime University, Matuyama. Numbered June 18, 1968.

331065. ARDISIA CRISPA (Thunb.) A. DC. Myrsinaceae.
 331066. CRYPTOMERIA JAPONICA (L.f.) D. Don Pinaceae. Common cryptomeria.
 331067. HIBISCUS MUTABILIS L. Malvaceae. Cotton rosemallow.
 331068. ILEX CORNUTA Lindl. & Paxt. Aquifoliaceae. Chinese holly.
 331069. ILEX ROTUNDA Thunb.
 331070. LIGISTRUM LUCIDUM Ait. Oleaceae. Glossy privet.
 331071. MACROCARPIUM OFFICINALE Nakai Cornaceae.

331072 to 331082.

From Japan. Seed presented by Botanical Garden, Tohoku University, Sendai. Numbered June 18, 1968.

331072. CARPINUS CORDATA Blume Betulaceae.
 331073. CARPINUS JAPONICA Blume
 331074. CARPINUS LAXFLORA Blume
 331075. CARPINUS TSCHONOSKII Maxim.
 331076. CHIONANTHUS RETUSUS Lindl. Oleaceae. Chinese fringetree.
 331077. FIRMIANA SIMPLEX (L.) W. F. Wight Sterculiaceae. Chinese parasoltree.
 331078. FRAXINUS SIEBOLDIANA Blume Oleaceae. Ash.
 331079. MISCANTHUS SACCHARIFLORUS (Maxim.) Hack. Gramineae. Silvergrass.
 331080. SOPHORA FLAVESCENS var. ANGUSTIFOLIA (Sieb. & Zucc.) Kitag. Leguminosae.
 331081. TILIA JAPONICA (Miquel) Simonk. Tiliaceae. Japanese linden.
 331082. TILIA MAXIMOWICZIANA Shiras.

331083 to 331096.

From the Union of Soviet Socialist Republics. Seed presented by Botanical Garden, Subtropical Research Station, Sochi. Received June 18, 1968.

331083. CERCIS CANADENSIS L. Leguminosae. American redbud.
 331084. CERCIS CHINENSIS Bunge
 331085. CERCIS SILIQUASTRUM L. Judas-tree
 331086. ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.
 331087. ILEX CORNUTA Lindl. & Paxt. Chinese holly.
 331088. ILEX CRENATA Thunb. Japanese holly.
 331089. ILEX LATIFOLIA Thunb. Luster leaf holly.
 331090. RHODODENDRON LUTEUM Sweet Ericaceae.
 331091. RHODODENDRON PONTICUM L. Pontic rhododendron.
 331092. VIBURNUM ACERIFOLIUM L. Caprifoliaceae.
 331093. VIBURNUM CARLESII Hemsl. Fragrant viburnum.

331083 to 331096—Continued

331094. *VIBURNUM JAPONICUM* (Thunb.) Spreng.
 331095. *VIBURNUM OPULUS* L. European cranberry bush.
 331096. *VIBURNUM RHYTIDOPHYLLUM* Hemsl. Leatherleaf viburnum.

331097 to 331099. *VIGNA SINENSIS* (Torner) Savi Leguminosae.
Common cowpea.

From Mali. Seed collected in Bandiagara Market by Jack Harlan, Department of Agronomy, University of Illinois, Urbana, Illinois. Received June 18, 1968.

Components based on color sorted from mixed sample.

331097. No. 1. White, dark eye.
 331098. No. 2. Brown.
 331099. No. 3. White, speckled grey.

331100. *LATHYRUS CICERA* L. Leguminosae. Flat peavine.

From Greece. Seed presented by the Director, Institute for Fodder Crops, Larissa. Received June 18, 1968.

Foundation seed of variety L-121.

331101 to 331140.

From Uruguay. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Georgia. Numbered June 18, 1968.

331101. *ANDROPOGON SCOPARIUS* Michx. Gramineae. Little bluestem.

Col. No. 43. Guariyu arroyo on Route 3, south of Salto. Bunch plant to 1.2 m. high, very leafy.

331102. *AXONOPUS COMPRESSUS* (Swartz) Beauv. Gramineae.
Tropical carpetgrass.

Col. No. 34. Twelve km. east of Colonia, 40 km. from Rio de la Plata.

331103 and 331104. *BOTHRIOCHLOA LAGUROIDES* (DC.) Herter Gramineae.

331103. Col. No. 39. Route No. 2 at Km. 269.5. Bunch type plants, 40 cm. high, growing in natural stand of *Paspalum* and *Bothriochloa* species.

331104. Col. No. 64. Route No. 5. Km. marker 281 south of Peralta. Plants 61 to 76 cm. Dominant plant in pasture mixture.

331105. *CHLORIS* ~~sp.~~ Gramineae. *calera* (Sum. 37)

Col. No. 48. Along roadside Route No. 3 at Km. 458.3 south of Salto.

331106. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. Watermelon.

Col. No. 29. Route No. 5, 74 km. north of Tacuarembó. Fruit round, 20 cm. in diameter, flesh red, rind green, seed black.

331107. *DESMODIUM* ~~sp.~~ Leguminosae. *canum* (Sum. 37)

Col. No. 54. Araujo arroyo, Route No. 26. Low growing, to 25 cm. high, erect.

331108. *ERYTHRINA CRISTA-GALLI* L. Leguminosae. Coral tree.

Col. No. 32. 'Ceibo'. Playa Arenisca, Colonia. Tree 3.6 to 6.0 m. high; flowers bright red.

331109. *GALACTIA MARGINALIS* Benth. Leguminosae.

Col. No. 57. Twenty-six km. east of Route 3 on Route 26. Growing in dense stand of bahiagrass.

331101 to 331140—Continued

331110. *INDIGOFERA* sp. Leguminosae. *suffruticosa* (Lam 3)
Col. No. 31. Fourteen km. northwest of Colonia, 100 m. from Rio de la Plata. Shrub 1.0 m. high; branches many, spreading.
331111. *LEPTOCORYPHIUM LANATUM* Nees Gramineae.
Col. No. 49. Six km. east of Route 3 on Route 26. Plants 1.2 m. high; bunch type.
- 331112 and 331113. *PASPALUM DILATATUM* Poir. Gramineae. Dallisgrass.
331112. Col. No. 63. Route 5, south of Peralta. Km. 281.
331113. Col. No. 66. Km. 314 marker on Route 5 near Pampa. Small type.
- 331114 to 331123. *PASPALUM NOTATUM* Fluegge. Bahiagrass.
331114. Col. No. 30. Playa Arenisca, 8 km. northwest of Colonia, on beach of Rio de la Plata.
331115. Col. No. 38. Plants growing along Route 2, 6.5 km. east of Mercedes, Soriano Department, at Km. 269.5 marker.
331116. Col. No. 42. Guaviya arroya on Route 3, south of Salto. Robust ecotype with long racemes.
331117. Col. No. 45. Twelve km. south of Sato on Route 3.
331118. Col. No. 46. One km. south of confluence of Arroya San Antonio and Rio Uruguay, in heavily grazed area, near Salto.
331119. Col. No. 52. Arroya Aranja on Route 26.
331120. Col. No. 61. Football field, Rivera. Small form of bahiagrass.
331121. Col. No. 65. Km. 314 on Route 5.
331122. Col. No. 67. Near Pampa, Km. 314 marker on Route 5.
331123. Col. No. 68. Km. 314 on Route 5.
331124. *PASPALUM PAUCICILIATUM* (Parodi) Herter
Col. No. 53. Route 26, 6 km. east of Route 3. Prostrate type of growth. Sod forming.
331125. *PASPALUM Plicatulum* Michx. Brownseed paspalum.
Col. No. 44. Twelve km. south of Salto.
331126. *PASPALUM PUMILUM* Nees
Col. No. 62. Eight km. west of Route 5 on Route 30. Plant 24.4 cm high; leaves 0.6 cm. wide; growth prostrate.
331127. *PASPALUM QUADRIFARIUM* Lam.
Col. No. 47. Six km. east of Route 3 on Route 26. To 1.2 m. high; robust, coarse leaf. Erect bunch type.
331128. *PASPALUM STELLATUM* Humb. & Bonpl.
Col. No. 60. Ten km. south of Rivera.
331129. *PASPALUM* sp. *nicotiana* (Lam 51)
Col. No. 35. Near Rio de la Plata, 14 km., east of Colonia. Sand dunes. Plants 38.0 cm. high; bunch type.
331130. *PASPALUM* sp. *dilatatum* (Lam 48)
Col. No. 40. Along Route 2 at Km. 269.5. Low-growing prostrate plants; 20 cm. high.

331101 to 331140—Continued

331131. *PENNISETUM LATIFOLIUM* Spreng. Gramineae.

Col. No. 59. Route 26, 6 km. east of Route 3. Plants 1.2 m. high. Perennial bunchgrass.

331132. *RHYNCHOSIA* sp. Leguminosae.

Col. No. 50. Route 26, 6 km. east of Route 3. Plants low, erect; abundant in natural stand of *Paspalum* species.

331133. *RHYNCHOSIA* sp.

Col. No. 51. Route 26, 20 km. east of Route 3. Low growing, leafy.

331134. *SESBANIA* sp. Leguminosae.

Col. No. 33. Growing on sand dune along Rio de la Plata, 10 km. north-west of Colonia. Shrub 3 m. high.

331135. *SESBANIA* sp.

Col. No. 37. Twelve km. east of Colonia, near Rio de la Planta. Perennial shrub, 1.5 m. high. Branches many, spreading.

331136 and 331137. *SETARIA CAESPITOSA* Hack. & Arech. Gramineae.

331136. Col. No. 41. Route 2 at Km. 269.5. Plants erect, bunch type, 50 cm. high.

331137. Col. No. 55. Arroya Araujo, Route 26, 6 km. east of Route 3. Erect bunchgrass; 50 cm. high.

331138. *SETARIA FIEBRIGII* Herrm.

Col. No. 56. Route 26, 6 km. east of Route 3.

331139. *SETARIA GLOBULIFERA* (Steud.) Griseb.

Col. No. 58. Route 26, 6 km. east of Route 3.

331140. *SOLANUM SISYMBRIFOLIUM* Lam. Solanaceae.

Col. No. 28. Local name Revienta Caballo; Tutia. East bank Rio Uruguay at Salto. Plants 1.2 m. high; thorns many; fruit red, 1.27 cm. diameter.

331141 to 331144. *VIGNA SINENSIS* (Torner) Savi Leguminosae.
Common cowpea.

From Nigeria. Seeds presented by Kenneth Kopf, United States Agency for International Development, Lagos. Received June 20, 1968.

331141. Gbira. Local.

331143. Large white. Local.

331142. Large brown. Local.

331144. 6956-2A.

331145. *CARTHAMUS TINCTORIUS* L. Compositae. **Safflower.**

From the Union of Soviet Socialist Republics. Seed presented by All-Union Institute of Plant Industry, Leningrad. Received June 20, 1968.

'Milyutin's 114'. Forage type. From Uzbekistan.

331146 to 331151. *HORDEUM VULGARE* L. Gramineae.

From Canada. Seed presented by B. L. Harvey, University of Saskatchewan, Saskatoon. Originally from the Soviet Union. Numbered June 21, 1968.

331146. H Hor 3340/65.

331149. H Hor 3421/65A.

331147. H Hor 3378/65A.

331150. H Hor 3422/65A.

331148. H Hor 3417/65A.

331151. H Hor 3472/65A.

331152 and 331153.

From the United States. Seed grown at Regional Plant Introduction Station, Ames, Iowa. Numbered June 21, 1968.

331152 and 331153—Continued

331152. *AEGILOPS SQUARROSA* L. Gramineae.

Component of P.I. 317400.

331153. *AEGILOPS TRIUNCIALIS* L.

Barb goatgrass.

Component of P.I. 317398.

331154 to 331160.

From Argentina. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Station, Tifton, and Experiment. Georgia. Numbered June 24, 1968.

331154. *CYNODON HIRSUTUS* Stent Gramineae.

Col. No. 71. Boxcar cleaning station on railroad right-of-way 8 km. west of Manfredi, near Km. 642 on Route 9. Prostrate, stoloniferous, sod-forming; 10 cm. high. Seed heads few.

331155. *PAPPOPHORUM* sp. Gramineae. *pappiferum (Suntz)*

Col. No. 69. Road bank near Km. 640 on Route 9, west of Manfredi. To 1.5 m. high; stems coarse.

331156. *PASPALUM NOTATUM* Fluegge. Gramineae.

Bahiagrass.

Col. No. 86. Km. 644 on Route 9, west of Manfredi. Plants 76.20 cm. high, perennial, stoloniferous; stems coarse.

331157. *PASPALUM URVILLEI* Steud.

Vaseygrass.

Col. No. 87. Km. 644 on Route 9, west of Manfredi, near railroad right-of-way. Perennial, leafy bunchgrass; stems coarse.

331158. *PASPALUM* sp.

Col. No. 89. Km. 639 on Route 9, west of Manfredi. Perennial, prostrate, low growing; stems fine.

331159. *SETARIA ARGENTINA* Herrm. Gramineae.

Col. No. 68A. Road bank near Km. 641 on Route 9, 5 km. west of Manfredi. Leafy bunchgrass to 1 m. high; heavy seeder, spikes 13 cm. long.

331160. *STIPA HYALINA* Nees Gramineae.

Col. No. 70. Near railroad right-of-way, 8 Km. west of Manfredi on Route 9. Leafy bunchgrass, to 51 cm. high; leaves narrow, tough.

331161. *DOMBEYA SCHIMPERIANA* A. Rich. Sterculiaceae.

From Ethiopia. Seed collected by Robert E. Perdue, Jr., Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered June 24, 1968.

Col. No. 9602. Along Dodola Road, 15 km. east of Shashemene-Negele Road, Arusi Province. Common tree to 2.0 m. high, 76 cm. diameter breast high.

331162 to 331164.

From the United States. Plants grown at United States Plant Introduction Station, Miami, Florida. Numbered June 24, 1968.

331162 and 331163. *DOMBEYA BURGESSIAE* Gerrard Sterculiaceae.

331162. M-13674.

331163. M-18317.

331164. *MACHAERIUM ACULEATUM* Raddi Leguminosae. *hy + com (Suntz)*

M-11535. Original seed collected in Brazil, February 1944. Multiple-stem tree to 20 feet high.

331165. LESQUERELLA FENDLERI Wats. Cruciferae.

From the United States. Seed collected by Arthur S. Barclay, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered June 24, 1968.

Col. No. 2097. Along U. S. Highway 70, 11 miles northwest of Bylas, Graham County, Ariz. Elevation 2,750 feet. Abundant on caliche hills; plants selected for erect habit, capsule size, productivity.

331166. FICUS CARICA L. Moraceae. Common fig.

From India. Cuttings presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Numbered June 24, 1968.

'Poona Local'.

331167 to 331183.

From Argentina. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Obtained from Instituto Nacional de Tecnologia Agropecuaria, Manfredi. Numbered June 24, 1968.

331167. AGROPYRON SCABRIFOLIUM (Doell) Parodi Gramineae.

Col. No. 91. Perennial bunchgrass, 0.9 m. high, erect.

331168. AGROPYRON SCABRIGLUME (Hack.) Parodi.

Col. No. 92. Bunchgrass, 0.9 m. high, erect; stems coarse.

331169. BROMUS AULETICUS Trin. ex Nees Gramineae.

Col. No. 93.

331170. BROMUS BREVIS Steud.

Col. No. 95.

331171. BROMUS ~~INTERMEDIUS~~ Guss.

Col. No. 81. Originally from Cordoba. Bunchgrass to 1 m. high; prolific seeder.

331172. BROMUS UNIOLOIDES HBK.

Col. No. 94.

331173. ERAGROSTIS CURVULA (Schrad.) Nees Gramineae.

Weeping lovegrass.

Col. No. 88. Perennial bunchgrass, 50 to 80 cm. high. Very leafy, tough.

331174 to 331176. HELIANTHUS (hybrids) Compositae.

331174. Col. No. 73. 'Cordobes INTA'. ('Saratov' × 'Klein') × wild *Helianthus annuus*). Maturity 105 days. Commercial variety.

331175. Col. No. 74. 'Impira INTA'. (*Helianthus argophyllus* × 'Saratov'). Maturity 115 days.

331176. Col. No. 75. 'Manfredi INTA'. ('Saratov' × 'Klein') × wild *Helianthus annuus*). Maturity 125 days. Commercial variety.

331177. LOTUS CORNICULATUS L. Leguminosae.

Birdsfoot trefoil.

Col. No. 83. Originally from Cordoba. Semiprostrate; to 30.48 cm. high; good seed producer. Seed shatters.

331178. MEDICAGO sp. Leguminosae.

Col. No. 84. Very decumbent, 7.6 cm. high.

331179. MEDICAGO sp.

Col. No. 85. 'Polyhybrida'. Annual, prostrate, 10 cm. high.

331167 to 331183—Continued

- 25711 abla cc (Mem 37)*
331180. PANICUM ~~VIRGATUM L.~~ Gramineae. Switchgrass.
 Col. No. 90. Perennial bunchgrass, erect, leafy; stems coarse.
- 331181.** PHASEOLUS ACUTIFOLIUS A. Gray Leguminosae.
 Col. No. 79. Local name Tepari bean. Edible bean in field plots.
- 331182.** SORGHUM BICOLOR (L.) Moench Gramineae.
 Col. No. 72. 'Granador INTA'. Obtained from Senor Parodi. Seed brown. Grown commercially in Manfredi area.
- 331183.** VICIA DASYCARPA Ten. Leguminosae. Woollypod vetch.
 Col. No. 82.

331184 to 331201.

From Argentina. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Obtained from Instituto Nacional de Tecnologia Agropecuaria, Manfredi. Numbered June 25, 1968.

- 331184 and 331185.** ARACHIS DIOGOI Hoehne Leguminosae.
 All seed grown in 1966-67.
- 331184.** Col. No. 181. INTA 9835.
- 331185.** Col. No. 182. INTA 9841.
- 331186.** ARACHIS HYPOGAEA L.
 Col. No. 96. Irradiated material. White testa. MF 65X MI. XI-43. Seed grown in 1967.
- 331187 and 331188.** ARACHIS PARAGUARIENSIS Chod. & Hassl.
- 331187.** Col. No. 187. INTA K.C. 11488. Seed grown 1965-66.
- 331188.** Col. No. 188. INTA K.C. 11462. Seed grown 1966-67.
- 331189.** ARACHIS PUSILLA Benth.
 Col. No. 178. INTA 10038. Seed grown in 1966-67.
- 331190.** ARACHIS RIGONII A. Krapovickas & W. C. Gregory
 Col. No. 184. INTA 10034. Seed grown in 1966-67.
- 331191 to 331195.** ARACHIS VILLOSA var. CORRENTINA Burkart
 All seed grown in 1966-67.
- 331191.** Col. No. 173. INTA 7830.
- 331192.** Col. No. 174. INTA 7897.
- 331193.** Col. No. 175. INTA 9530 and 9531.
- 331194.** Col. No. 176. INTA 9548. Original local type.
- 331195.** Col. No. 186. INTA K.C. 12593.
- 331196 and 331197.** ARACHIS VILLOSA Benth.
 All seed grown in 1966-67.
- 331196.** Col. No. 177. INTA 22585.
- 331197.** Col. No. 179. (No INTA number).
- 331198.** ARACHIS sp.
 Col. No. 77. INTA 12404. Taprooted. Seed grown in 1966-67.
- 331199.** ARACHIS sp.
 Col. No. 180. INTA 9812. Seed grown in 1965-66.

331184 to 331201—Continued**331200. ARACHIS sp.**

Col. No. 183. INTA 10602. Seed grown in 1966–67.

331201. ARACHIS sp.

Col. No. 185. INTA 9993. Seed grown 1965–66.

331202 to 331206. ILEX (hybrids) Aquifoliaceae.

From the United States. Selections made by J. L. Creech and W. L. Ackerman at the United States Plant Introduction Station, Glenn Dale, Md. Numbered June 25, 1968.

Selections from an F_1 progeny resulting from a cross of *Ilex cornuta*, P.I. 65860 \times *I. ciliospinosa*, P.I. 78144 made in 1952.

331202. 'Albert Close'. Female evergreen shrub, compact, short, pyramidal, very short internodes, dense twiggy growth. Leaves deep green, semiglossy, spinose, ovate, $1\frac{1}{2}$ to $2\frac{1}{2}$ cm. long, 1 to $1\frac{1}{2}$ cm. wide, mostly 3 spines. Fruits red, round, peasize, pedicels short.

331203. 'William Cowgill'. Female evergreen shrub, compact, pyramidal. Leaves medium green, glossy, spinose, lanceolate, $2\frac{1}{2}$ to 4 cm. long, $1\frac{1}{4}$ to 2 cm. wide, mostly 7 spines. New growth pinkish, turning green. Fruits red, round, peasize, pedicels short, borne in clusters.

331204. 'Howard Dorsett'. Male evergreen shrub, compact, pyramidal. Leaves medium green, glossy, spinose, oblong lanceolate, 3 to 5 cm. long, $1\frac{1}{2}$ to 2 cm. wide, mostly 9 spines. New growth pinkish, turning green. Considered good companion plant to 'William Cowgill'.

331205. 'Edward Goucher'. Female evergreen shrub, compact, narrow columnar. Leaves deep green, glossy, spinose, lanceolate, $1\frac{3}{4}$ to $2\frac{1}{2}$ cm. long, $\frac{3}{4}$ to $1\frac{1}{4}$ cm. wide, mostly 7 spines. Fruits red, ovate, pea size, pedicels short, heavy bearing.

331206. 'Harry Gunning'. Male evergreen shrub, compact, globular. Leaves medium green, oblong lanceolate, 3 to $4\frac{1}{2}$ cm. long, $1\frac{1}{4}$ to $1\frac{3}{4}$ cm. wide, mostly 7 spines.

331207 to 331210.

From Hong Kong. Seed presented by Hong Kong Herbarium, Urban Council and Urban Services Department. Received June 25, 1968.

331207. CELTIS SINENSIS Pers. Ulmaceae. Chinese hackberry.
No. 225.

331208. FRAXINUS RETUSA Champ. ex Benth. Oleaceae.
No. 142.

331209. RHODOLEIA CHAMPIONI Hook. Hamamelidaceae.
No. 94.

331210. STYRAX SUBERIFOLIA Hook. & Arn. Styraceae.
No. 209.

331211. ILEX MITIS Radlk. Aquifoliaceae.

From the Republic of South Africa. Seed presented by National Botanic Gardens, Kirstenbosch, Newlands, Cape Province. Received June 25, 1968.

No. 372.

331212 to 331265.

From Ethiopia. Seed collected October-November 1967 by B. M. Leese and L. V. Peters, Crops Research Division, United States Department of Agriculture, Beltsville, Md., and K. O. Rachie, Rockefeller Foundation, New York, N.Y. Received June 25, 1968.

331212 to 331240. HORDEUM VULGARE L. Gramineae.

331212. Col. No. 63-B. Market in Harrar, Shoa Province. Six row type.

331213. Col. No. 117-B. Seventy-three km. west of Addis Ababa, Shoa Province. Plants one m. high; highly pigmented.

331214. Col. No. 125-B. Three km. west of Guder, Shoa Province. Heads two row; awns rough, pigmented.

Market in Asmara, Eritrea Province.

331215. Col. No. 288-B. Seed medium, yellow, gray and brownish black. Mixed with *Lolium temulentum*.

331216. Col. No. 289-B. Seed medium, dark gray, light and yellow. Mixed with *Lolium temulentum*.

331217. Col. No. 290-B. Seed medium, light gray.

331218. Col. No. 291-B. Seed yellow, dark and light gray.

331219. Col. No. 376-B. Local name Garbu. Seventy-four km. east of Shashamane, Shoa Province. Elevation 2,575 m. Mostly two row, covered, awns rough.

Thirteen km. east of Ababa, Bale Province. Elevation 3,500 m.

331220. Col. No. 384-B. Glumes and lemma pigmented; awns rough.

331221. Col. No. 387-B. Six row, covered; awns rough; pigmented veins in lemma.

331222. Col. No. 388-B. No data.

331223. Col. No. 420-B. Market in Soddo, Sidamo Province. Seed mixture, mostly two row. Mixed with *Lolium temulentum*.

331224. Col. No. 601-B. Forty km. south of Assella, Arussi Province. Elevation 2,500 m. Plants demonstrate varying degrees of resistance to rust. Heads 6 row, variously pigmented.

331225. Col. No. 687-B. Market in Jimma, Kaffa Province. Seed mixed. Maji, Kaffa Province. Elevation 2,130 m.

331226. Col. No. R-26. Six row; straw yellowish. Mixed with *Lolium temulentum*.

331227. Col. No. R-27. Seed large, black, naked. Mixed with *Lolium temulentum*.

331228. Col. No. R-56. Bedele, 300 km. west of Addis Ababa, Shoa Province. Slate gray.

Market in Debre Berhan, Shoa Province.

331229. Col. No. R-61. Mixture of types.

331230. Col. No. R-63. Mixture of types.

331231. Col. No. R-257. Market in Chuahe, Begemder Province. Lemmas yellow and dark gray. Mixed with *Lolium temulentum*.

Market in Addis Zennen, Begemder Province.

331232. Col. No. R-277. Lemmas dark gray. Mixed with *Lolium temulentum*.

331233. Col. No. R-281. Heads 2 row; lemmas white, yellow and black. Mixed with *Lolium temulentum*.

331212 to 331265—Continued

331212 to 331240—Continued

331234. Col. No. R-332. 101 km. south of Dejen, Shoa Province. Elevation 3,200 m. Heads 2 row; glume color variable.

Market in Chencho, Shoa Province.

331235. Col. No. R-346. Lemmas light yellow and gray.

331236. Col. No. R-347. Lemmas black.

331237. Col. No. P-65. Twenty km. north of Maichew, Tigre Province. Elevation 3,500 m. Heads 2 row; awns rough.

Adaba, Bale Province. Elevation 2,400 m. Local name Garbu. Rain-fall 674 mm. Soil heavy clay.

331238. Col. No. P-497. Two row, covered.

331239. Col. No. P-498. Two row, covered.

331240. Col. No. P-500. Seed mixed.

331241 to 331264. TRITICUM AESTIVUM L. Gramineae. Common wheat.

Market in Harrar, Shoa Province.

331241. Col. No. 57-B. Mixture of types. Mixed with *Sorghum bicolor* and *Lolium temulentum*.

331242. Col. No. 62-B. Mixture of types.

331243. Col. No. 64-B. Appears to be emmer. Mixed with *Hordeum vulgare*.

Market in Asmara, Eritrea Province. Local name Sinday.

331244. Col. No. 286-B. Seed medium, white and red. Mixed with *Lolium temulentum*.

331245. Col. No. 287-B. Seed medium large, wide. White.

Adaba, Bale Province. Elevation 2,600 m.

331246. Col. No. 377-B. Glumes and lemma pinkish; awns rugose.

331247. Col. No. 378-B. Heads somewhat flattened; seed elliptical; awns rugose.

Market in Soddo, Sidamo Province.

331248. Col. No. 421-B. Mixed with *Lolium temulentum*.

331249. Col. No. 423-B. Spring white type. Mixed with *Lolium temulentum*.

331250. Col. No. 427-B. Boditti, 40 km. west of Shasamane, Shoa Province. Mixed with *Lolium temulentum*.

331251. Col. No. 628-B. Ten km. south of Butajira, Shoa Province. Awned, clean, no disease.

331252. Col. No. 665-B. Market in Bilida, Kaca Province. Seed red. Mixed with *Lolium temulentum*.

331253. Col. No. 794-B. Cara, town near the Shembu Swamp, Wollega Province. Elevation 2,500 m. Volcanic soil. Wheat growing better than in any other place in Ethiopia.

Near Maji, Kaffa Province. Elevation 2,130 m.

331254. Col. No. R-24. Mixed with *Lolium temulentum*.

331255. Col. No. R-25. Mixed with *Hordeum vulgare*.

331256. Col. No. R-41. Gore, Illubabor Province. White, soft; spring type. Mixed with *Avena sativa* and *Lolium temulentum*.

Market in Debre Berhan, Shoa Province.

331212 to 331265—Continued**331241 to 331264—Continued**

331257. Col. No. R-70. Seed white; spring type.

331258. Col. No. R-74. Seed red and purple, pigmented. Mixed.

Market in Chancho, Shoa Province.

331259. Col. No. R-344. Mixed with *Lolium temulentum*.

331260. Col. No. R-345. Seed purplish red. Mixed with *Lolium temulentum*.

Adaba, Bale Province. Elevation 2,400 m. Rainfall 674 mm. Soil heavy or clayey. Local name Sinday.

331261. Col. No. P-493. Seed purple. Mixed with *Lolium temulentum*.

331262. Col. No. P-494. Mixed with *Avena sativa* and *Lolium temulentum*.

331263. Col. No. P-496. Mixed with *Avena sativa* and *Lolium temulentum*.

331264. Col. No. P-499. Mixed.

331265. TRITICUM SPELTA L.**Spelt.**

Col. No. 425-B. Boditti, 40 km. west of Shasamane, Shoa Province.

331266. ERAGROSTIS TEF (Zuccagni) Trotter Gramineae. Teff.

From Brazil. Plant collected by W. R. Langford and R. A. Hammons, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Obtained from Institute of Botany, Sao Paulo. Received July 3, 1968.

Originally from Africa. Ornamental plant used as border around walks.

331267 to 331339.

From Argentina. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Obtained from Instituto Nacional de Tecnologia Agropecuaria, Manfredi. Received July 5, 1968.

331267 to 331337. ARCHIS HYPOGAEA L. Leguminosae.

331267. Col. 80. Plot 604. Local name: Preto. Valencia. Testa black. Origin Brazil.

331268. Col. 101. 'Colorado Manfredi'. Valencia; common cultivar.

331269. Col. 102. Plot 3003. Mutation induced by irradiation. Plant small, compact; pods 3 segmented.

331270. Col. 103. Plot 3003. Mutation induced by irradiation. Plant small, compact; pods 3 segmented.

331271. Col. 106. Plot 3011. 'Colorado Manfredi' × 'Blanco Rio II' × 'Blanco Manfredi' × *A. monticola*. F₂ 1968.

331272. Col. 107. Plot 3011. F₂ 1968.

331273. Col. 108. Plot 3012. F₂ 1968.

331274. Col. 109. Plot 3012. Spreading Valencia.

331275. Col. 110. Plot 3013. Valencia. Pods 2 segmented. F₂ 1968.

331276. Col. 111. Plot 3014. Valencia.

331277. Col. 112. Plot 3014. Valencia. F₂ 1968.

331278. Col. 113. Plot 3015. Valencia. F₂ 1968.

331279. Col. 114. Plot 3016. F₂ 1968. One parent resistant to leaf spot.

331267 to 331339—Continued

331267 to 331337—Continued

331280. Col. 115. Plot 3016. Valencia. F₂ 1968.
331281. Col. 116. Plot 3017. Valencia. F₂ 1968.
331282. Col. 117. Plot 3018. Valencia. F₂.
331283. Col. 118. Plot 3019. Valencia.
331284. Col. 119. Plot 3020. Valencia. Stems purple. F₂ 1968.
331285. Col. 120. Plot 3020. Valencia.
331286. Col. 121. Plot 3021. F₂. For testa inheritance study.
331287. Col. 122. Plot 3021. F₂. For testa inheritance study.
331288. Col. 123. Plot 3022. F₂. For testa inheritance study.
331289. Col. 124. Plot 3025. Valencia. F₂. For testa inheritance study.
331290. Col. 125. Plot 3026. Valencia. F₂. For testa inheritance study.
331291. Col. 126. Plot 3026. F₂. Possibly tolerant to *Cercospora*.
331292. Col. 127. Plot 3027. Valencia hybrid. Tolerant to *Cercospora*.
331293. Col. 128. Plot 3027. Valencia-Virginia. F₂. Tolerant to *Cercospora*.
331294. Col. 129. Plot 3028. 'Colorado Manfredi' × 'Colorado Largo' × 'Virginia Bunch'). Virginia spreading-Valencia.
331295. Col. 130. Plot 3028. Virginia spreading-Valencia. F₂ 1968.
331296. Col. 131. Plot 3030. Virginia spreading. F₂.
331297. Col. 132. Plot 3030. Virginia bunch. Leafy; branches many; testa red. F₂.
331298. Col. 133. 'Manfredi Colorado' × Ga. 170-11-6-1. Bunch, short top; pods many. F₂ 1968.
331299. Col. 134. Plot 3047. Spanish-Valencia. F₂ 1968.
331300. Col. 135. Plot 3058. Virginia bunch. Pods small; branches many. F₁ intervarietal-interspecific hybrid.
331301. Col. 136. Selection from Cruceno. Valencia bunch. Testa red. Tolerant to *Cercospora*. Origin Bolivia.
331302. Col. 137. Plot 3060. Interspecific hybrid involving *A. monticola*. F₁ 1968.
331303. Col. 138. Plot 3067. Valencia-Virginia bunch from interspecific hybrid involving *A. monticola*. F₁ 1968.
331304. Col. 139. Plot 3075. Valencia-Virginia bunch from interspecific hybrid involving *A. monticola*. Pods larger than P.I. 331303. F₁ 1968.
331305. Col. 140. Plot 3098. Valencia-Virginia from interspecific cross involving *A. monticola*. F₁ 1968.
331306. Col. 141. Plot 3117. Valencia. From interspecific cross involving *A. monticola*. F₁ 1968.
331307. Col. 142. Plot 3143. Valencia bunch. Leafy; pods 3 segmented. Cross involving 'Overo' as one parent. F₁ 1968.
331308. Col. 143. Plot 3150. Valencia. Cross involving *Cercospora* tolerant germ plasm 'Overo'. F₁ 1968.
331309. Col. 144. Plot 3161. Valencia rummer. *A. monticola* in pedigree. F₁ 1968.

331267 to 331339—Continued

331267 to 331337—Continued

331310. Col. 145. Plot 3156. Valencia runner. Cross involving *Cercospera* tolerant germ plasm 'Overo'. F₁ 1968.
331311. Col. 146. Plot 3192. Valencia bunch. Testa maroon. From cross involving flesh, purple and red testa parents. F₁ 1968.
331312. Col. 147. Plot 3198. Valencia spreading. Testa purple; pods 3 to 4 segmented. For testa inheritance study.
331313. Col. 148. Plot 3203. 'Colorado Manfredi' × ('Blanco Rio II' × 'Veteado de Peru'). Valencia. Testa flesh with purple streaks. F₁ 1968.
331314. Col. 149. Plot 3279. Selection from 'Colorado Manfredi' × NC 335-2-2. Virginia bunch. Pods small. Tolerant to *Cercospora*. F₁ 1968.
331315. Col. 150. Plot 3300. 'Manfredi 68' × ('Blanco Rio II' × 'Veteado de Peru'). Virginia-Valencia bunch. Testa purple-streaked; pods 2 to 3 segmented. Tolerant to *Cercospora*. F₁ 1968.
331316. Col. 151. Plot 213. Local designation L.E. 39. Spanish bunch. Leafspots larger than normal. Seeds from 2 plants.
331317. Col. 152. Plot 232. 'Mac Span'. Spanish. Originally from Texas.
331318. Col. 153. Plot 233. Local designation Mf 44-S-14. Spanish. Manfredi selection from 'Mac Span' variety.
331319. Col. 154. Plot 234. 'Mac Span'. Spanish. Pods large. Probably from Australia.
331320. Col. 155. Plot 318. Spanish bunch. Testa white; medium maturity.
331321. Col. 156. Plot 319. 'Blanco Tipo II'. Spanish bunch. Testa white.
331322. Col. 157. Plot 320. Spanish bunch. Testa white.
331323. Col. 158. Plot 454. 'Porto Alegre'. Valencia. Testa purple; stem green, not purple.
331324. Col. 159. Plot 461. 'Campina V-52'. Valencia. Testa purple. Origin Campinas.
331325. Col. 160. Plot 466. Valencia. Testa purple; stem green.
331326. Col. 161. Plot 563. Runner. Testa white; seed white.
331327. Col. 162. Plot 566. 'Colorado - Largo'. Virginia - Valencia. Testa red, clear. Seed from two plants. Origin Bolivia.
331328. Col. 163. Plot 569. 'Colorado Largo'. Virginia runner. Testa red; leaves green. Medium late to late maturity. Origin Bolivia.
331329. Col. 164. Plot 577. 'Coripata'. Virginia runner-Valencia. Leaf spot tolerant. Origin Bolivia.
331330. Col. 165. Plot 580. 'Overo'. Virginia. Testa variegated, white on red. Tolerant to leaf spot. Origin Bolivia.
331331. Col. 166. Plot 583. 'Overo'. Virginia-Valencia. Testa red. Tolerant to leaf spot. Origin Bolivia.
331332. Col. 167. Plot 586. 'Overo'. Virginia runner. Testa red; pods medium size. Tolerant to leaf spot. Origin Bolivia.
331333. Col. 168. Plot 588. Virginia runner. Prostrate, testa deep red. Tolerant to leaf spot. Origin Bolivia.

331267 to 331339—Continued**331267 to 331337—Continued**

331334. Col. 169. Plot 590. 'Criollo'. Prostrate; pods small; branches alternate; stem purple. Origin Bolivia.
331335. Col. 170. Plot 598. Extreme Valencia. Testa variegated, white with purple streaks; pods large. Origin Peru.
331336. Col. 171. Plot 615. 'Cuzco'. Prostrate; testa red. Origin Peru.
331337. Col. 172. Plot 628. Virginia. Prostrate. Tolerant to leaf leaf spot. Origin Bolivia.

331338 and 331339. ARACHIS MONTICOLA Krapovickas & Regoni

331338. Col. 104. Plot 3010. Prostrate, 3.5 m. diameter; pods 1 to 2 segmented; soil adheres. Isthmus between first and second segment of pod. Descended from original plant collected by Director Baez, Victor Regoni and A. Krapovickas in 1948.
331339. Col. 105. Plot 3010. Similar to P.I. 331338, but leaves larger; pods few. Plants less vigorous. *A. monticola* is highly variable in this nursery. Field nursery plot descended from original collection *A. monticola* by Regoni, Krapovickas and Baez in 1948.

331340 to 331360.

From Uganda. Seed collected by L. V. Peters, Crops Research Division, United States Department of Agriculture, Serere Experiment Station, Soroti. Received July 9, 1968.

331340. ACACIA sp. Leguminosae.
Col. P-212. Forty miles north of Moroto.
331341. ACACIA sp.
Col. P-213. Forty miles north of Moroto.
331342. ACACIA sp.
Col. P-216. One hundred five miles north of Mbale.
331343. ACACIA sp.
Col. P-217. Ninety-five miles north of Mbale.
331344. ACACIA sp.
Col. P-245. Thirty-five miles northwest of Attiak.
331345. CAJANUS CAJAN (L.) Millsp. Leguminosae. Pigeon-pea.
Col. P-219. Eighty miles north of Mbale.
331346. PANICUM MILIACEUM L. Gramineae. Proso millet.
Col. P-296. Mbarara market, north of Buganda.
331347. PANICUM sp.
Col. P-215. One hundred five miles north of Mbale.
- 331348 to 331353. PENNISETUM SPICATUM (L.) Willd. Gramineae. Pearl millet.
331348. Col. P-222. Mbale market.
331349. Col. P-233. Gulu market.
331350. Col. P-235. Thirty-two miles northeast of Gulu.
331351. Col. P-237. Kitgum market.
331352. Col. P-240. Attiak market.
331353. Col. P-279. Kampala market.

331340 to 331360—Continued

331354. *PENNISETUM* sp.

Col. P-232. Labora Experiment Station.

331355. *PENNISETUM* sp.

Col. P-281. Sixty-five miles northwest of Kampala.

331356 to 331358. *PHASEOLUS VULGARIS* L. Leguminosae. Common bean.

331356. Col. P-220. Forty-five miles north of Mbale.

331357. Col. P-274. Kitoba market.

331358. Col. P-275. Kitoba market.

331359. *VIGNA SINENSIS* (Torner) Savi Leguminosae. Common cowpea.

Col. P-276. Kitoba market.

331360. *ZEA MAYS* L. Gramineae.

Corn.

Col. P-310. Ten miles northwest of Kabale.

331361 to 331431.

From Ethiopia. Seed collected by B. M. Leese and L. V. Peters, United States Department of Agriculture, Corps Research Division, Beltsville, Md., and K. O. Rachie, Rockefeller Foundation, New York, N. Y. Received July 9, 1968.

331361. *ACACIA* sp. Leguminosae.

Col. P-80. Eighty km. south of Asmara, Eritrea Province.

331362. *ACACIA* sp.

Col. 106-B. Near Error, Shoa Province. Elevation 1,200 m. Pods lanceolate; seeds ovate and thickened.

331363. *ACACIA* sp.

Col. 107-B. Twenty km. west of Error, Shoa Province. Elevation 1,200 m. Shrub 6 m. high; leaves ovate to elongate, folded and flattened; seeds ovate and flattened.

331364. *ACACIA* sp.

Col. 108-B. Awash Valley, Shoa Province. Elevation 1,050 m. Similar to P.I. 331363; seeds round and flattened.

331365. *ACACIA* sp.

Col. 109-B. Twenty km. west of Error, Shoa Province. Elevation 1,200 m. Pods broadly lanceolate; seeds broadly ovate and flattened.

331366. *ACACIA* sp.

Col. 110-B. Near Bicket, north of the Almar Mountains, Shoa Province. Elevation 1,200 m. Tree; fruits profuse; leaves shedding.

331367. *ACACIA* sp.

Col. 139-B. Robi, Shoa Province. Elevation 1,500 m. Pods 2 by 10 to 12 cm.

331368. *ACACIA* sp. *sacida* *italica* (Sum 36)

Col. 169-B. Seventy-five km. south of Kembolcha, Wollo Province. Elevation 1,500 m. Pods 1 by 12 to 15 cm.

331369. *ACACIA* sp. *codia* *purpurea*. (Sum 39)

Col. 215-B. Bati, Wollo Province. Elevation 1,600 m. To 3.0 m. high; pods medium long; seed biconvex.

331361 to 331431—Continued

331370. ~~AGROPYRON sp. Gramineae.~~ *Festuca abyssinica* (Sum. 39)
Col. 386-B. Eleven km. east of Adaba, Bale Province. Elevation 3,500 m. Plant 0.4 m. high, leafy; leaves medium wide; good seed producer.
331371. ~~AGROPYRON sp.~~ *Festuca abyssinica*
Col. 379-B. Thirteen km. east of Adaba, Bale Province. Elevation 3,500 m. Mixed with *Bromus* and *Silene*.
331372. ASTRAGALUS sp. Leguminosae.
Col. 392-B. Fifteen km. east of Adaba, Bale Province. Elevation 3,500 m.
331373. AVENA sp. Gramineae.
Col. 115-B. Sixty km. west of Addis Ababa near Addis Alem, Shoa Province. Plants to 1.8 m. high.
331374. AVENA sp.
Col. R-333. One hundred km. south of Dejen, Gojjam Province.
331375. AVENA sp.
Col. 375-B. 'Sinara'. Seventy-four km. east of Shashamane, Shoa Province. Elevation 2,575 m.
331376. BRASSICA sp. Cruciferae.
Col. 292-B. 'Gomenzer'. Market in Asmara, Eritrea Province. Seed medium small, dark reddish brown.
331377. BRASSICA sp.
Col. 293-B. 'Gomenzer'. Market in Asmara, Eritrea Province. Seed medium large, reddish brown.
331378. BRASSICA sp.
Col. 666-B. Market in Bileda, Kaffa Province.
331379. BRIZA sp. Gramineae.
Col. 113-B. Along the valley road, 12 km. east of Mieso, Harrar Province. Secondary grass associated with *Panicum* and *Ficus*.
331380. CASSIA sp. Leguminosae.
Col. P-50. Forty-five km. north of Weldiya, Wollo Province. Elevation 1,800 m. Plant 0.3 m. high; browsed.
331381. CICER ARIETINUM L. Leguminosae. Chickpea.
Col. R-75. 'Shimbra'. Market in Debre Berhain, Shoa Province. Seed small, brown and black.
331382. CIRSIUM sp. Compositae.
Col. 390-B. Thirteen km. east of Adaba, Bale Province. Elevation 3,500 m. Ray flowers, spoon type, serrated.
331383. CUCUMIS sp. Cucurbitaceae.
Col. 322-B. One hundred twenty-one km. south of Asmara, Eritrea Province. Elevation 1,400 m. Fruit 8.0 by 10.0 cm.
331384. DIANTHUS sp. Caryophyllaceae.
Col. 385-B. Eleven km. east of Adaba, Bale Province. Elevation 3,500 m.
331385. ~~ECHINOCHLOA sp.~~ *Echinochloa* (Sum. 35) Gramineae.
Col. 105-B. North side of Ahmar Mountains near Ourso, Harrar Province. Dominant grass.

331361 to 331431—Continued

331386. ECHINOCHLOA sp.

Col. 161-B. Forty km. south of Kembolcha, Shoa Province.

331387. ECHINOCHLOA sp. *pyramidalis* (Sum 36)

Col. 335-B. One hundred seventy km. south of Asmara, near Axum, Eritrea Province. Elevation 1,900 m.

331388. ERAGROSTIS sp. Gramineae.

Col. R-165. Tessenei, Societe Imprese Africane. Glumes tan; large prolific spikelets with 30-40 florets, forming digits.

331389. ERAGROSTIS sp.

Col. R-232. One hundred thirty-four km. south of Axum, Tigre Province. Elevation 1,400 m.

331390. ERAGROSTIS sp. *Sperobolus africanus* (Sum 50)

Col. R-307. 'Tuf Tufol'. Six km. south of Debre Marcos, Gojjam Province. Elevation 2,500 m.

331391. ERAGROSTIS sp. *Sperobolus macranatus* (Sum 39)

Col. 323-B. One hundred twenty-one km. south of Asmara, Eritrea Province. Elevation 1,400 m. Plants 0.9 m. high.

331392. HYPARRHENIA sp. Gramineae. *anthistirioides* (A. Rich.) Stapf

Col. 30-B. Two hundred fifteen km. east of Nazareth, Shoa Province. Elevation 1,600 m.

331393. LEPIDIUM SATIVUM L. Cruciferae.

Garden cress.

Col. 673-B. Shebe market on the Monga road, Kaffa Province.

331394. LOLIUM TEMULENTUM L. Gramineae.

Darnel.

Col. 379-B. Adaba, Bale Province. Elevation 2,600 m. Glumes 5 times as long as lemma; caryopsis broadly ovate. Awns on lemma.

331395. LOTUS sp. Leguminosae. *brandiana* (Sum 31)

Col. 391-B. Fifteen km. east of Adaba, Bale Province. Elevation 3,500 m.

331396. LUPINUS sp. Leguminosae.

Col. 29-R. Pods to 10 cm. long; seed light tan, rugose and spotted.

331397. MISCANTHUS sp. Gramineae.

Col. 196-B. Forty km. south of Kembolcha, Wollo Province. Elevation 1,500 m. To 4 m. high; stems hollow; leaves bilateral; heads sterile.

331398. PANICUM sp. Gramineae.

Col. R-36. Tepi, Illubabor Province. Plant to 1.5 m. high; leaves to 2 cm. wide; juicy stem and midrib; panicle open, heavily seeded; seed covered by short glume, long lemma, slightly pigmented. Shatters. Distinct sweet odor.

331399. PANICUM sp. *maximum* (37)

Col. 112-B. Twelve km. east of Mieso along the valley road, Harrar Province. Plant 1.5 m. high, growing among *Ficus* trees.

331400. PANICUM sp. *maximum*

Col. 187-B. Sixty km. south of Kembolcha, Wollo Province. Elevation 1,500 m.

331401. PANICUM sp. *Echinochloa citrigrana* (Sum 39)

Col. R-238. One hundred forty km. south of Axum, Tigre Province. Elevation 1,400 m. Seed very large.

331361 to 331431—Continued

331402. *Panicum* sp.

Col. 711-B. Northwest of Jimma and north of Belelle along the Didessa River, Kaffa Province. Plants 1.2 m. high; growing with wild sorghum and *Hyparrhenia rufa*.

331403. *Panicum* sp.

Col. 769-B. Thirty km. west of Nekempt, Wollega Province.

331404. *Phalaris paradoxa* L. Gramineae. Hood canarygrass.

Col. 602-B. Forty km. south of Asella, Arussi Province. Elevation 2,500 m. To 0.9 m. high, very leafy. Growing in barley.

331405. *Phaseolus lunatus* L. Leguminosae. Lima bean.

Col. R-28. Maji, Kaffa Province. Mixed with *P. vulgaris* and *P. acutifolius*.

331406. *Phaseolus trilobatus* (L.) Schreb.

Col. P-17. Thirty km. north of Debre Sina, Shoa Province. Elevation 1,500 m. Twining legume climbing sorghum plants in cultivated field.

331407 to 331411. *Phaseolus vulgaris* L. Common bean.

331407. Col. R-19. 'Adanquari'. Bako, Gemu Gofa Province. Elevation 1,290 m. Mixed size and color.

331408. Col. 72-B. Market in Alamyia, Harrar Province. Elevation 1,900 m. Seed red.

331409. Col. 73-B. Market in Harrar, Harrar Province. Seed mostly white.

331410. Col. 366-B. Market 10 km. south of Awasa, Shoa Province. Seed mixed.

331411. Col. 426-B. Doditti, 40 km. west of Shashamane, Shoa Province. Seed mixed.

331412 to 331414. *Pisum sativum* L. Leguminosae. Pea.

331412. Col. R-21. 'Attar'. Bako, Gemu Gofa Province. Elevation 1,290 m. Seed mixed, greenish gray to tawny green.

331413. Col. R-44. Shewa Gimira, Kaffa Province. Seed medium small, light green to brown.

331414. Col. 795-B. Cara, near Shimbu Swamp, Wollega Province. Elevation 2,500 m. Seed eaten in immature stage.

331415. *Scabiosa* sp. Dipsacaceae.

Col. 380-B. Eleven km. east of Adaba, Bale Province. Elevation 3,500 m.

331416. *Setaria* sp. Gramineae.

Col. 116-B. Sixty km. west of Addis Ababa near Addis Alem, Shoa Province.

331417. *Setaria* sp.

Col. 147-B. Robi, Shoa Province. Roadside ditch. Elevation 1,200 m.

331418. *Stipa* sp. Gramineae.

Col. R-52. Gambela, Illubabor Province. Plants 1.8 m. high; panicle long, open; leaves 1.2 cm. wide.

331419. *Trifolium* sp. Leguminosae.

Col. R-315. In the Blue Nile Gorge, south of Dejen, Gojjam Province. Plant small, semiprostrate; flower reddish purple; pods two seeded; seed dark brown.

331361 to 331431—Continued

331420. TRIFOLIUM sp.

Col. 337-B. Near Axum, 170 km. south of Asmara, Tigre Province. Elevation 1,900 m. Plants 0.3 m. high; head similar to *T. hybridum*.

331421 and 331422. VICIA FABA L. Leguminosae. Broadbean.

331421. Col. R-20. 'Bakela'. Bako, Gemu Gofa Province. Seed medium large, tawny gray.

331422. Col. R-66. 'Bakala'. Market in Debra Berhan, Shoa Province. Seed small, greenish tan.

331423 to 331425. VIGNA SINENSIS (Torner) Savi Leguminosae. Common cowpea.

331423. Col. P-24. Thirty-two km. north of Debre Sina, Shoa Province. Seed 'Clay' or 'Iron' type.

331424. Col. R-35. Tepi, Illubabor Province. Pod 18 cm. long with 15 seed; seed clay color.

331425. Col. R-51. Gambela, Illubabor Province. Pods to 25 cm. long with 19 seed. Seed with black eyes and brown underlay.

331426. VIGNA sp.

Col. 294-B. 'Gwaya'. Market in Asmara, Eritrea Province. 'Seed medium, light reddish, tawny, black.

331427. VIGNA sp.

Col. 295-B. 'Gwaya'. Market in Asmara, Eritrea Province. Seed medium, creamy.

331428. Undetermined. Labiatae.

Col. 296-B. Market in Asmara, Eritrea Province.

331429. Undetermined. Compositae.

Col. 393-B. Fifteen km. east of Adaba, Bale Province. Elevation 3,500 m.

331430. Undetermined. Sapindaceae.

Col. 114-B. Twelve km. east of Mieso along the valley road, Harrar Province. Elevation 1,200 m. Shrub to 6 m. high with drought resistant habit.

331431. Undetermined. Compositae.

Col. 381-B. Eleven km. east of Adaba, Bale Province. Elevation 3,500 m. Flower lavender, very attractive, resembles English daisy.

331432 to 331436. ORYZA SATIVA L. Gramineae. Rice.

From Japan. Seed presented by the National Institute of Agricultural Sciences, Hiratsuka, Kanagawa. Received July 11, 1968.

331432. 'Ariake'. Var. 09-0012. 331435. 'Shiranui'. Var. 09-0011.

331433. 'Jukkoku'. Var. 92-1242. 331436. 'Zensho 26'. Var. 05-0022.

331434. 'Kokumasari'. Var. 09-0009.

331437 and 331438.

From Italy. Seed presented by Giardino Botanico e Coloniale di Palermo, Palermo. Received July 11, 1968.

331437. CYTISUS NIGRICANS L. Leguminosae. Spike broom.

331438. CYTISUS TRIFLORUS L'Herit.

331439 to 331459. ZEA MAYS L. Gramineae. Corn.

From Ethiopia. Seed collected by B. M. Leese, Crops Research Division, United States Department of Agriculture, Beltsville, Md., and K. O. Rachie, Rockefeller Foundation, New York, N. Y. Received July 11, 1968.

331439. Col. R-18. Local name Bakolo. Bako, Gemu Gofa Province. Elevation 1,290 m. Seed medium; white. Dent.

331440. Col. R-23. Local name Bakolo. Maji, Gemu Gofa Province. Elevation 2,130 m. Seed medium large; white to red. Dent.

331441. Col. R-33. Tepi, Kaffa Province. Ear 18 cm. long; 18 rows; seed yellow with some purple. Dent.

331442. Col. R-34. Tepi, Kaffa Province. Ear 18 cm. long; 14 rows; seed white with some purple. Flint.

331443. Col. R-40. Gori, Illubabor Province. Seed white. Flint.

331444. Col. R-43. Ghimeeria, Kaffa Province. Seed white. Dent.

331445. Col. R-46. Gilo River, near the Sudan border, Illubabor Province. Seed yellow. Flint.

331446. Col. R-50. Gambela, Illubabor Province. Elevation 540 m. Seed yellow—one percent each yellowish red and purple. Flint.

331447. Col. R-54. Bedele, 300 km. west of Addis Ababa, Illubabor Province. Ear 20 cm. long; 18 rows; seed medium small; white, five percent yellow. Dent.

331448. Col. R-55. Bedele, 300 km. west of Addis Ababa, Illubabor Province. Ear 15 cm. long; 16 rows; seed small. Cross pollinated.

331449. Col. R-57. Hosana, 200 km. south of Addis Ababa, Shoa Province. Elevation 1,950 m. Seed white. Dent. Mixed.

331450. Col. R-58. Hosana, 200 km. south of Addis Ababa, Shoa Province. Elevation 1,950 m. Seed white. Dent. Mixed.

331451. Col. 176-B. Local name Bokolo. Seventy km. south of Kembolcha, Shoa Province. Fourteen rows; seed white and yellow. Dent.

331452. Col. 281-B. Local name Bokolo. Market in Asmara, Eritrea Province. Seed medium; red. Dent.

331453. Col. 282-B. Local name Bokolo. Market in Asmara, Eritrea Province. Seed medium; white, some yellow and red. Dent.

331454. Col. 283-B. Local name Bokolo. Market in Asmara, Eritrea Province. Seed white and yellow, some blue and red. Dent.

331455. Col. R-260. Market in Chuahe, Tigre Province. Seed white.

331456. Col. R-273. Market in Addis Zennen, Begemder Province. Seed white, red and blue.

331457. Col. R-301. One hundred ninety-seven km. south of Bahar Dar, Begemder Province. Elevation 1,950 m. Ear 20 cm. long; seed white, red and blue. Flint.

331458. Col. 406-B. Seventy km. west of Shashamane, Shoa Province. Elevation 1,800 m. Cob white; seed white. Flint.

331459. Col. 718-B. Local name Sedacha. Fifteen km. west of Asendabo toward the Gibi Gibi River (Shomi River), Kaffa Province. This material has been selected for three generations within the same family.

331460. GOSSYPIUM HIRSUTUM L. Malvaceae.

From Seychelles. Seed presented by Veevers-Carter, Astove. Received July 12, 1968.

331461 to 331658. ORYZA SATIVA L. Gramineae.**Rice.**

From the Philippines. Seed presented by the International Rice Research Institute, Manila. Received July 12, 1968.

331461. IR509-1-3-2-3. Chianung 242/2 x FF36.
 331462. IR509-1-15-3-2. Chianung 242/2 x FF36.
 331463. IR509-10-15-3-2. Chianung 242/2 x FF36.
 331464. IR510-10-2-1. FF36 x B583A1-4-2.
 331465. IR510-12-2-1. FF36 x B583A1-4-2.
 331466. IR510-15-2-3. FF36 x B583A1-4-2.
 331467. IR511-16-3-1. FF36 x (CP231 x Kh. 68).
 331468. IR498-1-31-1. [(CP-SLO)/2 x T(N)1] x Zenith.
 331469. IR498-1-78-1. [(CP-SLO)/2 x T(N)1] z Zenith.
 331470. IR498-1-116-3. [(CP-SLO)/2 x T(N)1] x Zenith.
 331471. IRA94-1-17-3. (Bluebelle/3 x T(N)1) x Zenith.
 331472. IR503-6-3-6. (Peta/3 x T(N)1) x (B589A4-18/2 x T(N)1).
 331473. IR503-1-45-1. (Peta/3 x T(N)1) x (B589A4-18/2 x T(N)1).
 331474. IR503-1-63-3. (Peta/3 x T(N)1) x (B589A4-18/2 x T(N)1).
 331475. IR503-1-91-3. (Peta/3 x T(N)1) x (B589A4-18/2 x T(N)1).
 331476. IR532-1-10-2. (Peta/3 x T(N)1) x TKM-6.
 331477. IR532-1-14-1. (Peta/3 x T(N)1) x TKM-6.
 331478. IR532-1-17-1. (Peta/3 x T(N)1) x TKM-6.
 331479. IR532-1-18-2. (Peta/3 x T(N)1) x TKM-6.
 331480. IR532-1-21-2. (Peta/3 x T(N)1) x TKM-6.
 331481. IR532-1-33-1. (Peta/3 x T(N)1) x TKM-6.
 331482. IR532-1-33-3. (Peta/3 x T(N)1) x TKM-6.
 331483. IR532-1-65-3. (Peta/3 x T(N)1) x TKM-6.
 331484. IR532-1-116-2. Peta/3 x T(N)1) x TKM-6.
 331485. IR532-1-128-3. (Peta/3 x T(N)1) x TKM-6.
 331486. IR532-1-141-2. (Peta/3 x T(N)1) x TKM-6.
 331487. IR532-1-155-1. (Peta/3 x T(N)1) x TKM-6.
 331488. IR532-1-177-2. (Peta/3 x T(N)1) x TKM-6.
 331489. IR532-1-223-1. (Peta/3 x T(N)1) x TKM-6.
 331490. IR506-53-4-1. IR8 x (B589A4-18/2 x T(N)1).
 331491. IR506-65-3-1. IR8 x (B589A4-18/2 x T(N)1).
 331492. IR506-67-6-3. IR8 x (B589A4-18/2 x T(N)1).
 331493. IR506-78-1-2. IR8 x (B589A4-18/2 x T(N)1).
 331494. IR506-101-6-2. IR8 x (B589A4-18/2 x T(N)1).
 331495. IR506-110-2-1. IR8 x (B589A4-18/2 x T(N)1).
 331496. IR506-1-47-2. IR8 x (B589A4-18/2 x T(N)1).
 331497. IR506-1-70-1. IR8 x (B589A4-18/2 x T(N)1).
 331498. IR506-1-89-2. IR8 x (B589A4-18/2 x T(N)1).
 331499. IR533-6-1-2. [(CP-SLO)/2 x Sigadis] x (Peta/3 x T(N)1).
 331500. IR533-6-62-3. [(CP-SLO)/2 x Sigadis] x (Peta/3 x T(N)1).

331461 to 331658—Continued

331501. IR533-8-2-3. [(CP-SLO)/2 x Sigadis] x (Peta/3 x T(N)1).
 331502. IR533-1-38-2. [CP-SLO)/2 x Sigadis] x (Peta/3 x T(N)1).
 331503. IR537-6-6-2. [(CP-SLO)/2 x 81B-25] x (Peta/3 x T(N)1).
 331504. IR547-54-1-2. T(N)1 x Dawn.
 331505. IR8 (68)-3 ck. Peta x Dgwg.
 331506. IR548-28-2-1. Belle Patna x T(N)1.
 331507. IR548-1-13-2. Belle Patna x T(N)1.
 331508. IR548-1-15-3. Belle Patna x T(N)1.
 331509. IR548-1-50-2. Belle Patna x T(N)1.
 331510. IR184-51-1-2-1-1-3. B581A6-545 x 81B-25.
 331511. IR117-21-2-1-1-1-2. B561A6-545 x BPI-76.
 331512. IR334-5-1-3-3-2-3. (CP-SLO)/2 x BPI-76.
 331513. IR334-20-1-2-1-3-3. (CP-SLO)/2 x BPI-76.
 331514. IR298-12-1-1-1-3-3. [BPI-76 x (CP-SLO) x Peta].
 331515. IR140-136-2-3-1-2. (CP231 x SLO-17) x Mas.
 331516. IR291-13-1-1-1-2-2. B589A4-18-1/2 x T(N)1.
 331517. IR151-P130-3-1. Dawn x T(N)1.
 331518. IR151-P134-2-3. Dawn x T(N)1.
 331519. IR151-P136-2-3. Dawn x T(N)1.
 331520. IR151-P190-3-3. Dawn x T(N)1.
 331521. IR151-P251-2-3. Dawn x T(N)1.
 331522. IR151-P276-2-2. Dawn x T(N)1.
 331523. IR224-16-1-3-3-2-1. (CP231 x SLO-17) x Dawn.
 331524. IR224-16-2-3-2-3-1. (CP231 x SLO-17) x Dawn.
 331525. IR224-20-3-2-1-2-2. (CP231 x SLO-17) x Dawn.
 331526. IR224-20-3-2-3-2-2. (CP231 x SLO-17) x Dawn.
 331527. IR280-6-6-1-1X3-2. CI9300 x Dawn.
 331528. IR178-118-3-1-2-3-2. Dawn x 81B-25.
 331529. IR271-10-2-1-1-2-3-2. Dawn/2 x Sigadis.
 331530. IR271-22-16-5-2-2-1. Dawn/2 x Sigadis.
 331531. IR409-1-8-2-2-2-2. Dawn/3 x Sigadis.
 331532. IR456-3-2-2-3-2. Dawn/2 x (CP-SLO).
 331533. IR456-15-6-1-2-2. Dawn/2 x (CP-SLO).
 331534. IR456-15-6-3-1-2. Dawn/2 x (CP-SLO).
 331535. IR626-1-119-3. IR8-288-3 x (Peta/5 x Belle Patna).
 331536. IR626-1-124-3. IR8-288-3 x (Peta/5 x Belle Patna).
 331537. IR626-1-157-1. IR8-288-3 x (Peta/5 x Belle Patna).
 331538. IR781-428. IR8/2 x [Yukara x T(N)1].
 331539. IR667-1-23-3. IR8 x [Yukara x T(N)1].
 331540. IR667-1-25-2. IR8 x [Yukara x T(N)1].
 331541. IR474-11-3. Sukanandi x T(N)1.
 331542. IR474-15-2. Sukanandi x T(N)1.

331461 to 331658—Continued

331543. IR474-25-1. Sukanandi x T(N)1.
 331544. IR474-30-2. Sukanandi x T(N)1.
 331545. IR474-81-2. Sukanandi x T(N)1.
 331546. IR279-25-2-9-1-2. B581A6-545/2 x (Bbt.50-Jojutla).
 331547. IR238-29-2-2-1-2-2. (CP231 x SLO 17) x Nahng Mon S-4.
 331548. IR293-6-2-1. (CP231 x SLO 17)/2 x 81B-25.
 331549. IR682Z23-2. [(CP231 x SLO 17) x BPI-76 x (CP-SLO) x Peta].
 331550. IR682-50-3. (CP231 x SLO 17) x [BPI-76 x (CP-SLO) x Peta].
 331551. IR478-99-3. (CP231 x SLO-17) x Sukanandi.
 331552. IR579-14-1. IR8 x Tadukan.
 331553. IR579-52-2. IR8 x Tadukan.
 331554. IR579-85-2. IR8 x Tadukan.
 331555. IR579-145. IR8 x Tadukan.
 331556. IR579-147. IR8 x Tadukan.
 331557. IR579-160. IR8 x Tadukan.
 331558. IR579-163. IR8 x Tadukan.
 331559. IR585-3-10-2-1. IR8 x (BPI-76 x T. 176).
 331560. IR586-19-1-2. IR8 x (BPI-76/2 x T. 172).
 331561. IR586-11-3. IR8 x (BPI-76/2 x T. 172).
 331562. IR586-48-1. IR8 x (BPI-76/2 x T. 172).
 331563. IR586-60-1. IR8 x (BPI-76/2 x T. 172).
 331564. IR586-65-2. IR8 x (PBI-76/2 x T. 172).
 331565. IR586-157-2. IR8 x (PBI-76/2 x T. 172).
 331566. IR593-17-3. IR8 x F3 1(CP231 x SLO 17) x N. Mon S-41.
 331567. IR665-79-2. IR8 x (Peta/5 x Belle Patna).
 331568. IR666-3-2. IR8 x Yukara.
 331569. IR667-53-3. IR8 x [Yukara x T(N)1].
 331570. IR667-65-1. IR8 x [Yukara x T(N)1].
 331571. IR667-70-3. IR8 x [Yukara x T(N)1].
 331572. IR667-80-2. IR8 x [Yukara x T(N)1].
 331573. IR667-81-1. IR8 x [Yukara x T(N)1].
 331574. IR667-89-2. IR8 x [Yukara x T(N)1].
 331575. IR667-110-3. IR8 x [Yukara x T(N)1].
 331576. IR667-137-3. IR8 x [Yukara x T(N)1].
 331577. IR667-145-2. IR8 x [Yukara x T(N)1].
 331578. IR329-23-1-3-3-2-1-3. Bluebelle/2 x L. Yai 34.
 331579. IR659-10-2-3. Bluebelle/6 x T(N)1.
 331580. IR659-10-7-2. Bluebelle/6 x T(N)1.
 331581. IR659-10-8-3. Bluebelle/6 x T(N)1.
 331582. IR659-10-10-3. Bluebelle/6 x T(N)1.
 331583. IR659-15-2-2. Bluebelle/6 x T(N)1.
 331584. IR659-15-5-1. Bluebelle/6 x T(N)1.

331461 to 331658—Continued

331585. IR665-2. IR8 x (Peta/5 x Belle Patna).
 331586. IR665-12. IR x (Peta/5 x Belle Patna).
 331587. IR781-144-1. IR8/2 x [Yukara x T(N)1].
 331588. IR781-152-1. IR8/2 x [Yukara x T(N)1].
 331589. IR781-169-2. IR8/2 x [Yukara x T(N)1].
 331590. IR781-194-1. IR8/2 x [Yukara x T(N)1].
 331591. IR781-197-2. IR8/2 x [Yukara x T(N)1].
 331592. IR708-B3-3. IR708-b3-3. Dawn/2 x [(CP231 x SLO-7) x T(N)1].
 331593. IR708-B3-4. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331594. IR708-B3-13. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331595. IR708-B3-21. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331596. IR708-B4-9. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331597. IR708-B4-10. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331598. IR708-B4-21. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331599. IR708-B4-22. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331600. IR708-B6-1. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331601. IR708-B6-4. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331602. IR708-B6-7. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331603. IR708-B6-14. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331604. IR708-B6-16. Dawn/2 x [(CP231 x SLO-17) x T(N)1].
 331605. IR583-2-2-2. IR8 x FF36.
 331606. IR583-10-1-1. IR8 x FF36.
 331607. IR583-10-1-2. IR8 x FF36.
 331608. IR583-13-3-1. IR8 x FF36.
 331609. IR583-14-1-2. IR8 x FF36.
 331610. IR583-14-3-2. IR8 x FF36.
 331611. IR583-23-1-1. IR8 x FF36.
 331612. IR583-25-1-3. IR8 x FF36.
 331613. IR583-39-2-1. IR8 x FF36.
 331614. IR583-40-1-3. IR8 x FF36.
 331615. IR583-40-2-1. IR8 x FF36.
 331616. IR583-40-2-2. IR8 x FF36.
 331617. IR8-288-3-14-4. Peta x Dgwg.
 331618. IR8-288-3-41-7. Peta x Dgwg.
 331619. IR8-288-3-41-11. Peta x Dgwg.
 331620. IR8-288-3-68-14. Peta x Dgwg.
 331621. IR8-288-3-71-6. Peta x Dgwg.
 331622. IR8-288-3-71-11. Peta x Dgwg.
 331623. IR8-288-3-71-12. Peta x Dgwg.
 331624. IR532E160-571. Peta/3 x TN1) x TKM-6.
 331625. IR532E210-685. (Peta/3 x TN1) x TKM-6.

331461 to 331658—Continued

331626. IR532E213-693. (Peta/3 x TN1) x TKM-6.
 331627. IR532E230-710. (Peta/3 x T(N)1) x TKM-6.
 331628. IR532S233-720. (Peta/3 x T(N)1) x TKM-6.
 331629. IR532E239-748. (Peta/3 x T(N)1) x TKM-6.
 331630. IR532E257-780. (Peta/3 x T(N)1) x TKM-6.
 331631. IR532E420-1183. (Peta/3 x T(N)1) x TKM-6.
 331632. IR532S423-1199. (Peta/3 x T(N)1) x TKM-6.
 331633. IR532E527-1528. (Peta/3 x T(N)1) x TKM-6.
 331634. IR532E576-1678. (Peta/3 x T(N)1) x TKM-6.
 331635. IR533-1-89. [(CP231 x SLO-17)/2 x Sigadis] x [Peto/3 x T(N)1].
 331636. IR533-1-88. [(CP231 x SLO-17)/2 x Sigadis] x [(Peta/3 x T(N)1)].
 331637. IR533-1-63. [(CP231 x SLO-17)/2 x Sigadis] x [Peta/3 x T(N)1].
 331638. [T(N)1 x Kt 20-73] F8.
 331639. Taichung Intermediate Trial.
 331640. IR140-136. (CP231 x SLO-17) x Mas.
 331641. IR111-26-10. (CP231 x SLO-17) x BPI-76.
 331642. IR180-43. (CP231 x SLO-17) x 81B-25.
 331643. IR293-6-1. (CP231 x SLO-17)/2 x 81B-25.
 331644. IR271-22-16-2. Dawn/2 x Sagadis.
 331645. Tokai Senbon x Basmati 370.
 331646. IR527-1-57. T(N)1 x ADT-27.
 331647. IR528-1-11. (Peta/3 x TN1) x ADT-27.
 331648. IR537-6-6. (CP-SLO/2 x 81B-25) x (Peta/3 x TN1).
 991649. Short Sigadis.
 331650. IR305-4-9-1-2. Sigadis/2 x TN1.
 331651. IR509-1-2-2. Ch. 242 x FF-36.
 331652. IR496-1-74-2. (CP-SLO/2 x TN1) x (KN1 x B5464).
 331653. R496-1-6. (CP-SLO/2 x TN1) x (KN1 x B5464).
 331654. IR502-1-28. (L. Yai 34 x TN1) x B583A1-4-2.
 331655. IR154-45-2-2-3-2. (CP-SLO) x TN1.
 331656. IR144-95-1-2-3-2. (CP-SLO) x TN1.
 331657. IR154-148-2-1-2. (CP-SLO) x TN1.
 331658. IR273-6-6-2-3. (CP-SLO)/2 x TN1.

331659. ~~DATURA METEL L.~~ Solanaceae ^{innoxia} Hindu datura. ^(sumi 4)

From France. Seed presented by Botanic Gardens, University of Montpellier, Montpellier. Received July 22, 1968.

331660. BAPHIA OBOVATA Schinz Leguminosae. 101777

From Zambia. Seed presented by J. Anton-Smith, Mount Makulu Research Station, Chilanga. Received July 22, 1968.

Tree, small. Flowers white; eye yellow; calyx pink. Grows in almost pure sand.

331661. SOLANUM NIGRUM L. Solanaceae. Black nightshade.

From Tanzania. Seed presented by P. A. H. Rijkebusch, Tanganyika Sisal Growers' Association, Sisal Research Station—Milingano, Ngomeni, Tanga. Numbered July 22, 1968.

Local name Mnavu. Market in Tanga.

331662 to 331703.

From Ethiopia. Seed collected by B. M. Leese and L. V. Peters, Crops Research Division, United States Department of Agriculture, Beltsville, Md., and K. O. Rachie, Rockefeller Foundation, New York, N. Y. Numbered July 22, 1968.

331662 to 331698. PENNISETUM SPICATUM (L.) Willd. Gramineae.

Pearl millet.

331662. Col. 33-B. Mieso, Harrar Province. Elevation 450 m. Bristles obscure.

331663. Col. 37-B. Fifteen km. north of Mieso, Harrar Province. Elevation 450 m. Seed steel gray.

331664. Col. 50-B. Market in Dire Dawa, Harrar Province. Fifteen km. west of Dire Dawa, Harrar Province, in the valley. Elevation 1,250 m.

331665. Col. 77-B. Heads medium, short in length, compact to very compact; seed medium, light slate gray.

331666. Col. 78-B. Heads medium large, semispindle shape, compact; seed medium, light slate gray.

331667. Col. 79-B. Head large, cylindrical, slightly tapered, semicom-
pact; seed medium, slate gray; bristles obscure.

331668. Col. 80-B. Head medium small, lanceolate, compact to very compact; seed medium to small, slate gray.

Hurso, 30 km. south of Dire Dawa, Harrar Province. Elevation 1,200 m.

331669. Col. 85-B. Heads medium long, cylindrical, tapered, very compact; seed medium, slate gray.

331670. Col. 86-B. Heads medium long, cylindrical, tapered, compact; seed medium, slate gray; bristles obscure.

331671. Col. 87-B. Heads spindle lanceolate; rachis bowed, compact; seed medium, slate gray.

331672. Col. 88-B. Heads medium, cylindrical lanceolate, compact; seed light gray.

331673. Col. 89-B. Heads medium large, semicomcompact, spindle lanceo-
late; seed medium, pearly gray; bristles obscure, short.

331674. Col. 90-B. Heads medium, cylindrical, very compact; seed con-
ical, slate gray; bristles obscure.

East of Mieso toward Afdem, Harrar Province. Elevation 1,400 m.

331675. Col. 96-B. Heads medium, spindle, semicomcompact; seed medium
small to medium large, light slate gray.

331676. Col. 97-B. Heads medium, spindle, compact; seed slate gray.

331677. Col. 98-B. Heads medium large, spindle, semicomcompact; seed
medium, slate gray, bristles very obscure.

331678. Col. 99-B. Heads medium small, cylindrical, semicomcompact; seed
medium, slate gray.

331679. Col. 100-B. Heads medium long, cylindrical, compact to very
compact; seed medium, slate gray.

Market in Asmara, Eritrea Province.

331662 to 331703—Continued**331662 to 331698—Continued**

331680. Col. 279-B. Local name Biltoob. Seed gray to yellowish.
331681. Col. 280-B. Seed light gray to yellowish. Sixty-two km. west of Asmara, Eritrea Province.
331682. Col. P-138. Bristled; seed yellow.
331683. Col. P-141. Bristles purple; glumes purple.
331684. Col. P-142. Bristles purple.
331685. Col. P-143. Local name Biltoob. Bristles short.
331686. Col. P-144. Local name Biltoob. Seed yellow.
331687. Col. P-145. Seed yellow. One hundred km. west of Asmara, Eritrea Province.
331688. Col. P-153. Local name Biltoob. Bristles purple.
331689. Col. P-154. Seed yellow. One hundred five km. west of Asmara, Eritrea Province.
331690. Col. P-161. Local name Biltoob. Seed yellow.
331691. Col. P-162. Seed yellow.
331692. Col. P-173. Local name Biltoob. One hundred twenty-six km. west of Asmara, Eritrea Province. Seed yellow.
331693. Col. P-180. Local name Biltoob. One hundred thirty km. west of Asmara, Eritrea Province. Heads large; seed yellow.
331694. Col. P-182. Local name Biltoob. One hundred thirty-one km. west of Asmara, Eritrea Province. Seed yellow.
331695. Col. P-184. Local name Biltoob. One hundred thirty-seven km. west of Asmara, Eritrea Province. Heads bristled. Market in Dire Dawa, Harrar Province. Local name Duku.
331696. Col. P-427. Seed gray.
331697. Col. P-434. Seed gray.
331698. Col. P-648. Local name Biltoob. Market in Asmara, Eritrea Province. Seed mixed yellow, gray and orange.

331699. PENNISETUM sp.

Col. R-226. Eighty-three km. south of Axum, Tigre Province. Plants 0.9 m. high; heads 8 cm. long.

331700. PENNISETUM sp.

Col. R-227. One hundred seven km. south of Axum, Tigre Province. Elevation 1,500 m. Heads 8 cm. long, purple.

331701. PENNISETUM sp.

Col. R-237. One hundred forty km. south of Axum, Tigre Province. Elevation 1,400 m.

331702. PENNISETUM sp.

Col. R-248. Two hundred km. south of Axum, Tigre Province. Elevation 1,450 m.

331703. PENNISETUM sp.

Col. 336-B. Near Axum, in Tigre Province, 170 km. south of Asmara. Elevation 1,900 m.

331704 to 331716.

From Ethiopia. Seed collected by L. V. Peters, Crops Research Division, United States Department of Agriculture, Serere Experiment Station, Soroti, Uganda. Received July 22, 1968.

331704 to 331716—Continued

331704. *HORDEUM VULGARE* L. Gramineae.

Col. P-608. Local name G'abs. Market in Lalibela, Wollo Province. Seed covered, light and dark. Probably mixed. Two and six row.

331705. *HORDEUM* sp.

Col. P-607. Local name G'abs. Market in Lalibela, Wollo Province. Seed covered, light and dark. Two row.

331706. *TRITICUM* sp. Gramineae.

Col. P-606. Local name Sindy. Market in Lalibela, Wollo Province. Seed mixed, white, some purple. Durum. Some *Lolium temulentum*.

331707 to 331716. *ZEA MAYS* L. Gramineae. Corn.

Local name Bokolo. Market in Dembidolo, Wollega Province. Elevation 1,560 m.

331707. Col. P-502. Seed mixed color.

331708. Col. P-505. Seed mixed color.

331709. Col. P-509. Seed mixed.

Local name Bokolo. Market in Gambela, Illubabor Province. Elevation 530 m.

331710. Col. P-576. Ear small, 13 cm. long; seed yellow, flint type; 14 rows.

331711. Col. P-577. Ear small, 13 cm. long; seed yellow, flint type; 14 rows.

331712. Col. P-578. Ear 13 cm. long; seed yellow, flint type; 14 rows.

331713. Col. P-579. Ear 15 cm. long; seed mixed yellow and white, flint type; 12 rows.

331714. Col. P-580. Ear 13 cm. long; seed light and dark purple, yellow and white; flint; 12 rows.

331715. Col. P-581. Ear 13 cm. long; seed purple, yellow and white, flint; 14 rows.

331716. Col. P-588. Seed mixed white, yellow and purple.

331717 to 331743. SORGHUM BICOLOR (L.) Moench Gramineae.

From Australia. Seed presented by Dekalb Shand Seed Company, Ltd., Sydney. All seed grown in registered Plant Quarantine Station, Armidale. Received July 22, 1968.

331717. Row T 77, plant 1. CK 60 ms2.

331718. Row T 77, plant 2. CK 60 ms2.

331719. Row T 77, plant 3. CK 60 ms2.

331720. Row T 77, plant 4. CK 60 ms2.

331721. Row Q 76, plant 1. Martin ms2.

331722. Row Q 76, plant 2. Martin ms2.

331723. Row Q 76, plant 3. Martin ms2.

331724. Row Q 76, plant 4. Martin ms2.

331725. Row R 76, plant 1. Martin ms1.

331726. Row R 76, plant 2. Martin ms1.

331727. Row R 76, plant 3. Martin ms1.

331728. Row R 76, plant 4. Martin ms1.

331717 to 331743—Continued

331729. Row S 76, plant 1. CK 60 ms1.
 331730. Row S 76, plant 2. CK 60 ms1.
 331731. Row S 76, plant 3. CK 60 ms1.
 331732. Row S 76, plant 4. CK 60 ms1.
 331733. Row T 66, bulk. CK 60 day st.
 331734. Row Q 76, plant 1. Martin day st.
 331735. Row Q 76, plant 2. Martin day st.
 331736. Row R 75, plant 1. CK 60 al.
 331737. Row R 75, plant 2. CK 60 al.
 331738. Row S 75, bulk. CK 60 al.
 331739. Row T 75, plant 1. Martin lg.
 331740. Row T 75, plant 2. Martin lg.
 331741. Row Q 74, plant 1. Martin lg.
 331742. Row Q 74, plant 2. Martin lg.
 331743. Row Q 74, plant 3. Martin lg.

**331744. ARAUCARIA ANGUSTIFOLIA (Bertol.) Kuntze Pinaceae.
 Brazilian araucaria.**

From Brazil. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton and Experiment, Ga. Received July 23, 1968.

Col. 399. 'Parana Pine'. Central Market at Porto Alegre, Rio Grande do Sul. Major timber tree in States of Parana and Santa Catarina. Seed edible.

331745. HIBISCUS sp. Malvaceae.

From Japan. Seed presented by Y. Tachibana, Botanical Garden of Osaka City University, Osaka. Received July 25, 1968.

Reported to flower 3 months after planting.

331746 to 331778.

From Portugal. Seed presented by Jardim e. Museu Agricola do Ultramar, Belem-Lisboa -3. Numbered July 29, 1968.

331746 to 331775. ARACHIS HYPOGAEA L. Leguminosae.

331746. No. 22a. 'Bombay'.
 331747. No. 22e. 'Cote d'Ivoire 236'.
 331748. No. 102. 'Jekolo CJ 24'.
 331749. No. 130. 'Lumbalada'.
 331750. No. 271. '267 M Valencia Loudima'.
 331751. No. 323. '174 A Virginia red'.
 331752. No. 375. 'Amendoim de Andaluzia, Espanha'.
 331753. No. 383. 'Virginia Bunch'.
 331754. No. 457. 'Cuba'.
 331755. No. 650. 'Gandayaka 1 403'.
 331756. No. 653. 'Nicaramadonga CJ 15'.
 331757. No. 656. 'Gandayaka 1'.
 331758. No. 661. 'Huxululu'.

331746 to 331778—Continued**331746 to 331775—Continued**

331759. No. 662. 'Jumbo'.
 331760. No. 663. 'Indigena de 3 graos 34/15'.
 331761. No. 666. 'Amendoim da Guine—Macedo Coelho'.
 331762. No. 669. 'Java 34/11'.
 331763. No. 671. 'Bamby 31-33'.
 331764. No. 673. 'Virginia Bunch 335 A'.
 331765. No. 679. 'Virginia Niangoloko'.
 331766. No. 681. 'Bamby 28-206-343 M'.
 331767. No. 690. 'Spanish Bunch'.
 331768. No. 691. 'Amendoim de Odeceixe, Algarve'.
 331769. No. 692. '305 A Rose de Loudima'.
 331770. No. 699. '304 A Rose de Loudima'.
 331771. No. 701. 'Rose de Loudima 20 Lignees'.
 331772. No. 709. 'Rustembourg'.
 331773. No. 711. 'Amendoim do Bie—Angola'.
 331774. No. 714. 'Amenloim de Ponta Delgada, S. Miquel, Acores'.
 331775. No. 914. 'Amendoim Vermelho'.

331776 to 331778. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

331776. No. 588. 'K 871'.
 331777. No. 596. 'Verona'.
 331778. No. 606. 'Sanguinea'.

331779 to 331789. EUCHLAENA MEXICANA Schrad. Gramineae. Teosinte.

From Mexico. Seed presented by the International Maize and Wheat Improvement Center, Londres 40, Mexico 6, D. F.

Numbered July 29, 1968.

331779. Col. K-65-2. Miraflores, Mexico State. Chalco-Amecameca region. Elevation 2,280 m.
 331780. Col. K-67-1. Temamatla, Mexico State. Chalco-Amecameca region. Elevation 2,250 m.
 331781. Col. K-67-2. Juchitepec, Mexico State. Chalco-Amecameca region. Elevation 2,470 m.
 331782. Col. K-67-3. Tepetlixpa, Mexico State. Chalco-Amecameca region. Elevation 2,320 m.
 331783. Col. K-67-8. Guerrero State. Iguala-Teloloapan region. Elevation 1,570 m.
 331784. Col. K-67-12. Guerrero State. Teloloapan-Arcelia region. Elevation 1,130 m.
 331785. Col. K-67-13. Michoacan State. Huetamo-Tiquicheo region. Elevation 800 m.
 331786. Col. K-67-17. Luvianos, Mexico State. Toluca-Tejupilco region. Elevation 1,390 m.
 331787. Col. K-67-20. Mexico State. Valle de Bravo-Tingambato region. Elevation 1,110 m.
 331788. Col. K-67-22. Michoacan State. Tingambato-Tuzantla region. Elevation 950 m.

331779 to 331789—Continued

331789. Col. K-67-25. Michoacan State. Zitacuaro-Tuzantla region.
Elevation 1,235 m.

331790 to 331792.

From Argentina. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Numbered July 31, 1968.

331790. BRACHIARIA ~~sp.~~ Gramineae. *plantaginea* (Sonn. 48)

Col. 604. Instituto Nacional de Tecnologia Agropecuaria Experiment Station, El Sombbrero, Corrientes Province.

331791. ELEUSINE TRISTACHYA Lam. Gramineae.

Col. 607. On Route 725 at San Javier, Santa Fe Province. Bunchgrass to 25 cm high.

331792. RHYNCHOSIA sp. Leguminosae.

Col. 609. Near city of General Paz, Corrientes Province.

331793 to 331795. GLYCINE MAX (L.) Merr. Leguminosae.
Soybean.

From Viet-Nam. Seed presented by Shin Han Kwon, Food and Agriculture Organization, United Nations, Saigon. Numbered July 31, 1968.

331793. 'Dia-Phyng'. Seed small, yellow, nearly round.

331794. Unknown line. Seed medium, yellow, brown hilum.

331795. Unknown line. Seed small, yellow, hilum dark brown.

331796. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Italy. Seed presented by Plant Production and Protection Division, Food and Agriculture Organization, Rome. Numbered July 31, 1968.

'Sembel 2' (FAO 25.2 8). Originated with Department of Agriculture, Asmara, Ethiopia.

331797 and 331798. LEUCAENA LEUCOCEPHALA (Lam.) De Wit
Leguminosae. Leadtree.

From Australia. Seed presented by Department of Primary Industries, Agriculture Branch, William Street, Brisbane. Numbered July 31, 1968.

331797. 'El Salvador'.

331798. 'Peruvian'.

331799. PRUNUS PERSICA (L.) Batsch Rosaceae. Peach.

From the United States. Scions grown at College of Agriculture, University of Georgia, Athens, Georgia. Originally from Tanga, Tanzania. Numbered July 31, 1968.

331800 to 333282.

From Israel. Seed presented by Faculty of Agriculture, Hebrew University of Jerusalem, Rehovot, under Public Law 480 Project A10-CR-1. Numbered August 1968.

331800 to 332307. HORDEUM VULGARE L. Gramineae.

Accession numbers assigned to original seed by the Institut f. Kulturpflanzenforschung der Deutschen Akademie der Wissenschaften zu Berlin, Systematische Abteilung, Gatersleben, Germany.

331800. 42/58

331802. 138/60

331801. 110/57

331803. 142/58

331800 to 333282—Continued**331800 to 332307—Continued**

331804.	200/57	331845.	980/59
331805.	236/61	331846.	983/59
331806.	268/61	331847.	987/59
331807.	301/61	331848.	988/61
331808.	325/61	331849.	991/61
331809.	373/61	331850.	1136/59
331810.	381/61	331851.	1227/58
331811.	419/61	331852.	1265/61
331812.	721/61	331853.	1283/60
331813.	724/61	331854.	1286/57
331814.	728/60	331855.	1300/59
331815.	741/59	331856.	1303/61
331816.	757/61	331857.	1308/57
331817.	764/61	331858.	1310/61
331818.	770/61	331859.	1424/58
331819.	771/61	331860.	1447/58
331820.	788/61	331861.	1451/58
331821.	791/58	331862.	1454/58
331822.	802/60	331863.	1462/58
331823.	802/61	331864.	1468/58
331824.	803/61	331865.	1475/58
331825.	805/60	331866.	1476/58
331826.	805/61	331867.	1504/58
331827.	808/61	331868.	1512/58
331828.	810/60	331869.	1515/58
331829.	811/61	331870.	1558/58
331830.	812/61	331871.	1575/58
331831.	823/61	331872.	1581/58
331832.	833/58	331873.	1595/58
331833.	835/61	331874.	1599/58
331834.	836/61	331875.	1611/58
331835.	841/58	331876.	1622/58
331836.	848/59	331877.	1633/58
331837.	850/61	331878.	1668/60
331838.	852/60	331879.	1677/58
331839.	857/61	331880.	1688/59
331840.	872/57	331881.	1690/61
331841.	874/59	331882.	1730/58
331842.	880/61	331883.	1739/59
331843.	885/61	331884.	1806/61
331844.	962/58	331885.	1814/60

331800 to 333282—Continued**331800 to 332307—Continued**

331886.	1823/60	331927.	2102/58
331887.	1825/60	331928.	2110/58
331888.	1829/60	331929.	2112/58
331889.	1833/61	331930.	2115/58
331890.	1835/60	331931.	2118/58
331891.	1838/62	331932.	2121/58
331892.	1839/60	331933.	2122/58
331893.	1841/60	331934.	2129/58
331894.	1847/61	331935.	2137/58
331895.	1850/60	331936.	2147/58
331896.	1852/61	331937.	2150/58
331897.	1854/60	331938.	2154/58
331898.	1855/61	331939.	2157/58
331899.	1856/60	331940.	2169/58
331900.	1858/60	331941.	2171/58
331901.	1859/60	331942.	2174/58
331902.	1860/61	331943.	2196/58
331903.	1861/60	331944.	2210/58
331904.	1884/60	331945.	2278/61
331905.	1927/61	331946.	2291/58
331906.	1938/61	331947.	2362/58
331907.	1946/60	331948.	2375/58
331908.	1968/60	331949.	2376/58
331909.	1981/60	331950.	2377/58
331910.	1990/60	331951.	2396/59
331911.	1991/60	331952.	2403/56
331912.	2003/60	331953.	2421/58
331913.	2005/61	331954.	2435/58
331914.	2006/60	331955.	2463/60
331915.	2010/61	331956.	2466/60
331916.	2012/60	331957.	2623/58
331917.	2022/60	331958.	2974/58
331918.	2027/60	331959.	2976/60
331919.	2057/58	331960.	398/59
331920.	2064/58	331961.	984/60
331921.	2070/59	331962.	987/59
331922.	2073/58	331963.	991/61
331923.	2075/58	331964.	1023/59
331924.	2082/58	331965.	1106/58
331925.	2085/58	331966.	1117/59
331926.	2097/58	331967.	1272/61

331800 to 333282—Continued

331800 to 332307—Continued

331968.	1332/58	332009.	67-92-2
331969.	1339/58	332010.	67-92-3
331970.	1361/59	332011.	66-92-4
331971.	1665/59	332012.	67-92-5
331972.	1667/59	332013.	67-92-6
331973.	2299/58	332014.	67-92-7
331974.	2360/60	332015.	67-92-8
331975.	2467/59	332016.	67-92-9
331976.	3215/58	332017.	67-93-1
331977.	W Hor 304/61	332018.	67-93-2
331978.	W Hor 308/60	332019.	67-93-3
331979.	W Hor 800/61	332020.	67-93-4
331980.	W Hor 2267/60	332021.	67-93-5
331981.	A.S 142/60	332022.	67-93-6
331982.	67-3-2	332023.	67-93-8
331983.	67-3-3	332024.	67-93-9
331984.	67-4-1	332025.	67-93-10
331985.	67-5-2	332026.	67-96-1
331986.	67-7-1	332027.	67-96-3
331987.	67-8-7	332028.	67-96-4
331988.	67-10-2	332029.	67-96-5
331989.	67-28-1	332030.	67-96-6
331990.	67-28-2	332031.	67-96-10
331991.	67-28-3	332032.	67-97-1
331992.	67-28-4	332033.	67-97-12
331993.	67-28-5	332034.	67-98-1
331994.	67-28-6	332035.	67-99-1
331995.	67-45-1	332036.	67-100-1
331996.	67-46-2	332037.	67-103-1
331997.	67-47-1	332038.	67-103-2
331998.	67-47-2	332039.	67-104-1
331999.	67-47-3	332040.	67-104-2
332000.	67-47-8	332041.	67-104-3
332001.	67-48-1	332042.	67-104-4
332002.	67-48-2	332043.	67-104-5
332003.	67-56-1	332044.	67-104-6
332004.	67-89-1	332045.	67-104-7
332005.	67-89-2	332046.	67-104-8
332006.	67-89-3	332047.	67-104-9
332007.	67-91-1	332048.	67-105-1
332008.	67-92-1	332049.	67-105-2

331800 to 333282—Continued**331800 to 332307—Continued**

332050. 67-105-3
332051. 67-105-4
332052. 67-105-5
332053. 67-105-6
332054. 67-105-7
332055. 67-105-10
332056. 67-105-11
332057. 67-105-12
332058. 67-106-1
332059. 67-106-2
332060. 67-106-3
332061. 67-106-4
332062. 67-106-5
332063. 67-106-7
332064. 67-106-8
332065. 67-106-9
332066. 67-106-11
332067. 67-107-1
332068. 67-107-2
332069. 67-107-3
332070. 67-107-4
332071. 67-107-5
332072. 67-107-6
332073. 67-107-7
332074. 67-107-8
332075. 67-107-9
332076. 67-107-10
332077. 67-107-11
332078. 67-108-2
332079. 67-108-4
332080. 67-108-5
332081. 67-109-1
332082. 67-109-1
332083. 67-110-2
332084. 67-111-2
332085. 67-111-3
332086. 67-111-5
332087. 67-111-6
332088. 67-111-7
332089. 67-111-10
332090. 67-111-11

332091. 67-111-12
332092. 67-112-1
332093. 67-112-2
332094. 67-112-3
332095. 67-112-4
332096. 67-112-5
332097. 67-112-6
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332644.	67-446-337	332685.	67-446-378
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332794.	67-447-100	332835.	67-447-141
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332796.	67-447-102	332837.	67-447-143
332797.	67-447-103	332838.	67-447-144
332798.	67-447-104	332839.	67-447-145
332799.	67-447-105	332840.	67-447-146
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332806.	67-447-112	332847.	67-447-153
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332808.	67-447-114	332849.	67-447-155
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332810.	67-447-116	332851.	67-447-157
332811.	67-447-117	332852.	67-447-158
332812.	67-447-118	332853.	67-447-159
332813.	67-447-119	332854.	67-447-160
332814.	67-447-120	332855.	67-447-161
332815.	67-447-121	332856.	67-447-162
332816.	67-447-122	332857.	67-447-163
332817.	67-447-123	332858.	67-447-164
332818.	67-447-124	332859.	67-447-165
332819.	67-447-125	332860.	67-447-166
332820.	67-447-126	332861.	67-447-167
332821.	67-447-127	332862.	67-447-168
332822.	67-447-128	332863.	67-447-169
332823.	67-447-129	332864.	67-447-170
332824.	67-447-130	332865.	67-447-171
332825.	67-447-131	332866.	67-447-172
332826.	67-447-132	332867.	67-447-173

331800 to 333282—Continued**332308 to 333239—Continued**

332868.	67-447-174	332909.	67-447-215
332869.	67-447-175	332910.	67-447-216
332870.	67-447-176	332911.	67-447-217
332871.	67-447-177	332912.	67-447-218
332872.	67-447-178	332913.	67-447-219
332873.	67-447-179	332914.	67-447-220
332874.	67-447-180	332915.	67-447-221
332875.	67-447-181	332916.	67-447-222
332876.	67-447-182	332917.	67-447-223
332877.	67-447-183	332918.	67-447-224
332878.	67-447-184	332919.	67-447-225
332879.	67-447-185	332920.	67-447-226
332880.	67-447-186	332921.	67-447-227
332881.	67-447-187	332922.	67-447-228
332882.	67-447-188	332923.	67-447-229
332883.	67-447-189	332924.	67-447-230
332884.	67-447-190	332925.	67-448-1
332885.	67-447-191	332926.	67-448-2
332886.	67-447-192	332927.	67-448-3
332887.	67-447-193	332928.	67-448-4
332888.	67-447-194	332929.	67-448-5
332889.	67-447-195	332930.	67-448-6
332890.	67-447-196	332931.	67-448-7
332891.	67-447-197	332932.	67-448-8
332892.	67-447-198	332933.	67-448-9
332893.	67-447-199	332934.	67-448-10
332894.	67-447-200	332935.	67-448-11
332895.	67-447-201	332936.	67-448-12
332896.	67-447-202	332937.	67-448-13
332897.	67-447-203	332938.	67-448-14
332898.	67-447-204	332939.	67-448-15
332899.	67-447-205	332940.	67-448-16
332900.	67-447-206	332941.	67-448-17
332901.	67-447-207	332942.	67-448-18
332902.	67-447-208	332943.	67-448-19
332903.	67-447-209	332944.	67-448-20
332904.	67-447-210	332945.	67-448-21
332905.	67-447-211	332946.	67-448-22
332906.	67-447-212	332947.	67-448-23
332907.	67-447-213	332948.	67-448-24
332908.	67-447-214	332949.	67-448-25

331800 to 333282—Continued**332308 to 333239—Continued**

332950.	67-448-26	332991.	67-448-67
332951.	67-448-27	332992.	67-448-68
332952.	67-448-28	332993.	67-448-69
332953.	67-448-29	332994.	67-448-70
332954.	67-448-30	332995.	67-448-71
332955.	67-448-31	332996.	67-448-72
332956.	67-448-32	332997.	67-448-73
332957.	67-448-33	332998.	67-448-74
332958.	67-448-34	332999.	67-448-75
332959.	67-448-35	333000.	67-448-76
332960.	67-448-36	333001.	67-448-77
332961.	67-448-37	333002.	67-448-78
332962.	67-448-38	333003.	67-448-79
332963.	67-448-39	333004.	67-448-80
332964.	67-448-40	333005.	67-448-81
332965.	67-448-41	333006.	67-448-82
332966.	67-448-42	333007.	67-448-83
332967.	67-448-43	333008.	67-448-84
332968.	67-448-44	333009.	67-448-85
332969.	67-448-45	333010.	67-448-86
332970.	67-448-46	333011.	67-448-87
332971.	67-448-47	333012.	67-448-88
332972.	67-448-48	333013.	67-448-89
332973.	67-448-49	333014.	67-448-90
332974.	67-448-50	333015.	67-448-91
332975.	67-448-51	333016.	67-448-92
332976.	67-448-52	333017.	67-448-93
332977.	67-448-53	333018.	67-448-94
332978.	67-448-54	333019.	67-448-95
332979.	67-448-55	333020.	67-448-96
332980.	67-448-56	333021.	67-448-97
332981.	67-448-57	333022.	67-448-98
332982.	67-448-58	333023.	67-448-99
332983.	67-448-59	333024.	67-448-100
332984.	67-448-60	333025.	67-448-101
332985.	67-448-61	333026.	67-448-102
332986.	67-448-62	333027.	67-448-103
332987.	67-448-63	333028.	67-448-104
332988.	67-448-64	333029.	67-448-105
332989.	67-448-65	333030.	67-448-106
332990.	67-448-66	333031.	67-448-107

331800 to 333282—Continued**332308 to 333239—Continued**

333032.	67-448-108	333073.	67-448-149
333033.	67-448-109	333074.	67-448-150
333034.	67-448-110	333075.	67-448-151
333035.	67-448-111	333076.	67-448-152
333036.	67-448-112	333077.	67-448-153
333037.	67-448-113	333078.	67-448-154
333038.	67-448-114	333079.	67-448-155
333039.	67-448-115	333080.	67-448-156
333040.	67-448-116	333081.	67-448-157
333041.	67-448-117	333082.	67-448-158
333042.	67-448-118	333083.	67-448-159
333043.	67-448-119	333084.	67-448-160
333044.	67-448-120	333085.	67-448-161
333045.	67-448-121	333086.	67-448-162
333046.	67-448-122	333087.	67-448-163
333047.	67-448-123	333088.	67-448-164
333048.	67-448-124	333089.	67-448-165
333049.	67-448-125	333090.	67-448-166
333050.	67-448-126	333091.	67-448-167
333051.	67-448-127	333092.	67-448-168
333052.	67-448-128	333093.	67-448-169
333053.	67-448-129	333094.	67-448-170
333054.	67-448-130	333095.	67-448-171
333055.	67-448-131	333096.	67-448-172
333056.	67-448-132	333097.	67-448-173
333057.	67-448-133	333098.	67-448-174
333058.	67-448-134	333099.	67-448-175
333059.	67-448-135	333100.	67-448-176
333060.	67-448-136	333101.	67-448-177
333061.	67-448-137	333102.	67-448-178
333062.	67-448-138	333103.	67-448-179
333063.	67-448-139	333104.	67-448-180
333064.	67-448-140	333105.	67-448-181
333065.	67-448-141	333106.	67-448-182
333066.	67-448-142	333107.	67-448-183
333067.	67-448-143	333108.	67-448-184
333068.	67-448-144	333109.	67-448-185
333069.	67-448-145	333110.	67-448-186
333070.	67-448-146	333111.	67-448-187
333071.	67-448-147	333112.	67-448-188
333072.	67-448-148	333113.	67-448-189

331800 to 333282—Continued**332308 to 333239—Continued**

333114. 67-448-190
333115. 67-448-191
333116. 67-448-192
333117. 67-448-193
333118. 67-448-194
333119. 67-448-195
333120. 67-448-196
333121. 67-448-197
333122. 67-448-198
333123. 67-448-199
333124. 67-448-200
333125. 67-448-201
333126. 67-448-202
333127. 67-448-203
333128. 67-448-204
333129. 67-448-205
333130. 67-448-206
333131. 67-448-207
333132. 67-448-208
333133. 67-448-209
333134. 67-448-210
333135. 67-448-211
333136. 67-448-212
333137. 67-448-213
333138. 67-448-214
333139. 67-448-215
333140. 67-448-216
333141. 67-449-1
333142. 67-449-2
333143. 67-449-3
333144. 67-449-4
333145. 67-449-5
333146. 67-449-6
333147. 67-449-7
333148. 67-449-8
333149. 67-449-9
333150. 67-449-10
333151. 67-449-11
333152. 67-449-12
333153. 67-449-13
333154. 67-449-14

333155. 67-449-15
333156. 67-449-16
333157. 67-449-17
333158. 67-449-18
333159. 67-449-19
333160. 67-449-20
333161. 67-449-21
333162. 67-449-22
333163. 67-449-23
333164. 67-449-24
333165. 67-449-25
333166. 67-449-26
333167. 67-449-27
333168. 67-449-28
333169. 67-449-29
333170. 67-449-30
333171. 67-449-31
333172. 67-449-32
333173. 67-449-33
333174. 67-449-34
333175. 67-449-35
333176. 67-449-36
333177. 67-449-37
333178. 67-449-38
333179. 67-449-39
333180. 67-449-40
333181. 67-449-41
333182. 67-449-42
333183. 67-449-43
333184. 67-449-44
333185. 67-449-45
333186. 67-449-46
333187. 67-449-47
333188. 67-449-48
333189. 67-449-49
333190. 67-449-50
333191. 67-449-51
333192. 67-449-52
333193. 67-449-53
333194. 67-449-54
333195. 67-449-55

331800 to 333282—Continued

332308 to 333239—Continued

333196.	67-449-56	333218.	67-449-78
333197.	67-449-57	333219.	67-449-79
333198.	67-449-58	333220.	67-449-80
333199.	67-449-59	333221.	67-449-81
333200.	67-449-60	333222.	67-449-82
333201.	67-449-61	333223.	67-449-83
333202.	67-449-62	333224.	67-449-84
333203.	67-449-63	333225.	67-449-85
333204.	67-449-64	333226.	67-449-86
333205.	67-449-65	333227.	67-449-87
333206.	67-449-66	333228.	67-449-88
333207.	67-449-67	333229.	67-449-89
333208.	67-449-68	333230.	67-449-90
333209.	67-449-69	333231.	67-449-91
333210.	67-449-70	333232.	67-449-92
333211.	67-449-71	333233.	67-449-93
333212.	67-449-72	333234.	67-449-94
333213.	67-449-73	333235.	67-449-95
333214.	67-449-74	333236.	67-449-96
333215.	67-449-75	333237.	67-449-97
333216.	67-449-76	333238.	67-449-98
333217.	67-449-77	333239.	67-449-99

333240 to 333282. HORDEUM BULBOSUM L. Gramineae. Bulbous barley

333240.	66-18	333258.	66-113
333241.	66-39	333259.	66-114
333242.	66-40	333260.	66-115
333243.	66-44	333261.	66-116
333244.	66-49	333262.	66-117
333245.	66-82	333263.	66-118
333246.	66-97	333264.	66-119
333247.	66-98	333265.	66-120
333248.	66-99	333266.	66-121
333249.	66-101	333267.	66-122
333250.	66-104	333268.	66-124
333251.	66-105	333269.	66-125
333252.	66-106	333270.	66-126
333253.	66-107	333271.	66-127
333254.	66-108	333272.	66-128
333255.	66-110	333273.	66-129
333256.	66-111	333274.	66-130
333257.	66-112	333275.	66-131

331800 to 333282—Continued

333240 to 333282—Continued

333276. 66-132	333280. 66-136
333277. 66-133	333281. 66-137
333278. 66-134	333282. 66-138
333279. 66-135	

333283 to 336898.

From Israel. Seed presented by Faculty of Agriculture, Hebrew University of Jerusalem, Rehovot, under Public Law 480 Project A10-CR-1. Numbered Aug. 1, 1968.

The numbers in parentheses, following a PI number, stand for the races of rust—stem, crown, or both—to which the sample is resistant.

333283 to 335618. AVENA STERILIS L. Gramineae. Animated oats.

333283. 6-1-11	333314. 6-20-12
333284. 6-1-12	333315. 6-20-13
333285. 6-1-13	333316. 6-20-15
333286. 6-3-12	333317. 6-21-12
333287. 6-5-11	333318. 6-30-11
333288. 6-5-13	333319. 6-30-12
333289. 6-5-14	333320. 6-30-13
333290. 6-6-11	333321. 6-33-12
333291. 6-8-12	333322. 6-35-12
333292. 6-10-11	333323. 6-35-15
333293. 6-10-12	333324. 6-41-12
333294. 6-10-13	333325. 6-42-11
333295. 6-11-11	333326. 6-43-11
333296. 6-12-11	333327. 6-43-14
333297. 6-13-13	333328. 6-44-12
333298. 6-14-13	333329. 6-44-13
333299. 6-14-16	333330. 6-52-2-31-1
333300. 6-14-17	333331. 6-52-2-31-2-1
333301. 6-15-11	333332. 652-2-31-3
333302. 6-15-12	333333. 6-52-2-31-3-1
333303. 6-15-13	333334. 6-52-2-31-3-2
333304. 6-15-16	333335. 6-52-2-41
333305. 6-15-17	333336. 6-52-2-42
333306. 6-15-18	333337. 6-52-2-43
333307. 6-18-11	333338. 6-52-2-44
333308. 6-18-12	333339. 6-52-2-45
333309. 6-18-13	333340. 6-52-11
333310. 6-18-14	333341. 6-54-11
333311. 6-18-15	333342. 6-55-11
333312. 6-19-11	333343. 6-55-13
333313. 6-20-11	333344. 6-55-15

333283 to 336898—Continued

333283 to 335618—Continued

333345.	6-55-16	333386.	6-76-4-7-101
333346.	6-55-17	333387.	6-76-4-7-102
333347.	6-58-13	333388.	6-76-4-7-103
333348.	6-58-14	333389.	6-76-4-8-1
333349.	6-58-15	333390.	6-76-4-8-102
333350.	6-69-11	333391.	6-76-4-8-103
333351.	6-69-12	333392.	6-76-4-8-105
333352.	6-69-18	333393.	6-76-4-9-1
333353.	6-70-2-41	333394.	6-76-4-9-101
333354.	6-70-2-44	333395.	6-76-4-10-1
333355.	6-71-11	333396.	6-76-4-10-101
333356.	6-71-13	333397.	6-76-5-1-1
333357.	6-71-14	333398.	6-76-5-1-102
333358.	6-71-16	333399.	6-76-5-3-1
333359.	6-72-11	333400.	6-76-5-4-1
333360.	6-72-13	333401.	6-76-5-5-1
333361.	6-74-12	333402.	6-76-5-6-6
333362.	6-76-2-1-1	333403.	6-76-5-6-41
333363.	6-76-2-2-1	333404.	6-76-5-6-42
333364.	6-76-2-2-102	333405.	6-76-5-6-43
333365.	6-76-2-3-1	333406.	6-76-5-6-44
333366.	6-76-2-4-1	333407.	6-76-5-6-45
333367.	6-76-2-5-1	333408.	6-76-5-8-1
333368.	6-76-2-5-102	333409.	6-76-5-8-1-1
333369.	6-76-2-5-103	333410.	6-76-5-8-1-2
333370.	6-76-3-1-1	333411.	6-76-5-8-103
333371.	6-76-3-1-101	333412.	6-76-5-13-1
333372.	6-76-3-1-104	333413.	6-76-5-13-104
333373.	6-76-3-1-105	333414.	6-76-5-15-1
333374.	6-76-4-1-1	333415.	6-76-5-15-103
333375.	6-76-4-1-103	333416.	6-76-11
333376.	6-76-4-2-1	333417.	6-76-13
333377.	6-76-4-2-102	333418.	6-78-12
333378.	6-76-4-2-103	333419.	6-79-12
333379.	6-76-4-3-1	333420.	6-80-11
333380.	6-76-4-3-101	333421.	6-80-12
333381.	6-76-4-4-1	333422.	6-80-13
333382.	6-76-4-5-1	333423.	6-81-11
333383.	6-76-4-6-1	333424.	6-81-12
333384.	6-76-4-6-102	333425.	6-81-13
333385.	6-76-4-7-1	333426.	6-81-16

333283 to 336898—Continued

333283 to 335618—Continued

333427.	6-81-17	333468.	6-82-5-15-8
333428.	6-81-18	333469.	6-82-5-22-1
333429.	6-81-19	333470.	6-82-5-22-3
333430.	6-82-5-1-1	333471.	6-82-5-22-4
333431.	6-82-5-1-2	333472.	6-82-5-23-1
333432.	6-82-5-1-3	333473.	6-82-5-27
333433.	6-82-5-1-4	333474.	6-82-5-28
333434.	6-82-5-1-4-1	333475.	6-82-5-29
333435.	6-82-5-1-4-2	333476.	6-82-5-37
333436.	6-82-5-1-8	333477.	6-82-11
333437.	6-82-5-2-1	333478.	6-82-12
333438.	6-82-5-2-2	333479.	6-82-14
333439.	6-82-5-2-2-1	333480.	6-82-16
333440.	6-82-5-2-3	333481.	6-83-12
333441.	6-82-5-2-3-1	333482.	6-85-11
333442.	6-82-5-2-3-2	333483.	6-89-3-3-1
333443.	6-82-5-2-4-1	333484.	6-89-3-23-1
333444.	6-82-5-3-1	333485.	6-89-3-24-1
333445.	6-82-5-3-2	333486.	6-89-3-31-1
333446.	6-82-5-3-3	333487.	6-89-3-33-1
333447.	6-82-5-3-6	333488.	6-89-3-34-1
333448.	6-82-5-4-1	333489.	6-89-3-37
333449.	6-82-5-4-2	333490.	6-89-3-42
333450.	6-82-5-4-4	333491.	6-89-12
333451.	6-82-5-5-1	333492.	6-90-3-2-1
333452.	6-82-5-5-4-4	333493.	6-90-3-2-2
333453.	6-82-5-5-6	333494.	6-90-3-2-3
333454.	6-82-5-5-9	333495.	6-90-3-2-4
333455.	6-82-5-5-10	333496.	6-90-3-4-1
333456.	6-82-5-6-1	333497.	6-90-3-4-7
333457.	6-82-5-6-2	333498.	6-90-3-4-9
333458.	6-82-5-6-3	333499.	6-90-3-4-10
333459.	6-82-5-6-7-5	333500.	6-90-3-5-1
333460.	6-82-5-7-1	333501.	6-90-3-5-2
333461.	6-82-5-7-1-1	333502.	6-90-3-5-3
333462.	6-82-5-7-6	333503.	6-90-3-5-4
333463.	6-82-5-7-7	333504.	6-90-3-5-7
333464.	6-82-5-7-8	333505.	6-90-3-5-9
333465.	6-82-5-15-1	333506.	6-90-3-6-1
333466.	6-82-5-15-2	333507.	6-90-3-6-2
333467.	6-82-5-15-3	333508.	6-90-3-6-3

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333873.	6-287-12	333914.	6-533-16-2
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334251.	6-1032	334292.	6-1096
334252.	6-1034	334293.	6-1097
334253.	6-1036	334294.	6-1098
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334255.	6-1048	334296.	6-1099-2
334256.	6-1051	334297.	6-1099-3
334257.	6-1052	334298.	6-1099-4
334258.	6-1058	334299.	6-1099-5
334259.	6-1054	334300.	6-1099-8
334260.	6-1054-1	334301.	6-1099-10
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334267.	6-1062	334308.	6-1107-1
334268.	6-1064-1	334309.	6-1110
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334272.	6-1070-1	334313.	6-1114
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334276.	6-1076	334317.	6-1121
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334278.	6-1081	334319.	6-1130-1
334279.	6-1084	334320.	6-1131
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334281.	6-1087	334322.	6-1132
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334336.	6-1167	334377.	6-1241
334337.	6-1167-1-1	334378.	6-1241-130
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334348.	6-1176	334389.	6-1249-130
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334354.	6-1184-1	334395.	6-1253-120
334355.	6-1190-1	334396.	6-1253-130
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334417.	6-1274-117	334458.	6-1298-1
334418.	6-1274-130	334459.	6-1300
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334421.	6-1275-130	334462.	6-1302-1
334422.	6-1275-131	334463.	6-1302-2
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334424.	6-1275-133	334465.	6-1303
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334428.	6-1277-1	334469.	6-1304-118
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334431.	6-1277-118	334472.	6-1305
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334436.	6-1281	334477.	6-1306-132
334437.	6-1281-1	334478.	6-1306-133
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334442.	6-1286	334483.	6-1310
334443.	6-1287	334484.	6-1310-130
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334445.	6-1289	334486.	6-1311-130
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334447.	6-1291-130	334488.	6-1313-131
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334500.	6-1343	334541.	6-1403-130
334501.	6-1344	334542.	6-1403-131
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334505.	6-1352	334546.	6-1407-130
334506.	6-1354	334547.	6-1407-131
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334508.	6-1361-130	334549.	6-1408-130
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334510.	6-1361-132	334551.	6-1409
334511.	6-1366-1	334552.	6-1409-130
334512.	6-1372-1	334553.	6-1410
334513.	6-1377	334554.	6-1410-130
334514.	6-1377-1	334555.	6-1411-130
334515.	6-1378	334556.	6-1411-131
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334518.	6-1385	334559.	6-1413
334519.	6-1390	334560.	6-1414
334520.	6-1390-130	334561.	6-1414-130
334521.	6-1392	334562.	6-1414-131
334522.	6-1392-1	334563.	6-1415
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334524.	6-1393-130	334565.	6-1415-131
334525.	6-1393-131	334566.	6-1415-132
334526.	6-1394	334567.	6-1416
334527.	6-1394-130	334568.	6-1417
334528.	6-1395	334569.	6-1417-130
334529.	6-1395-130	334570.	6-1418
334530.	6-1396	334571.	6-1419
334531.	6-1398	334572.	6-1420
334532.	6-1398-130	334573.	6-1421
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334578.	6-1422-131	334619.	6-1449-101
334579.	6-1422-132	334620.	6-1450
334580.	6-1423	334621.	6-1450-1-4
334581.	6-1424	334622.	6-1451
334582.	6-1424-130	334623.	6-1451-120
334583.	6-1424-131	334624.	6-1452
334584.	6-1425	334625.	6-1453
334585.	6-1426	334626.	6-1454
334586.	6-1426-1	334627.	6-1454-1
334587.	6-1427	334628.	6-1456
334588.	6-1428	334629.	6-1456-130
334589.	6-1429	334630.	6-1457
334590.	6-1430	334631.	6-1458
334591.	6-1430-101	334632.	6-1460
334592.	6-1431-102	334633.	6-1462
334593.	6-1433	334634.	6-1462-1
334594.	6-1433-130	334635.	6-1462-111
334595.	6-1434	334636.	6-1462-114
334596.	6-1434-113	334637.	6-1462-115
334597.	6-1435-130	334638.	6-1462-115-415
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334601.	6-1438-130	334642.	6-1466
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334603.	6-1439	334644.	6-1469
334604.	6-1439-1	334645.	6-1469-2
334605.	6-1440	334646.	6-1470-1
334606.	6-1440-130	334647.	6-1472-112
334607.	6-1441	334648.	6-1475
334608.	6-1441-130	334649.	6-1479
334609.	6-1442	334650.	6-1480-1
334610.	6-1442-130	334651.	6-1481
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334612.	6-1443-1	334653.	6-1496-1
334613.	6-1444	334654.	6-1501-1
334614.	6-1444-1	334655.	6-1506-1
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334660.	6-1524-1-4	334701.	6-1569-130
334661.	6-1524-2-1	334702.	6-1570
334662.	6-1526-1	334703.	6-1570-1
334663.	6-1527	334704.	6-1572
334664.	6-1531-1	334705.	6-1572-130
334665.	6-1535	334706.	6-1573
334666.	6-1538	334707.	6-1575
334667.	6-1539	334708.	6-1576
334668.	6-1540	334709.	6-1576-1-4
334669.	6-1541-8-2	334710.	6-1576-1-6
334670.	6-1541-9	334711.	6-1576-1-8
334671.	6-1541-10	334712.	6-1576-2
334672.	6-1541-10-4	334713.	6-1576-2-1
334673.	6-1541-112	334714.	6-1577
334674.	6-1542-6	334715.	6-1577-130
334675.	6-1542-7	334716.	6-1577-131
334676.	6-1542-8	334717.	6-1578
334677.	6-1545	334718.	6-1578-130
334678.	6-1546	334719.	6-1578-131-3
334679.	6-1546-3	334720.	6-1579
334680.	6-1552	334721.	6-1580
334681.	6-1552-130	334722.	6-1580-130
334682.	6-1553	334723.	6-1581
334683.	6-1554-1	334724.	6-1581-130
334684.	6-1559-130	334725.	6-1582
334685.	6-1561	334726.	6-1583
334686.	6-1561-130	334727.	6-1584-1
334687.	6-1561-131	334728.	6-1585
334688.	6-1562	334729.	6-1590
334689.	6-1562-130	334730.	6-1590-1
334690.	6-1563	334731.	6-1591
334691.	6-1563-103	334732.	6-1591-130
334692.	6-1563-105	334733.	6-1591-132
334693.	6-1563-114	334734.	6-1593
334694.	6-1563-130	334735.	6-1594
334695.	6-1564-130	334736.	6-1594-1
334696.	6-1566-130	334737.	6-1595
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334741.	6-1599-130	334782.	6-1630-1
334742.	6-1600	334783.	6-1633
334743.	6-1601	334784.	6-1634
334744.	6-1602	334785.	6-1635
334745.	6-1602-1	334786.	6-1635-6
334746.	6-1603	334787.	6-1635-9
334747.	6-1603-1	334788.	6-1635-24
334748.	6-1604	334789.	6-1636
334749.	6-1605	334790.	6-1636-7
334750.	6-1606	334791.	6-1638
334751.	6-1606-1	334792.	6-1640
334752.	6-1607	334793.	6-1641-1
334753.	6-1608	334794.	6-1645
334754.	6-1608-1	334795.	6-1651-1
334755.	6-1609	334796.	6-1652
334756.	6-1609-1	334797.	6-1653
334757.	6-1610	334798.	6-1653-1
334758.	6-1610-1-1	334799.	6-1656-1
334759.	6-1611	334800.	6-1663
334760.	6-1612	334801.	6-1664-1-1
334761.	6-1612-1	334802.	6-1664-1-2
334762.	6-1613	334803.	6-1665
334763.	6-1618-1	334804.	6-1666
334764.	6-1614-1	334805.	6-1666-21-1
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334768.	6-1616-1	334809.	6-1667-21-3
334769.	6-1617	334810.	6-1667-22-1
334770.	6-1618	334811.	6-1667-111
334771.	6-1622	334812.	6-1669
334772.	6-1623	334813.	6-1670
334773.	6-1624-1	334814.	6-1676
334774.	6-1625	334815.	6-1676-1-1
334775.	6-1625-1	334816.	6-1676-5-1
334776.	6-1626	334817.	6-1677-1
334777.	6-1628	334818.	6-1680-1-1
334778.	6-1629	334819.	6-1682
334779.	6-1629-2	334820.	6-1682-1-1

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334824.	6-1682-5	334865.	6-1696-9
334825.	6-1682-6	334866.	6-1696-22
334826.	6-1682-7	334867.	6-1697
334827.	6-1682-8	334868.	6-1697-1
334828.	6-1682-9	334869.	6-1697-1-2
334829.	6-1683	334870.	6-1697-3
334830.	6-1683-2	334871.	6-1698
334831.	6-1683-6	334872.	6-1698-1
334832.	6-1683-7	334873.	6-1698-2
334833.	6-1683-8	334874.	6-1698-3
334834.	6-1683-23	334875.	6-1703
334835.	6-1684	334876.	6-1703-5
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334837.	6-1686	334878.	6-1703-8
334838.	6-1691	334879.	6-1703-10
334839.	6-1691-2	334880.	6-1703-11
334840.	6-1691-3	334881.	6-1703-13
334841.	6-1691-8	334882.	6-1703-14
334842.	6-1691-9	334883.	6-1703-15
334843.	6-1691-10	334884.	6-1703-21-1
334844.	6-1691-11	334885.	6-1703-23-4
334845.	6-1692	334886.	6-1703-24
334846.	6-1692-10-2	334887.	6-1705
334847.	6-1692-14	334888.	6-1707-1
334848.	6-1692-15	334889.	6-1709
334849.	6-1692-20	334890.	6-1710
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334851.	6-1692-24	334892.	6-1710-2
334852.	6-1693	334893.	6-1710-3
334853.	6-1694	334894.	6-1711
334854.	6-1694-2-1	334895.	6-1711-11
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335568.	D136-24-1-2	335598.	D143-4-2
335569.	D136-24-1-3	335599.	D143-4-5
335570.	D136-24-1-4	335600.	D143-5-3
335571.	D136-24-1-5	335601.	D143-5-5
335572.	D136-24-2	335602.	D143-6-5
335573.	D136-24-3	335603.	D143-23-5
335574.	D136-24-8	335604.	D143-24-6
335575.	D136-31-1	335605.	D143-25-5
335576.	D136-31-2	335606.	D143-31-5
335577.	D136-31-7	335607.	D143-32-5
335578.	D136-33-1	335608.	D143-32-6
335579.	D136-33-2	335609.	D143 (264)
335580.	D136-33-3	335610.	D167-21
335581.	D136-33-6	335611.	D167-22
335582.	D136-33-9	335612.	D167-23
335583.	D136-35-1	335613.	D167-24
335584.	D136-35-6-1	335614.	D167-25
335585.	D136-35-8	335615.	D204-21
335586.	D136-36	335616.	D204-22
335587.	D136-38	335617.	D204-23
335588.	D136-41	335618.	D204-25

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335620.	7-20-2	335630.	7-24-8-32
335621.	7-22-3	335631.	7-24-8-34
335622.	7-23-5	335632.	7-24-10
335623.	7-24-3	335633.	7-35-1
335624.	7-24-3-31	335634.	7-35-3
335625.	7-24-3-32	335635.	7-37-1-31
335626.	7-24-3-33	335636.	7-37-1-32
335627.	7-24-3-34	335637.	7-37-1-33
335628.	7-24-3-36	335638.	7-37-1-34

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 335645. 7-83-2
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 335647. 7-100-4
 335648. 7-115-3
 335649. 7-120-1
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 335651. 7-123-1
 335652. 7-125-1
 335653. 7-133-1
 335654. 7-133-2
 335655. 7-136-1
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 335667. 7-171-2
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 335684. 7-192-7
 335685. 7-193-1
 335686. 7-196-2
 335687. 7-196-6
 335688. 7-197-8
 335689. 7-197-8-2
 335690. 7-201-5
 335691. 7-203-3
 335692. 7-206-9
 335693. 7-215-1
 335694. 7-215-2
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 335696. 7-215-2-32
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 335709. 7-219-2
 335710. 7-219-4
 335711. 7-219-12
 335712. 7-220-2
 335713. 7-220-2-31
 335714. 7-220-2-32
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335722.	7-234-4-32	335763.	7-281-10-33
335723.	7-234-8	335764.	7-281-10-34
335724.	7-236-4	335765.	7-281-10-35
335725.	7-250-5	335766.	7-281-10-36
335726.	7-252-5	335767.	7-281-10-37
335727.	7-258-1	335768.	7-281-10-38
335728.	7-258-3	335769.	7-281-10-39
335729.	7-261-4	335770.	7-287-2
335730.	7-261-4-31	335771.	7-287-3
335731.	7-261-4-33	335772.	7-287-7
335732.	7-261-4-34	335773.	7-287-9
335733.	7-261-5	335774.	7-289-3
335734.	7-261-5-31	335775.	7-289-7
335735.	7-261-5-32	335776.	7-290-6
335736.	7-261-5-33	335777.	7-290-8
335737.	7-262-4	335778.	7-291-4
335738.	7-266-10	335779.	7-295-6
335739.	7-273-4	335780.	7-296-2
335740.	7-276-2	335781.	7-308-7
335741.	7-276-2-31	335782.	7-308-8
335742.	7-276-2-32	335783.	7-310-6
335743.	7-276-2-36	335784.	7-311-6
335744.	7-276-2-37	335785.	7-311-9
335745.	7-277-4	335786.	7-311-10
335746.	7-277-5	335787.	7-313-8
335747.	7-278-11	335788.	7-315-9
335748.	7-278-11-31	335789.	7-315-10
335749.	7-278-11-32	335790.	7-317-4
335750.	7-281-7	335791.	7-319-6
335751.	7-281-7-31	335792.	7-319-7
335752.	7-281-7-32	335793.	7-319-8
335753.	7-281-7-33	335794.	7-320-6
335754.	7-281-7-34	335795.	7-320-7
335755.	7-281-7-35	335796.	7-320-7-31
335756.	7-281-7-36	335797.	7-320-7-32
335757.	7-281-7-37	335798.	7-320-7-33
335758.	7-281-7-38	335799.	7-320-7-34
335759.	7-281-9	335800.	7-320-7-36
335760.	7-281-10	335801.	7-320-7-37
335761.	7-281-10-31	335802.	7-320-7-38

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335805.	7-320-8	335833.	7-347-7
335806.	7-320-10	335834.	7-347-9
335807.	7-321-6	335835.	7-352-1
335808.	7-321-7	335836.	7-352-5
335809.	7-321-8	335837.	7-353-1
335810.	7-321-9	335838.	7-354-6
335811.	7-321-10	335839.	7-354-7
335812.	7-323-6	335840.	7-354-9
335813.	7-323-8	335841.	7-355-6
335814.	7-325-4	335842.	7-355-10
335815.	7-325-6	335843.	7-362-2
335816.	7-325-7	335844.	7-362-3
335817.	7-325-10	335845.	7-367-3
335818.	7-326-1	335846.	7-370-2
335819.	7-326-9	335847.	7-370-3
335820.	7-326-10	335848.	7-377-9
335821.	7-327-2	335849.	7-378-3-31
335822.	7-328-2	335850.	7-378-3-33
335823.	7-328-4	335851.	7-378-3-34
335824.	7-328-5	335852.	7-378-3-35
335825.	7-328-9	335853.	7-378-3-36
335826.	7-328-10	335854.	7-378-3-38
335827.	7-329-6	335855.	7-379-7
335828.	7-334-4	335856.	7-381-6
335829.	7-344-7	335857.	7-383-6
335830.	7-346-4	335858.	7-385-3

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335860.	6-40-3	335872.	6-76-2
335861.	6-52-2	335873.	6-76-2-1
335862.	6-52-2-1	335874.	6-76-2-2
335863.	6-52-2-31	335875.	6-76-2-3
335864.	6-54-8	335876.	6-76-2-4
335865.	6-59	335877.	6-76-2-5
335866.	6-64-7	335878.	6-76-3-1
335867.	6-70-2	335879.	6-76-4-1
335868.	6-70-2-1	335880.	6-76-4-2
335869.	6-70-2-3	335881.	6-76-4-3
335870.	6-70-2-4	335882.	6-76-4-4

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335884.	6-76-4-6	335925.	6-93-9
335885.	6-76-4-7	335926.	6-94-3-7-8
335886.	6-76-4-9	335927.	6-98
335887.	6-76-4-10	335928.	6-101
335888.	6-76-5-1	335929.	6-102
335889.	6-76-5-2	335930.	6-105
335890.	6-76-5-3	335931.	6-105-2
335891.	6-76-5-4	335932.	6-105-5
335892.	6-76-5-5	335933.	6-105-5-1
335893.	6-76-5-6	335934.	6-105-5-1-6
335894.	6-76-5-7	335935.	6-105-5-1-9
335895.	6-76-5-8	335936.	6-105-5-2
335896.	6-76-5-9	335937.	6-105-5-2-2
335897.	6-76-5-9-1	335938.	6-105-5-2-7
335898.	6-76-5-10	335939.	6-105-5-3
335899.	6-76-5-10-103	335940.	6-105-5-4
335900.	6-76-5-12	335941.	6-105-5-4-21
335901.	6-76-5-13	335942.	6-105-5-4-21-9
335902.	6-76-5-15	335943.	6-105-5-4-25
335903.	6-76-16	335944.	6-105-5-5
335904.	6-82-5	335945.	6-105-5-5-1
335905.	6-82-5-1	335946.	6-105-5-5-8
335906.	6-82-5-1-9	335947.	6-105-5-5-9
335907.	6-82-5-2	335948.	6-105-5-6
335908.	6-90-3-2	335949.	6-105-5-7
335909.	6-90-3-4	335950.	6-105-5-11
335910.	6-90-3-5	335951.	6-105-5-11-7
335911.	6-90-3-6	335952.	6-105-5-13
335912.	6-90-3-6-7	335953.	6-105-5-15
335913.	6-90-3-7	335954.	6-105-5-17
335914.	6-90-3-17	335955.	6-105-5-21
335915.	6-90-3-32-1	335956.	6-105-5-22
335916.	6-93-1	335957.	6-105-5-23
335917.	6-93-2	335958.	6-105-5-24
335918.	6-93-2-2-21-2	335959.	6-105-5-24-1
335919.	6-93-3	335960.	6-105-5-34
335920.	6-93-4	335961.	6-105-5-34-6
335921.	6-93-5	335962.	6-105-5-35
335922.	6-93-5-2	335963.	6-105-5-35-8
335923.	6-93-5-2-22	335964.	6-105-5-35-9

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 335968. 6-105-5-50
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 335970. 6-107-9
 335971. 6-110-1-2
 335972. 6-110-1-6
 335973. 6-110-1-36
 335974. 6-110-1-38
 335975. 6-110-2
 335976. 6-110-6
 335977. 6-112-1
 335978. 6-112-1-5
 335979. 6-112-1-11
 335980. 6-112-1-15
 335981. 6-112-1-49
 335982. 6-112-1-50
 335983. 6-112-1-55
 335984. 6-112-10
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 335986. 6-115-2-4
 335987. 6-116-4
 335988. 6-123-2
 335989. 6-125-3-9
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 335993. 6-136-5-32
 335994. 6-136-5-33
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 335996. 6-138-8
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 336009. 6-167-5-22
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 336017. 6-168-1-21
 336018. 6-168-1-22
 336019. 6-168-1-26
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 336021. 6-168-1-33
 336022. 6-168-1-45-6
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336049.	6-216-2-2	336090.	6-290
336050.	6-216-2-42	336091.	6-294-9
336051.	6-216-5	336092.	6-306-10
336052.	6-230-7	336093.	6-307-11
336053.	6-251-10	336094.	6-310-12
336054.	6-251-10-43	336095.	6-312-11
336055.	6-256-10	336096.	6-312-12
336056.	6-257-1	336097.	6-312-13
336057.	6-257-1-2	336098.	6-312-14
336058.	6-257-1-4	336099.	6-313-5
336059.	6-257-1-5	336100.	6-313-5-1
336060.	6-257-1-6	336101.	6-313-5-1-22
336061.	6-257-1-6-8	336102.	6-313-5-1-22-1
336062.	6-257-1-11	336103.	6-313-5-1-22-2
336063.	6-257-1-13	336104.	6-313-5-1-31
336064.	6-257-1-14	336105.	6-313-5-1-31-6
336065.	6-257-1-21	336106.	6-313-5-2
336066.	6-257-1-21-8	336107.	6-313-5-2-7
336067.	6-257-1-22	336108.	6-313-5-2-8
336068.	6-257-1-23	336109.	6-313-5-3
336069.	6-257-1-23-6	336110.	6-313-5-3-1
336070.	6-257-1-23-8	336111.	6-313-5-3-22
336071.	6-257-1-31	336112.	6-313-5-3-22-1
336072.	6-257-1-32	336113.	6-313-5-3-23
336073.	6-257-1-32-3	336114.	6-313-5-3-31
336074.	6-257-1-34	336115.	6-313-5-3-32
336075.	6-257-1-35	336116.	6-313-5-3-33
336076.	6-257-1-35-6	336117.	6-313-5-3-33-6
336077.	6-257-1-43	336118.	6-313-5-6
336078.	6-257-3	336119.	6-313-5-7
336079.	6-258-7	336120.	6-313-5-7-1
336080.	6-265-5	336121.	6-313-5-7-6
336081.	6-272-1	336122.	6-313-5-7-7
336082.	6-272-4	336123.	6-313-5-11
336083.	6-272-4-1	336124.	6-313-5-11-1
336084.	6-272-4-1-21	336125.	6-313-5-11-2
336085.	6-272-4-3	336126.	6-313-5-17
336086.	6-272-4-23	336127.	6-313-5-21
336087.	6-272-4-32	336128.	6-313-5-21-1

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336130.	6-313-5-21-7	336171.	6-325-16
336131.	6-313-5-22	336172.	6-326-12
336132.	6-313-5-22-1	336173.	6-327-11
336133.	6-313-5-22-7	336174.	6-327-12
336134.	6-313-5-22-8	336175.	6-328-11
336135.	6-313-5-23	336176.	6-328-12
336136.	6-313-5-23-1	336177.	6-328-13
336137.	6-313-5-23-7	336178.	6-328-14
336138.	6-313-5-23-8	336179.	6-328-15
336139.	6-313-5-27	336180.	6-328-16
336140.	6-313-5-27-1	336181.	6-329-12
336141.	6-313-5-27-6	336182.	6-330-11
336142.	6-313-5-31	336183.	6-330-12
336143.	6-313-5-33	336184.	6-330-13
336144.	6-313-5-33-6	336185.	6-330-14
336145.	6-313-5-34	336186.	6-330-15
336146.	6-313-5-34-6	336187.	6-330-16
336147.	6-313-5-36	336188.	6-331-11
336148.	6-313-5-37	336189.	6-331-12
336149.	6-313-5-41	336190.	6-331-14
336150.	6-313-5-44-7	336191.	6-331-16
336151.	6-313-5-45-1	336192.	6-331-18
336152.	6-313-5-45-2	336193.	6-333-12
336153.	6-313-5-45-7	336194.	6-333-16
336154.	6-313-11	336195.	6-335-11
336155.	6-316-14	336196.	6-335-12
336156.	6-316-15	336197.	6-335-13
336157.	6-317-11	336198.	6-335-14
336158.	6-319-2	336199.	6-336-3
336159.	6-322-12	336200.	6-336-3-5
336160.	6-323-11	336201.	6-336-3-5-6
336161.	6-323-14	336202.	6-336-3-7
336162.	6-323-15	336203.	6-336-3-7-6
336163.	6-323-16	336204.	6-336-3-10-6
336164.	6-324-11	336205.	6-336-3-10-7
336165.	6-324-12	336206.	6-336-3-24
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336167.	6-324-15	336208.	6-336-3-35
336168.	6-324-18	336209.	6-336-12
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336226. 6-341-18
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336228. 6-347-11
336229. 6-350-11
336230. 6-350-12
336231. 6-350-14
336232. 6-350-16
336233. 6-360-15
336234. 6-361-12
336235. 6-361-13
336236. 6-361-15
336237. 6-361-16
336238. 6-364-4
336239. 6-366-11
336240. 6-366-12
336241. 6-366-14
336242. 6-368-12
336243. 6-369-11
336244. 6-369-12
336245. 6-371-2
336246. 6-371-11
336247. 6-371-12
336248. 6-371-13
336249. 6-371-14
336250. 6-372-11
336251. 6-372-14

336252. 6-374-11
336253. 6-374-14
336254. 6-374-16
336255. 6-374-18
336256. 6-376-12
336257. 6-376-15
336258. 6-379-11
336259. 6-379-12
336260. 6-381-4
336261. 6-381-11
336262. 6-381-12
336263. 6-390-12
336264. 6-391-11
336265. 6-397-12
336266. 6-397-13
336267. 6-403-11
336268. 6-404-15
336269. 6-409-11
336270. 6-409-13
336271. 6-409-15
336272. 6-409-16
336273. 6-409-17
336274. 6-410-13
336275. 6-410-14
336276. 6-410-16
336277. 6-412-12
336278. 6-414-12
336279. 6-415-14
336280. 6-416-11
336281. 6-416-12
336282. 6-416-13
336283. 6-416-14
336284. 6-416-15
336285. 6-416-16
336286. 6-416-17
336287. 6-417-12
336288. 6-417-13
336289. 6-417-16
336290. 6-417-18
336291. 6-419-11
336292. 6-419-13

333283 to 336898—Continued

335859 to 336652—Continued

336293.	6-425-5	336334.	6-533-7-1
336294.	6-425-11	336335.	6-533-11
336295.	6-425-12	336336.	6-533-16
336296.	6-425-13	336337.	6-535-1-1
336297.	6-425-15	336338.	6-535-1-6
336298.	6-426-5	336339.	6-535-10
336299.	6-440-15	336340.	6-536
336300.	6-440-16	336341.	6-538
336301.	6-440-17	336342.	6-544
336302.	6-444-12	336343.	6-545
336303.	6-444-15	336344.	6-546
336304.	6-444-17	336345.	6-547
336305.	6-444-19	336346.	6-554
336306.	6-448-12	336347.	6-617-13
336307.	6-450-13	336348.	6-622
336308.	6-457-11	336349.	6-622-12
336309.	6-457-14	336350.	6-651
336310.	6-457-15	336351.	6-651-1-1
336311.	6-458-12	336352.	6-651-1-6
336312.	6-459-11	336353.	6-651-4-1
336313.	6-460-12	336354.	6-651-51
336314.	6-463-11	336355.	6-651-52
336315.	6-467-11	336356.	6-678-12
336316.	6-469-12	336357.	6-678-13
336317.	6-469-13	336358.	6-678-14
336318.	6-478-12	336359.	6-679
336319.	6-481-15	336360.	6-679-11
336320.	6-483-11	336361.	6-679-12
336321.	6-484-4	336362.	6-679-13
336322.	6-484-18	336363.	6-679-15
336323.	6-486-11	336364.	6-679-16
336324.	6-489-12	336365.	6-679-17
336325.	6-493-12	336366.	6-681-11
336326.	6-495-1	336367.	6-681-12
336327.	6-503-12	336368.	6-681-14
336328.	6-506-14	336369.	6-681-16
336329.	6-509-12	336370.	6-681-17
336330.	6-519-13	336371.	6-681-18
336331.	6-533	336372.	6-685
336332.	6-533-1-6	336373.	6-688-2
336333.	6-533-1-7	336374.	6-688-11

333283 to 336898—Continued

335859 to 336652—Continued

336375.	6-708-11	336416.	6-1456-130
336376.	6-711-11	336417.	6-1462-113
336377.	6-711-13	336418.	6-1475-2
336378.	6-714-13	336419.	6-1524-2
336379.	6-784	336420.	6-1585-130
336380.	6-785-2	336421.	6-1586-130
336381.	6-785-3	336422.	6-1598-130
336382.	6-785-4	336423.	6-1610-1
336383.	6-785-5	336424.	6-1616-130
336384.	6-785-7	336425.	6-1629-1
336385.	6-785-16	336426.	6-1635-22
336386.	6-785-17	336427.	6-1635-23
336387.	6-785-19	336428.	6-1635-25
336388.	6-785-20	336429.	6-1661-7
336389.	6-786-50	336430.	6-1664-1
336390.	6-915-1	336431.	6-1664-2
336391.	6-939-11	336432.	6-1668-1
336392.	6-953-101	336433.	6-1676-4
336393.	6-953-102	336434.	6-1676-26
336394.	6-1014-2	336435.	6-1680-7
336395.	6-1014-12	336436.	6-1681-1
336396.	6-1019-2	336437.	6-1694-1
336397.	6-1020-1	336438.	6-1696-2
336398.	6-1023-11	336439.	6-1696-3
336399.	6-1024-11	336440.	6-1703-22
336400.	6-1024-13	336441.	6-1703-23
336401.	6-1026-11	336442.	6-1703-27
336402.	6-1028-16	336443.	6-1703-29
336403.	6-1088-101	336444.	6-1717-1
336404.	6-1293-115	336445.	6-1717-4
336405.	6-1304-113	336446.	6-1718-1
336406.	6-1304-117	336447.	6-1718-2
336407.	6-1304-120	336448.	6-1718-3
336408.	6-1306-101	336449.	6-1718-4
336409.	6-1306-113	336450.	6-1718-6
336410.	6-1319-111	336451.	6-1718-23
336411.	6-1410-111	336452.	6-1718-28
336412.	6-1426-130	336453.	6-1718-29
336413.	6-1450-1	336454.	6-1718-30
336414.	6-1451-116	336455.	6-1718-31
336415.	6-1451-120	336456.	6-1718-32

333283 to 336898—Continued

335859 to 336652—Continued

336457.	6-1723-22	336498.	6-1812-1
336458.	6-1723-23	336499.	6-1813
336459.	6-1724-1	336500.	6-1833-13
336460.	6-1730-130	336501.	6-1833-26
336461.	6-1735-3	336502.	6-1833-30
336462.	6-1735-4	336503.	6-1833-39
336463.	6-1735-34	336504.	6-1833-40
336464.	6-1735-35	336505.	6-1838-7
336465.	6-1735-1	336506.	6-1844-3
336466.	6-1736-6	336507.	6-1845-19
336467.	6-1736-8	336508.	6-1847-12
336468.	6-1736-9	336509.	6-1850-17
336469.	6-1736-13	336510.	6-1852-2
336470.	6-1736-29	336511.	6-2174-402
336471.	6-1736-30	336512.	6-2174-404
336472.	6-1736-31	336513.	6-2238-302
336473.	6-1736-32	336514.	D11 (264)
336474.	6-1737-1	336515.	D11 (70)-20
336475.	6-1740-6	336516.	D11 (70)-21
336476.	6-1743-1	336517.	D11 (70)-22
336477.	6-1745-2	336518.	D11 (205)
336478.	6-1745-3	336519.	D21 (205)
336479.	6-1753-3	336520.	D22 (203A+18)
336480.	6-1761-11	336521.	D22 (205)
336481.	6-1773-14	336522.	D22 (264)
336482.	6-1789-4	336523.	D23 (203A)
336483.	6-1789-7	336524.	D23 (205)
336484.	6-1789-12	336525.	D25 (203)
336485.	6-1794-6	336526.	D25 (205)
336486.	6-1795-2	336527.	D26 (203)
336487.	6-1797-14	336528.	D27
336488.	6-1798-130	336529.	D31 (203A)
336489.	6-1807	336530.	D31 (205)
336490.	6-1808-1	336531.	D35 (203A+1)
336491.	6-1809	336532.	D37 (203)
336492.	6-1809-1	336533.	D38 (203A+1)
336493.	6-1810-1	336534.	D38 (205)
336494.	6-1810-130	336535.	D40
336495.	6-1811	336536.	D40 (205)
336496.	6-1811-118	336537.	D40 (279)
336497.	6-1812	336538.	D40 (1)

333283 to 336898—Continued

335859 to 336652—Continued

336539. D40-4	336580. D123 (203)
336540. D40-11	336581. D123 (205)
336541. D40-13	336582. D127 (203)
336542. D40-14	336583. D127 (205)
336543. D40-15	336584. D128
336544. D40-23	336585. D128 (203)
336545. D40-24	336586. D128 (205)
336546. D40-31	336587. D133 (203)
336547. D40-32	336588. D133 (205)
336548. D40-35	336589. D133 (276)
336549. D41 (203)	336590. D133 (279)
336550. D52 (203)	336591. D135 (203)
336551. D53 (203A)	336592. D135 (205)
336552. D56 (203+8)	336593. D136 (205)
336553. D56 (205)	336594. D136 (264)
336554. D68 (203)	336595. D136 (276)
336555. D71 (205)	336596. D136-6
336556. D73 (203)	336597. D136-7
336557. D73 (205)	336598. D136-11
336558. D78	336599. D136-22
336559. D79 (203)	336600. D136-24
336560. D81 (203)	336601. D136-31
336561. D81 (205)	336602. D136-33
336562. D83 (203)	336603. D136-35
336563. D85 (203+1)	336604. D137 (203)
336564. D89 (203)	336605. D139 (203)
336565. D94 (279)	336606. D139 (264)
336566. D96 (203)	336607. D139 (279)
336567. D96 (205)	No sample
336568. D99 (205)	336608. D143 (203)
336569. D100 (279)	336609. D143 (205)
336570. D103 (203)	336610. D143 (276)
336571. D104 (203)	336611. D143-1
336572. D107 (279)	336612. D143-4
336573. D108 (203)	336613. D143-5
336574. D107 (203)	336614. D143-6
336575. D107 (205)	336615. D143-23
336576. D109 (6)	336616. D143-25
336577. D109 (203)	336617. D143-31
336578. D112 (203A+1)	336618. D143-32
336579. D113	336619. D144 (203)

333283 to 336898—Continued

335859 to 336652—Continued

336620.	D144 (205)	336637.	D188 (203)
336621.	D147 (203)	336638.	D188 (205)
336622.	D149 (276)	336639.	D189 (203)
336623.	D157 (205)	336640.	D189 (205)
336624.	D164 (203)	336641.	D192 (205)
336625.	D164 (205)	336642.	D204 (203)
336626.	D164 (279)	336643.	D204 (205)
336627.	D165 (203)	336644.	D207 (203+1)
336628.	D167 (203)	336645.	D207 (205+6A)
336629.	D177	336646.	D212 (203)
336630.	D177 (276)	336647.	D212 (205)
336631.	D179 (203)	336648.	D183 (203)
336632.	D182 (203)	336649.	D185 (203)
336633.	D183 (205)	336650.	D187
336634.	D183 (264)	336651.	D188 (276)
336635.	D184 (279)	336652.	D204 (203)
336636.	D187 (205)		

336653 to 336867. AVENA BARBATA Pott ex Link Gramineae. Slender oats.

336653.	7-127	336676.	D3 (7A)
336654.	7-129	336677.	D3 (203A)
336655.	7-130	336678.	D3 (205)
336656.	7-133	336679.	D3 (264)
336657.	7-151	336680.	D3 (276)
336658.	7-156	336681.	D4
336659.	7-169	336682.	D4 (7A)
336660.	7-180	336683.	D4 (203A)
336661.	7-182	336684.	D4 (205)
336662.	7-186	336685.	D4 (264)
336663.	7-192	336686.	D4 (276)
336664.	7-199	336687.	D13
336665.	7-210	336688.	D13 (276)
336666.	7-220	336689.	D13 (205)
336667.	7-229	336690.	D14
336668.	7-241	336691.	D14 (205)
336669.	7-252	336692.	D17 (7A)
336670.	7-263	336693.	D17 (205)
336671.	7-272	336694.	D20 (264)
336672.	7-290	336695.	D20 (279)
336673.	7-301	336696.	D22 (6)
336674.	7-314	336697.	D23 (264)
336675.	7-320	336698.	D32 (1)

333283 to 336898—Continued**336653 to 336867—Continued**

336699. D32 (6)	336740. D70 (276+8)
336700. D32 (6A)	336741. D70-71 (279)
336701. D32 (7A)	336742. D74 (1)
336702. D32 (1)	336743. D74 (7A)
336703. D34 (7A)	336744. D74 (8)
336704. D36 (1)	336745. D77 (203)
336705. D36 (7A)	336746. D80
336706. D42	336747. D80 (1)
336707. D45 (203)	336748. D82 (203A)
336708. D51	336749. D86 (1)
336709. D51 (7A)	336750. D86 (6)
336710. D51 (276)	336751. D86 (6A)
336711. D54 (1)	336752. D86 (7A)
336712. D54 (6A)	336753. D86 (8)
336713. D54 (7A)	336754. D87 (7A)
336714. D54 (203)	336755. D87(8)
336715. D54 (205)	336756. D87 (203+1)
336716. D54 (279+7A)	336757. D87 (203+6A)
336717. D55 (7A)	336758. D90
336718. D55 (8)	336759. D90 (1)
336719. D55 (205)	336760. D93
336720. D55 (264+1)	336761. D93 (7A)
336721. D55 (276)	336762. D93 (8)
336722. D58	336763. D93 (203+1)
336723. D58 (6)	336764. D97
336724. D58 (7A)	336765. D97 (1)
336725. D58 (8)	336766. D97 (6)
336726. D59	336767. D97 (6A)
336727. D59 (1)	336768. D101 (203)
336728. D59 (7A)	336769. D101 (205)
336729. D59 (203)	336770. D105 (6A)
336730. D59 (205)	336771. D105 (7A)
336731. D59 (264)	336772. D105 (8)
336732. D59 (279)	336773. D105 (203+1)
336733. D66 (1)	336774. D106 (6)
336734. D66 (6+203)	336775. D106 (6A)
336735. D66 (7A)	336776. D106 (8)
336736. D66 (8)	336777. D106 (203A+1)
336737. D70 (1)	336778. D106 (205+6A)
336738. D70 (6)	336779. D111
336739. D70 (205)	336780. D116 (264)

333283 to 336898—Continued**336653 to 336867—Continued**

336781.	D116 (276)	336822.	D154
336782.	D119	336823.	D154 (1)
336783.	D119 (7A)	336824.	D159
336784.	D120 (1)	336825.	D159 (203)
336785.	D120 (7A)	336826.	D159 (264+6)
336786.	D120 (205)	336827.	D159 (276)
336787.	D125	336828.	D159 (279)
336788.	D125 (7A)	336829.	D163
336789.	D125 (203)	336830.	D163 (1)
336790.	D125 (279)	336831.	D163 (6)
336791.	D130 (1)	336832.	D163 (6A)
336792.	D130 (6)	336833.	D166
336793.	D130 (7A)	336834.	D166 (205+7A)
336794.	D130 (205+6A)	336835.	D166 (264)
336795.	D130 (264+8)	336836.	D166 (276)
336796.	D137 (205)	336837.	D170 (203)
336797.	D137 (264)	336838.	D178 (203)
336798.	D137 (276)	336839.	D180 (203)
336799.	D138 (7A)	336840.	D180 (205+6A)
336800.	D138 (205)	336841.	D181 (203+1)
336801.	D139	336842.	D190 (203)
336802.	D139 (205)	336843.	D190 (205)
336803.	D141 (1)	336844.	D193 (276)
336804.	D141 (6)	336845.	D194
336805.	D141 (7A)	336846.	D194 (205)
336806.	D141 (8)	336847.	D194 (264+6)
336807.	D141 (205)	336848.	D194 (276)
336808.	D145	336849.	D197 (8)
336809.	D145 (6)	336850.	D197 (203+1)
336810.	D145 (7A)	336851.	D197 (276+8)
336811.	D145 (8)	336852.	D197 (279+7A)
336812.	D145 (203+1)	336853.	D202
336813.	D146 (6)	336854.	D202 (205)
336814.	D146 (6A)	336855.	D202 (264)
336815.	D146 (7A)	336856.	D202 (279)
336816.	D146 (8)	336857.	D203
336817.	D146 (203)	336858.	D203 (8)
336818.	D146 (203+1)	336859.	D203 (205+6A)
336819.	D150 (6)	336860.	D203 (276+8)
336820.	D153 (8)	336861.	D203 (279+7A)
336821.	D153 (276+6)	336862.	D206 (203)

333283 to 336898—Continued**336653 to 336867—Continued**

336863. D206 (203+1)	336866. D210 (205)
336864. D207 (1)	336867. D211
336865. D210 (203)	

336868 to 336894. AVENA BARATA var. WIESTII (Steud.) Hausskn. Gramineae.

336868. 8-2.	336882. 8-20.
336869. 8-3.	336883. 8-21.
336870. 8-4.	336884. 8-23.
336871. 8-5.	336885. 8-24.
336872. 8-6.	336886. 8-25.
336873. 8-7.	336887. 8-27.
336874. 8-8.	336888. 8-30.
336875. 8-9.	336889. 8-31.
336876. 8-10.	336890. 8-32.
336877. 8-11.	336891. 8-33.
336878. 8-12.	336892. 8-34.
336879. 8-16.	336893. 8-36.
336880. 8-17.	336894. 8-38.
336881. 8-19.	

336895 to 336898. AVENA LONGIGLUMIS Dur. Gramineae.

336895. 9-1.	336897. 9-3.
336896. 9-2.	336898. 9-4.

336899. ARACHIS PARAGUARIENSIS Chod. & Hassl. Leguminosae.

From Argentina. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Service, Tifton, Ga., and Experiment, Ga. Numbered Aug. 5, 1968.

Col. 330. Faculty of Agronomy and Veterinary, Genetics Garden, Corrientes. To 20 cm. high, erect, sparsely branched; leaves linear, coriaceous.

336900. ORYZA SATIVA L. Gramineae. Rice.

From Madagascar. Seed presented by the Director, Institute de Recherches Agronomiques a Madagascar, Tananarive. Numbered Aug. 5, 1968.

No. 803.

336901 to 336908.

From Brazil. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, Ga., and Experiment, Ga. Numbered Aug. 5, 1968.

336901. ARACHIS BENTHAMII Handro Leguminosae.

Col. 578. Mato Grosso State. Forty-two km. west of Rio Parana on BR-34. Perennial, tall, erect; roots fleshy, lateral.

336902 to 336906. ARACHIS HYPOGAEA L.

Mato Grosso State. Porto Murtinho on Paraguay river. Purchased in market.

336902. Col. 580. 'Porto Murtinho' mixture. Valencia and Spanish pod types. Testa flesh.

336901 to 336908—Continued**336902 to 336906—Continued**

336903. Col. 581. 'Porto Murtinho' mixture. Testa purple.
 336904. Col. 582. 'Porto Murtinho' mixture. Testa purple. Each seed from different pod.
 336905. Col. 583. 'Porto Murtinho' mixture. Testa wine.
 336906. Col. 584. Valencia and Spanish pods; testa dark purple.

336907. ARACHIS sp.

Col. 579. Mato Grosso State. Forty-two km. west of Rio Parana, BR-34. Single pod. Perennial, erect; single plants with fleshy tubers.

336908. TRIPSACUM sp. Gramineae.

Col. 561. Mato Grosso State. Eight km. west of Jardim, south of Aquidanana, enroute to Porto Murtinho. BR-34. Wet area. Two m. high. Most seed shed.

336909 to 336912.

From Iceland. Seed presented by Ransoknarstofun Landbunadarins, Reykjavik. Received Aug. 1, 1968.

336909. DESCHAMPSIA CAESPITOSA (L.) Beauv. Gramineae.
Tufted hairgrass.

'Snarrot'.

336910. FESTUCA RUBRA L. Gramineae. Red fescue.

'Storitfd'.

336911 and 336912. POA PRATENSIS L. Gramineae. Kentucky bluegrass.

336911. 'Lille Katla'.

336912. 'Stora Katla'. Mixed with *Rumex acetosella*.

336913 to 337049.

From Brazil. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Georgia. Numbered Aug. 1, 1968.

336913. AESCHYNOMENE sp. Leguminosae.

Col. 471. Sao Paulo State. Fifty m. from Atlantic coast, near Rio Juqueriqueri at Sao Jorge. Perennial 1.5 m. high, erect, branching.

336914 to 336983. ARACHIS HYPOGAEA L. Leguminosae.

Sao Paulo State. Faz. Pagador, Anderson-Clayton and Company, Presidente Prudente.

336914. Col. 518. 'Virginia 222'. Semispreading variety; 170 days maturity. Virginia type pods and seed. Introduced from Virginia under strain 'Virginia 222'.

336915. Col. 519. 'Tatu.' Testa red. Valencia. Cultivar commonly grown in production area centering on Presidente Prudente. Grown for oil.

Mato Grosso State. Central Market, Campo Grande.

336916. Col. 527. Testa red. Valencia.

336917. Col. 528. Testa flesh. Valencia.

336918. Col. 529. Testa flesh. Seed characters resemble Spanish.

336919. Col. 530. Testa red.

336920. Col. 531. Testa red.

336913 to 337049—Continued**336914 to 336983—Continued**

336921. Col. 532. Testa red.
336922. Col. 533. Testa red. Principal component of mixture in which P.I. 336923 was minor component.
336923. Col. 534. Testa flesh. Ten seed sorted from P.I. 336922.
336924. Col. 556. Mato Grosso State. Terenos (where pavement ends) west of Campo Grande on Route 33 to Aquidana. Testa red. Valencia.
- Sao Paulo State. Central Market, Campinas.
336925. Col. 585. Testa red.
336926. Col. 596. Testa red.
336927. Col. 587. Testa red.
- Sao Paulo State. Street Market, Campinas.
336928. Col. 588. Testa red.
336929. Col. 589. Testa red. From a different vendor.
336930. Col. 590. Testa red. From a different vendor.
- Sao Paulo State. Oilseeds Section, Institute of Agronomy, Campinas.
336931. Col. 635. Local name Correntino Blanco Comun. Origin Tucuman, Argentina. CIA 459, RCM 47.
336932. Col. 636. Origin Corrientes, Argentina. CIA 494, RCM 98.
336933. Col. 637. Origin Corrientes, Argentina. CIA 499, RCM 115.
336934. Col. 638. Origin Corrientes, Argentina. CIA 501, RCM 117.
336935. Col. 639. Local name Along Owone. Origin Boukoko, French Equatorial Africa. CIA 507, RCM 126.
336936. Col. 640. Local name Mone Zang. Origin Boukoko, French Equatorial Africa. CIA 510, RCM 129.
336937. Col. 641. Origin Corrientes, Argentina. CIA 511, RCM 130.
336938. Col. 642. Origin Corrientes, Argentina. CIA 512, RCM 131.
336939. Col. 643. Local name Cacahua Roja. Origin Valencia, Spain. CIA 513, RCM 133.
336940. Col. 644. Origin Formosa. CIA 535, RCM 167.
336941. Col. 645. Local name Cacahua. Origin Valencia, Spain. CIA 540, RCM 194.
336942. Col. 646. Local name Valencia. Origin Santiago, Chile. CIA 544, RCM 198.
336943. Col. 647. 'Mani M.A.'. CIA 545, RCM 199.
336944. Col. 648. Local name Yacundo. Origin Biukoko, French Equatorial Africa. CIA 548, RCM 211.
336945. Col. 649. Origin Entre Rios, Argentina. CIA 596, RCM 267.
336946. Col. 650. Origin market in Lima, Peru. CIA 642, RCM 404.
336947. Col. 651. Origin Paraguay. CIA 645, RCM 407.
336948. Col. 652. Origin Salta, Argentina. CIA 650, RCM 414.
336949. Col. 653. Origin Salta, Argentina. CIA 651, RCM 415.
336950. Col. 654. Origin market in Cochabamba, Bolivia. CIA 652, RCM 416.

336913 to 337049—Continued**336914 to 336983—Continued**

336951. Col. 655. 'Mani Valencia'. Origin Peru. CIA 653, RCM 417.
336952. Col. 656. Local name Yungas. Origin market in Cochabamba, Bolivia. CIA 656, RCM 420.
336953. Col. 657. From the cross: Negro-4 × Fla. 249-40-B3. CIA 658, RCM 601.
336954. Col. 658. From the cross: Negro-4 × Fla. 249-40-B3. CIA 659, RCM 602.
336955. Col. 659. From the cross: Toebam × Colorado. CIA 690, RCM 633.
336956. Col. 660. From the cross: Toebam × Colorado. CIA 695, RCM 638.
336957. Col. 661. Local name Tatu branco. Origin Presidente Predente, Sao Paulo, Brazil. CIA 772.
336958. Col. 662. Local name Paraguaio. Origin Rio Grande do Sul, Brazil. Seed testa red. CIA 849.
336959. Col. 663. Local name Paraguaio. Origin Rio Grande do Sul, Brazil. Testa dark colored. CIA 850.
336960. Col. 664. Local name Tatu gigante. Origin Dracena, Sao Paulo, Brazil. CIA 857.
336961. Col. 665. Local name Roxo. Origin Brazil. (No CIO number).
336962. Col. 666. Local name Tatu. Origin Secretary de Leguminosas, Instituto Agronomico, Sao Paulo, Brazil. CIA 53.
336963. Col. 667. H. 126-4. Instituto Agronomica, Intervarietal hybrid.
336964. Col. 668. H. 126-5. Intervarietal hybrid.
336965. Col. 669. H. 127-6 Intervarietal hybrid.
336966. Col. 670. H. 128-1 (Vermelho). Intervarietal hybrid.
336967. Col. 671. H. 128-1 (Claro). Intervarietal hybrid.
336968. Col. 672. H. 130-1. Intervarietal hybrid.
336969. Col. 673. Co. 3-1. Colchicine treated.
336970. Col. 674. Co. 6-1. Colchicine treated.
336971. Col. 675. Co. 8-6. Colchicine treated.
336972. Col. 676. Co. 9-3. Colchicine treated.
336973. Col. 677. Co. 11-7. Colchicine treated.
336974. Col. 678. Co. 11-12. Colchicine treated.
336975. Col. 679. Co. 30-33. Colchicine treated.
336976. Col. 680. Co. 39-4. Colchicine treated.
336977. Col. 681. Local name Paraguaí 1.
336978. Col. 682. Local name Nhambiquara.
336979. Col. 683. Local name Nhambiquara Stespeguenas.
336980. Col. 684. Selection from Roxo 80-1. Two-seeded pod collected from Roxo cultivar.
336981. Col. 685. Local name Tatu amarelo.
336982. Col. 686. Local name Overa. Origin Bolivia. Resistant to *Cercospora* leaf spot.

336913 to 337049—Continued**336914 to 336983—Continued**

336983. Col. 687. CIA V. 478.

336984 and 336985. ARACHIS VILLOSULICARPA Hoehne

Campinas Instituto Agronomico, Campinas.

336984. Col. 484. CIA V.44. Perennial from rootstocks. Bunch, tap-rooted; leaves glaucous, green. Pods of two kinds—with and without villous hairs.

336985. Col. 490. CIA V.862. Perennial. Plants bunch, erect. Cultivated by Indians in Mato Grosso.

336986 to 336989. CAJANUS CAJAN (L.) Millsp. Leguminosae.

Pigeon-pea.

336986. Col. 474. Sao Paulo State. Banks of Rio Juqueriqueri in Sao Jorge.

336987. Col. 505. Sao Paulo State. Institute de Pesquisas, IRI Experiment Station, Matao.

336988. Col. 514. Sao Paulo State. Presidente Prudente, 1 km. north-east of traffic circle, near picnic area.

336989. Col. 517. Sao Paulo State. Presidente Prudente, near traffic circle, highway from northeast of city. Shrubby tree.

336990 and 336991. CASSIA LATISTIPULA Benth. Leguminosae.

336990. Col. 464. Institute of Botany, Botanical Gardens, Sao Paulo. Stipules leaf size, large, prominent. Potential ornamental.

336991. Col. 503. Sao Paulo State. Institute de Pesquisas IRI Experiment Station, Matao. Palatable to cattle.

336992. CHLORIS DISTICHOPHYLLA Lag. Gramineae.

Col. 463. Institute of Botany, Botanical Gardens, Sao Paulo. Bunch-grass, 1 m. high; leaves fleshy. Has ornamental value.

336993. CICER ARIETINUM L. Leguminosae.

Chickpea.

Col. 602. Local name Grao Bico. Sao Paulo State. From vendor in Central Market, Campinas.

336994. CROTALARIA sp. Leguminosae.

Col. 468. Sao Paulo State. Near Porto Grande Hotel, Sao Sebastiao. To 0.9 m. high; stems woody; leaves dark green. Possible ornamental.

336995. CROTALARIA sp. *brachystachya* (Sum.) (?)

Col. 469. Sao Paulo State. Near Porto Grande Hotel, Sao Sebastiao. Plants 1 m. high, herbaceous. Pods indehiscent; seed tan.

336996. CROTALARIA sp. *incana* (Desf.) (?)

Col. 470. Sao Paulo State. Near Rio Juqueriqueri at Sao Jorge. To 2 m. high, herbaceous; stems fine; leaves fine.

336997. CROTALARIA sp. *incana*

Col. 511. Sao Paulo State. One hundred nine km. northeast of Presidente Prudente, on road to San Jose do Rio Preto. Plants to 0.9 m. high. Flowers yellow.

336998. CROTALARIA sp.

Col. 557. Mato Grosso State. Twelve km. west of Palmeira on Route 33. Plants 2 m. high. Stems herbaceous, erect; branches lateral; leaves small, trifoliate.

336913 to 337049—Continued

336913 to 337049—Continued

336999. *CROTALARIA* sp.

Col. 558. Mato Grosso State. Twelve km. west of Palmeira on Route 33. Plants 1 m. high; unifoliate; stems erect, herbaceous; flowers yellow.

337000. *CUCURBITA* sp. Cucurbitaceae.

Col. 601. Sao Paulo State. From vendor in Central Market, Campinas. Fruit 38 cm. by 20 cm., rind green.

337001. *DOLICHOS LABLAB* L. Leguminosae. Hyacinth-bean.

Col. 494. Sao Paulo State. Growing at Agronomy Experimental Farm, Instituto Agronomico, Campinas.

337002. *ERAGROSTIS TEF* (Zuccagni) Trotter Gramineae. Teff.

Col. 496. Sao Paulo State. Botanic Garden of the Institute of Botany, Sao Paulo.

337003. *INDIGOFERA SUFFRUTICOSA* Mill. Leguminosae. Anil indigo.

Col. 482. Sao Paulo State. Bank of Rio Juqueriqueri at Sao Jorge, near sea coast. Perennial, woody, to 2 m. high. Prolific seeder.

337004. *INDIGOFERA* sp.

Col. 515. Sao Paulo State. One hundred nine km. northeast of Presidente Prudente.

337005. *IPOMOEA* sp. Convolvulaceae.

Col. 466. Sao Paulo State. Hotel Porto Grande, Sao Sebastiao. Vines slender, creeping; leaves five-lobed, deeply cleft. Testa brown with lint.

337006. *IPOMOEA* sp.

Col. 497. Sao Paulo State. Institute of Botany, Sao Paulo.

337007. *LATHYRUS SATIVUS* L. Leguminosae. Grass peavine.

Col. 600. Local name Envilhas particlas. Sao Paulo State. From vendor in Central Market, Campinas.

337008. *LENS CULINARIS* Medic. Leguminosae. Lentil.

Col. 603. Local name Lentilhas. Sao Paulo State. From vendor in Central Market, Campinas.

337009. *LEUCAENA LEUCOCEPHALA* (Lam.) De Wit Leguminosae. Leadtree.

Col. 506. Sao Paulo State. IRI Experiment Station, Matao.

337010. *LUPINUS ALBUS* L. Leguminosae. White lupine.

Col. 599. Local name Tremoso. Sao Paulo State. From vendor in Central Market, Campinas.

337011. *MUCUNA DEERINGIANA* (Bort) Merr. Leguminosae. Deering velvetbean.

Col. 516. Sao Paulo State. Northeast of Presidente Prudente near traffic circle.

337012 and 337013. *PANICUM MAXIMUM* Jacq. Gramineae. Guineagrass.

337012. Col. 478. Sao Paulo State. Near Porto Grande Hotel, Sao Sebastiao. Bunchgrass. Stems coarse.

337013. Col. 512. Sao Paulo State. One hundred nine km. northeast of Presidente Prudente enroute to San Jose do Rio Preto. Tall; stems coarse. Growing as weed. Abundant along roadside.

336913 to 337049—Continued

337014. PASPALUM NICORAE Parodi Gramineae.

Col. 606. Rio Grande do Sul. On Experiment Station at Sao Gabriel.

337015 and 337016. PASPALUM NOTATUM Fluegge Bahiagrass.

337015. Col. 509. Sao Paulo State. Northeast of Presidente Predente at traffic circle. Broadleaf form.

337016. Col. 605. Rio Grande do Sul. At Bella Union. Low growing, narrow-leaf form.

337017. PASPALUM sp.

Col. 476. Sao Paulo State. Rio Juqueriqueri at Sao Jorge, 200 m. from Atlantic Ocean. Bunchgrass 2 m. high.

337018 to 337030. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

337018. Col. 536. Seed coat brown.

337019. Col. 537. Seed coat cream.

337020. Col. 538. Seed coat light brown.

337021. Col. 539. Mixed; seed coat cream, tan and light brown.

337022. Col. 540. Small, black.

337023. Col. 591. Sao Paulo State. Street Market, Campinas. Seed coat "Pintado".

Sao Paulo State. From vendors in Central Market, Campinas.

337024. Col. 592. Local name Feijao Opaco.

337025. Col. 593. Local name Roxtaho.

337026. Col. 594. Local name Feijao Branco.

337027. Col. 595. Local name Feijao Jallo.

337028. Col. 596. Local name Feijao Rosinha.

337029. Col. 597. Local name Feijao Preto (Florenta).

337030. Col. 598. Local name Feijao Rajodo Parana.

337031. PHASEOLUS sp.

Col. 477. Sao Paulo State. Near Porto Grande Hotel, Sao Sebastiao.

337032. PHASEOLUS sp.

Col. 465. Sao Paulo State. Sao Sebastiao. Across street from Porto Grande Hotel. Pods pubescent; seed small, black with white hilum.

337033. QUAMOCLIT sp. Convolvulaceae.

Col. 483. Sao Paulo State. Porto Grande Hotel, Sao Sebastiao. Vine, herbaceous; flowers red, tubular.

337034. RHYNCHOSIA sp. Leguminosae.

Col. 608. Rio Grande do Sul. Experiment Station, Sao Gabriel.

337035. SOLANUM PANICULATUM L. Solanaceae.

Col. 495. Local name Jurbeba. Sao Paulo State. Institute of Botany, Sao Paulo. Tree, shrubby, 3 m. high. Fruit 1.25 cm. diameter.

337036. SOLANUM sp. *palinaeanthum (Solan 41)*

Col. 541. Mato Grosso State. Thirty-nine km. west of Rio Parana on Route 34. Fruit yellow green, 25.25 mm. diameter; stems spiny, spines 0.125 mm. long.

336913 to 337049—Continued

337037. *STYLOSANTHES* sp. Leguminosae. *guyanensis* (Sum. 3)
Col. 508. Sao Paulo State. Presidente Prudente. A single, dwarf, leafy plant.
337038. *STYLOSANTHES* sp.
Col. 510. Sao Paulo State. Northeast of Presidente Prudente near traffic circle. Stems fine, leafy.
337039. *STYLOSANTHES* sp.
Col. 513. Sao Paulo State. One hundred nine km. northeast of Presidente Prudente.
337040. *TECOMA* sp. Bignoniaceae.
Col. 504. Sao Paulo State. IRI, Matao.
337041. *TRIPSACUM AUSTRALE* Cutler & E. Anders. Gramineae.
Col. 690. Sao Paulo State. Soil Conservation Section, Instituto Agronomico, Campinas.
- 337042 to 337044. *VIGNA SINENSIS* (Torner) Savi Leguminosae.
Common cowpea.
337042. Col. 472. Sao Paulo State. Near Porto Grande Hotel, Sao Sebastiao.
337043. Col. 473. Sao Paulo State. Sao Jorge. Vegetable garden.
337044. Col. 535. Mato Grosso State. Central Market, Campo Grande. Cream seed coat, black eye.
337045. *ZORNIA* sp. Leguminosae.
Col. 543. Mato Grosso State. Route 34, 232 km. west of Rio Parana.
337046. *ZORNIA* sp.
Col. 475. Sao Paulo State. At Sao Jorge, near Rio Juqueriqueri. To 76 cm. high.
337047. *ZORNIA* sp. *latifolia* (Sum 37)
Col. 507. Sao Paulo State. Northeast of Presidente Prudente at traffic circle. To 0.3 m. high. Plants mature. Leaves shed.
337048. *ZORNIA* sp. *diphylla* (Sum 37)
Col. 546. Mato Grosso State. Roadbank, 5 km. south of Campo Grande. Plant 0.6 m. high, erect; branches lateral, many.
337049. Undetermined. Bignoniaceae.
Col. 542. Mato Grosso State. Route 34 at "Tres Casas". Plants to 3 m. high, erect; branches few. Inflorescence 25 cm. to 38 cm. Flowers dark purple.
337050. *LESQUERELLA FENDLERI* Wats. Cruciferae.
From the United States. Seed collected by A. S. Barclay, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Aug. 5, 1968.
Col. 3030. Along Interstate Highway 25, 55 miles south of Socorro, Sierra County, N.M. Elevation 4,500 feet. Plants exceptionally robust, growing along roadsides; calcareous soil.
- 337051 to 337065.
From Czechoslovakia. Seeds presented by Research Institute for Plant Production, Prague-Ruzyně C. P. 507. Numbered Aug. 5, 1968.
337051. *MELICA UNIFLORA* Retz. Gramineae. Melic.
University Botanic Garden, Purkyniana, Brno.

337051 to 337065—Continued

- 337052.** *STIPA BARBATA* Desf. Gramineae.
Botanic Garden, Stadt Linz/Donau, Austria.
- 337053.** *STIPA BROMOIDES* (L.) Beck.
Botanical Garden, Hebrew University of Jerusalem, Israel.
- 337054 to 337056.** *STIPA CAPILLATA* L.
- 337054.** University Botanic Garden, Purkynianae, Brno.
- 337055.** Southern Moravia, Pavlovske kopce hills, on calcareous soil.
- 337056.** West Moravia, District Trebic, steppe near village Mohelno, on rocky soil.
- 337057.** *STIPA DASYPHYLLA* Czern. ex Trautv.
West Moravia, District Trebic, steppe near village Mohelno, on rocky soil.
- 337058.** *STIPA JOANNIS* Celak.
University Botanic Garden, Purkynianae, Brno.
- 337059.** *STIPA JOANNIS* var. *PUBERULA* Podp. & Suza
West Moravia, District Trebic, steppe near village Mohelno, on rocky soil.
- 337060.** *STIPA PENNATA* var. *LESSINGIANA* (Tr & Rupr.) Richter
University Botanic Garden, Purkynianae, Brno.
- 337061.** *STIPA PULCHERRIMA* K. Koch
West Moravia, District Trebic, steppe near village Mohelno, on rocky soil.
- 337062.** *STIPA PULCHERRIMA* var. *GALLICA* (Steven) Podp.
University Botanic Garden, Purkynianae, Brno.
- 337063.** *STIPA STENOPHYLLA* Cerniaev
University Botanic Garden, Purkynianae, Brno.
- 337064.** *STIPA TENACISSIMA* Jusl.
University Botanic Garden, Purkynianae, Brno.
- 337065.** *STIPA* sp.
Botanical Garden, Hebrew University of Jerusalem, Israel.

337066 to 337076. BETA VULGARIS L. Chenopodiaceae.**Sugar beet.**

From England. Seed presented by the Director, Plant Breeding Institute, Trumpington, Cambridge. Numbered Aug. 6, 1968.

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| 337066. 'Dire'. | 337072. 'P5'. |
| 337067. 'Dot'. | 337073. 'Q7416(P)/ET'. |
| 337068. 'Highsett'. | 337074. 'Stet/C'. |
| 337069. 'Hyena'. | 337075. 'Rat'. |
| 337070. 'Meth 3'. | 337076. 'Violet'. |
| 337071. 'Pet'. | |

337077 to 337100.

From Brazil. Seed collected June 1968 by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, Ga., and Experiment, Ga. All samples grown by Institute of Agronomy, Campinas, Sao Paulo State. Numbered Aug. 13, 1968.

337077 to 337100—Continued

337077. CAJANUS CAJAN (L.) Millsp. Leguminosae. Pigeon-pea.
Col. 611. Local name Fava larga.
337078. CANAVALLIA ENSIFORMIS (L.) DC. Leguminosae. Jack-bean.
Col. 619. Local name Feijao de perco.
337079. CENTROSEMA PUBESCENS Benth. Leguminosae.
Col. 620.
337080. CROTALARIA JUNCEA L. Leguminosae. Sunn-hemp.
Col. 621.
337081. CROTALARIA SPECTABILIS Roth Showy crotalaria.
Col. 618.
337082. CYAMOPSIS TETRAGONOLOBA (L.) Taub. Leguminosae. Guar.
Col. 625.
337083. DOLICHOS LABLAB L. Leguminosae. Hyacinth-bean.
Col. 624. Cultivar 697. Local name Lab-lab.
- 337084 and 337085. GLYCINE MAX (L.) Merr. Leguminosae. Soybean.
337084. Col. 623. 'Otootan'.
337085. Col. 634. Local name Soja Abura.
337086. GLYCINE WIGHTII (R. Grah. ex Wight & Arn.) Verdcourt
Col. 617.
337087. LATHYRUS SATIVUS L. Leguminosae. Grass peavine.
Col. 616. Local name Ervilhaca.
337088. LEUCAENA LEUCOCEPHALA (Lam.) De Wit Leguminosae. Leadtree.
Col. 622.
337089. LUPINUS ALBUS L. Leguminosae. White lupine.
Col. 613. 'Tremeco'.
- 337090 to 337097. PHASEOLUS VULGARIS L. Leguminosae. Common bean.
337090. Col. 626. 'Bico de Oure'.
337091. Col. 627. 'Frijao Creme'.
337092. Col. 628. 'Frijao Carioca'.
337093. Col. 629. 'Frijao Rosinha G-2'.
337094. Col. 630. 'Frijao Preto G-1'.
337095. Col. 631. 'Frijao Goiano Precoce'.
337096. Col. 632. 'Frijao Pintado'.
337097. Col. 633. 'Frijao Chumbinho opaco'.
337098. STIZOLOBIUM ATERRIMUM Piper & Tracy Leguminosae. Velvetbean.
Col. 612. Local name Mucuna preta.
337099. STIZOLOBIUM sp.
Col. 615. Local name Mucuna ana.
337100. TEPHROSIA CANDIDA DC. Leguminosae.
Col. 614.

337101 to 337131.

From Romania. Seed presented by Botanic Garden, University of Bucharest, Bucharest. Numbers refer to 1967 Botanic Garden catalog. Received Aug. 14, 1968.

337101. ANCHUSA ITALICA Retz. Boraginaceae. Italian bugloss.
No. 21.
337102. ANCHUSA OFFICINALIS L. Common bugloss.
No. 22.
337103. ANCHUSA PROCERA Bess. ex Link
No. 944.
- 337104 and 337105. BERTEROA INCANA Karsten Cruciferae.
337104. No. 1719.
337105. No. 1769.
337106. CEPHALARIA ALPINA Schrad. Dipsacaceae.
No. 105.
- 337107 and 337108. CEPHALARIA GRAECA Roem. & Schult.
337107. No. 106.
337108. No. 1216.
337109. CEPHALARIA TATARICA Schrad. Tatarian cephalaria.
No. 107. *abyssinica (Sum. 52)*
337110. CRAMBE ~~HISPANICA Linn.~~ Cruciferae.
No. 1205.
337111. ERYNGIUM CRETICUM Lam. Umbelliferae.
No. 1295.
337112. ERYNGIUM GIGANTEUM Bieb.
No. 1107.
- 337113 and 337114. ERYNGIUM PLANUM L.
337113. No. 688.
337114. No. 1797.
337115. HELICHRYSUM BRACTEATUM (Vent.) Willd. Compositae.
Strawflower.
No. 1428.
337116. LAPSANA GRANDIFLORA Bieb. Compositae.
No. 67.
337117. LITHOSPERMUM OFFICINALE L. Boraginaceae.
No. 945.
337118. MONARDA DIDYMA L. Labiat .e.
No. 1498.
337119. MONARDA FISTULOSA L. Wildbergamot.
No. 1499.
337120. PLANTAGO CORONOPUS L. Plantaginaceae.
No. 194.
337121. PLANTAGO CYNOPS L.
No. 193.

337101 to 337131—Continued**337122 and 337123.** PLANTAGO INDICA L.

337122. No. 997.

337123. No. 1776.

337124 and 337125. PLANTAGO LANCEOLATA L.

337124. No. 624.

337125. No. 1825.

337126. PLANTAGO PSYLLIUM L.

No. 626.

337127. PLANTAGO MARITIMA L.

No. 1253.

337128. PLANTAGO MAJOR L.

No. 625.

337129. SCABIOSA MARITIMA L. Dipsacaceae.

No. 1217.

337130. SCABIOSA STELLATA L.

No. 1218.

337131. SYMPHYTUM OFFICINALE L. Boraginaceae.

Comfrey.

No. 476.

337132 to 337136. VITIS VINIFERA L. Vitaceae.**European grape.**

From Argentina. Cuttings presented by Instituto Nacional de Tecnologia Agropecuaria, San Rafael, Mendoza. Received Aug. 15, 1968.

337132. 'San Juanina Rosada'. 337135. C.G. 1481.**337133.** C.G. 183. 337136. C.G. 4320.**337134.** C.G. 1475.**337137.** FRAGARIA (hybrid). Rosaceae.

From Scotland. Plant presented by the Scottish Horticultural Research Institute, Mylnefield, Invergowrie, by Dundee, Angus. Received Aug. 19, 1968.

'Seedling 53Q13'. Grown in the glasshouse, Mylnefield.

337138. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Scotland. Tubers received from Scotland via Branch Experiment Station Aberdeen, Idaho. Numbered Aug. 21, 1968.

'Marus-Piper'.

337139. AGAVE SISALANA Perrine ex Engelm. Amaryllidaceae.**Sisal.**

From Brazil. Bulbil presented by B. V. Skvortzov, Institute of Botany, Sao Paulo. Received Aug. 22, 1968.

From 10 m. stem.

337140 to 337156.

From Argentina. Seed presented by Jose H. Frecha, Instituto Nacional de Tecnologia Agropecuaria, Castelar. Received Aug. 22, 1968.

337140 to 337146. HORDEUM VULGARE L. Gramineae.

337140 to 337156—Continued

337140 to 337146—Continued

337140. Magnif 102. 67-18922. F₇ Malteria Heda 4 x Quinn. Resistant to Argentine races of *Puccinia hordei* and *Erysiphe graminis h.*

337141. Magnif 104. 67-18919. F₆ [(M.Heda4-Quinn) x (M.Heda4-Osiris C.I.1622)]. Resistant to Argentine races of *P. hordei* and *Rhynchosporium secalis*.

337142. Magnif 105. 67-18923. F₇ Malteria Heda4 x Osiris C.I. 1622. Resistant to Argentine population of *R. secalis* and *E. graminis h.*

337143. Magnif 128. 67-15098. Mutation of Malteria Heda. Resistant to Argentine races of *E. graminis h.*

337144. Magnif 131. 67-18921. F₇ Malteria4 x Osiris C.I. 1622. Resistant to Argentine races of *R. secalis* and *E. graminis h.*

337145. Magnif 132. 67-18917. F₆ Malteria Heda6 x Quinn. Resistant to Argentine races of *P. hordei*.

337146. Magnif 141. 68-91. F₆ [(M. Heda4-Quinn x M. Heda4-H. Epuyen) x (M. Heda4-Osiris x M. Heda4-H. Epuyen)]. Resistant to Argentine races of *P. hordei*, *R. secalis* and *Helminthosporium teres*.

337147 to 337156. TRITICUM AESTIVUM L. Gramineae. Common wheat.

Mutations of Sinvalocho M.A. Resistant to some Argentine races of *Puccinia graminis* and *P. recondita*.

337147. Magnif 96. 76-7229.

337148. Magnif 97. 67-7230.

337149. Magnif 98. 67-7233.

337150. Magnif 99. 67-7234.

337151. Magnif 100. 67-7231.

337152. Sinvalocho M.A. 67-7232. Sin Rival x 38 M.A.

Resistant to all Argentine races of *P. graminis tritici* and to some races of *P. recondita*.

337153. Magnif 101. 67-17300. F₇ Sinvalocho M.A. 4 x Kenya 350.

337154. Magnif 143. 67-17117. F₆ Pergamino Gaboto MAG4 x Egypt NA 101-Timstein.

337155. Magnif 144. 67-12945. F₇ El Gaucho F.A.6 x Egypt NA 101-Timstein.

337156. Magnif 142. 67-13057. F₇ [(F₂M.Guarani x Klein 1574) x (F₆ El Gaucho F.A.4 x Egypt NA 101-Timstein)].

337157. PHASEOLUS LUNATUS L. Leguminosae. Lima bean.

From Mexico. Seed collected in 1967 for H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Aug. 22, 1968.

Col. 22509. Telixtlahuaca, Oaxaca. Carriso thicket by arroyo. Elevation 5,700 feet. Perennial vine; leaves tomentose; flowers lavender; pods short, thick rounded, soft, turgid. Atypical of wild sievas.

337158 to 337166. VITIS VINIFERA L. Vitaceae. European grape.

From the Republic of South Africa. Cuttings presented by the University of Stellenbosch, Stellenbosch. Received Aug. 28, 1968.

337158. 'Barlinka—Clone 1'.

337159. 'Barlinka—Clone 2'.

337160. 'Bonnet de Retord—Clone 1'.

337158 to 337166—Continued

337161. 'Bonnet de Retord—Clone 2'.
 337162. 'Donzellinho do Gallego'.
 337163. 'Ferdinand de Lesseps—Clone 1'.
 337164. 'Ferdinand de Lesseps—Clone 2'.
 337165. 'Pinotage—Clone 1'.
 337166. 'Pinotage—Clone 2'.

337167 to 337278.

From England. Plants presented April 1967 by Sunningdale Nurseries, Windlesham, Surrey. Numbered Sept. 3, 1968.

337167. *ALCHEMILLA ALPINA* L. Rosaceae.
 337168. *ANAPHALIS TRIPLINERVIS* Sims ex C. B. Clarke Compositae.
 337169. *CHUSQUEA CULEOU* E. Desv. Gramineae.
 337170. *DIERAMA* sp. Iridaceae.
 337171. *EUCRYPHIA* × *NYMANSENSIS* Bausch Eucryphiaceae.
 337172. *ILEX AQUIFOLIUM* L. Aquifoliaceae. English holly.
 337173 to 337244. *RHODODENDRON* (hybrid). Ericaceae.
 337173. 'Agatha'. Ghent clone.
 337174. 'Aurore'. Mollis clone.
 337175. 'Babeuff'. Mollis clone.
 337176. 'Balzac'. Knap Hill grex.
 337177. 'Basilisk'. Knap Hill clone.
 337178. 'Beaulieu'. Knap Hill clone.
 337179. 'Berryrose'. Knap Hill clone.
 337180. 'Bijou des Amateurs'. Ghent clone.
 337181. 'Brazil'. Knap Hill clone.
 337182. 'Byron'. Rustica clone; syn. 'Garten Inspektor C. Ohrt'.
 337183. 'Cecile'. Knap Hill clone.
 337184. 'Chicago'. Mollis clone.
 337185. 'Christopher Wren'. L. J. Endtz and Company Clone; syn. 'Goldball'.
 337186. 'Colonel F. R. Durham'. Mollis clone.
 337187. 'Decus Hortonum'. Ghent clone.
 337188. 'Delicata'. Ghent clone.
 337189. 'Edison'. Ghent clone; *japonicum* × *gandavense*.
 337190. 'Emile'. Ghent clone.
 337191. 'Esmeralda'. Ghent clone; *japonicum* × *gandavense*.
 337192. 'Exbury Apricot'. Knap Hill clone.
 337193. 'Exbury Cream-yellow'. Knap Hill clone.
 337194. 'Exbury Pink No. 2'. Knap Hill clone.
 337195. 'Exbury White'. Knap Hill clone.
 337196. 'Exbury Yellow'. Knap Hill clone.
 337197. 'Exbury Yellow Blotch'.

337167 to 337278—Continued

337173 to 337244—Continued

337198. 'Firebrand'. Mollis clone.
337199. 'Fireflame'. Mollis clone.
337200. 'Firefly'. Knap Hill clone.
337201. 'Gallipoli'. Knap Hill clone.
337202. 'Gannet'. Knap Hill clone.
337203. 'General Trauff'. Ghent clone.
337204. 'George Reynolds'. Knap Hill clone.
337205. 'Gibraltar'. Knap Hill clone.
337206. 'Ginger'. Knap Hill clone.
337207. 'Golden Eye'. Knap Hill clone.
337208. 'Golden Horn'. Knap Hill clone.
337209. 'Graf Alfred von Niepperg'. Ghent clone.
337210. 'Harry White'. *Grex arboreum* var. *kermesinum* × 'Ascot Brilliant'.
337211. 'Heroine Plena'. Ghent clone.
337212. 'Highclere'.
337213. 'Hotspur'. Knap Hill clone.
337214. 'Hotspur Yellow'. Knap Hill clone.
337215. 'Hotspur Salmon-buff'. Knap Hill clone.
337216. 'Hugh Wormald'. Knap Hill clone.
337217. 'Ignea Nova'. Ghent clone.
337218. 'J. Jennings'. Knap Hill clone.
337219. 'Kathleen'. Knap Hill clone.
337220. 'Klondyke'. Knap Hill clone.
337221. 'Knighthood'. Knap Hill clone.
337222. 'Kosters 172'. Mollis clone.
337223. 'Kosters 174'. Mollis clone.
337224. 'Lady Rosebery'. Knap Hill grex.
337225. 'M. Merriman'.
337226. 'Mrs. L. J. Endtz'. Mollis clone.
337227. 'Nancy Buchanan'. Knap Hill clone.
337228. 'Norma'. Rustica clone.
337229. 'Oxydol'. Knap Hill clone.
337230. 'Penguin'. Knap Hill clone.
337231. 'Princess Juliana'. Mollis clone.
337232. 'Pucella'. Ghent clone; syn. 'Fanny'.
337233. 'Queen of England'. Ghent clone.
337234. 'Rosea Flava'. Ghent clone.
337235. 'Rouge Brique'. Ghent clone.
337236. 'Royal Lodge'. Knap Hill clone.
337237. 'Spinoza'. Mollis clone.

337167 to 337278—Continued**337173 to 337244—Continued**

337238. 'Standishi'. Ghent clone.
 337239. 'Strawberry Ice'. Knap Hill clone.
 337240. 'Tangerine'. Waterer Sons and Crisp Limited clone. Knap Hill clone.
 337241. 'Tessa'. Knap Hill clone.
 337242. 'Verschaffaltii'. Ghent clone.
 337243. 'Versicolor'. Ghent clone.
 337244. 'Willem III'. Ghent clone; syn. William III'.
 337245. RHODODENDRON AMAGIANUM (Makino) Maxim. ex Hara.
 337246. RHODODENDRON CONCATENANS Hutch.
 337247. RHODODENDRON × FRAGRANS Paxton
 337248. RHODODENDRON × GOWENIANUM Sweet
 337249 and 337250. RHODODENDRON JAPONICUM (Gray) Schneid.
Japanese azalea.
 337249. 'Clara Butt'. Mollis clone.
 337250. 'Emile Liebig'. Mollis clone.
 337251 to 337264. RHODODENDRON × KOSTERIANUM Schneid.
Koster azalea.

337251. 'Adriaan Koster'. Mollis clone.
 337252. 'Boskoop Beauty'. Mollis clone.
 337253. 'Directeur Moerlands'. Mollis clone.
 337254. 'Dr. M. Oosthoek'. Mollis clone.
 337255. 'Evening Glow'. Mollis clone.
 337256. 'Floradora'. Mollis clone.
 337257. 'Koningin Emma'. Mollis clone; syn. 'Queen Emma'.
 337258. 'Koster's Brilliant Red'. Mollis grex.
 337259. 'Mrs. A. E. Endtz'. Mollis clone.
 337260. 'Mrs. Peter Koster'. Mollis clone.
 337261. 'Multatuli'. Mollis clone.
 337262. 'Nicholaas Beets'. Mollis clone.
 337263. 'Spek's Brilliant'. Mollis clone.
 337264. 'Yellow Prince'. Mollis clone.
 337265. RHODODENDRON OBLONGIFOLIUM (Small) Millais
 337266 to 337272. RHODODENDRON OCCIDENTALE (Torr. & Gray) Gray
 337266. 'Delicatissima'. Occidentale clone.
 337267. 'Exquisita'. Occidentale clone.
 337268. 'Graciosa'. Ghent clone.
 337269. 'Irene Koster'. Ghent clone.
 337270. 'Primavera'. Ghent clone.
 337271. 'Rosea'. Ghent clone.
 337272. 'Superba'. Ghent clone.
 337273. RHODODENDRON PSEUDOCRYSANTHUM Hayata

337167 to 337278—Continued

337274. RHODODENDRON \times VISCOSEPALUM Rehd.

337275. RHODODENDRON VISCOSEPALUM var. DAVIESII (R. D. in Gard. Chron.) Rehder

Ghent clone.

337276. RHODODENDRON VISCOSUM var. GLAUCUM (Ait.) Torrey

337277. RHODODENDRON VISCOSUM var. NITIDUM (Pursh) Gray

337278. RHODODENDRON VISCOSUM f. RHODANTHUM Rehd.

337279. PRUNUS PERSICA (L.) Batsch Rosaceae. **Peach.**

From the Union of Soviet Republic. Budsticks presented by the Institute of Plant Industry, Leningrad. Received Sept. 3, 1968.

'Pauni'.

337280. PLATANUS ORIENTALIS L. Platanaceae.

Oriental plane tree.

From Greece. Seed presented by Botanical Garden of the University of Athens, Athens. Received Sept. 3, 1968.

337281 to 337283. TABEBUIA PENTOPHYLLA (L.) Hemsl. Bigno-
niaceae.

From Venezuela. Seed presented by Armando Mencia through the Agricultural Attache, American Embassy, Caracas. Received Sept. 3, 1968.

337281. No. 1. Fuchsia color.

337282. No. 2.

337283. No. 3.

337284. SOLANUM LACINIATUM Ait. Solanaceae.

From Hungary. Seed presented by National Institute of Agrobotany Taposzele.

No. 134/1968.

337285 to 337309.

From Brazil. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Received Sept. 3, 1968.

337285 to 337307. ARACHIS HYPOGAEA L. Leguminosae.

337285. Col. 366. Purchased in store at Porto Alegre Rio Grande do Sul. Valencia. Pods 2 to 4 segmented, very large; testa bright red.

From Armando Primo, Superintendent, Estacao Experimental de Forrageiras de Sao Gabriel, Rio Grande do Sul.

337286. Col. 370. Random sample of mixture commonly cultivated at the Experiment Station for many years. One seed per pod. For components of mixture see P.I. 337371 through 337376.

337287. Col. 371. Pods 2 segmented. Testa white.

337288. Col. 372. Pods 2 segmented; testa variegated flesh and white.

337289. Col. 373. Pods 2 or 3 segmented; testa wine. May be two types.

337290. Col. 374. Pods 1 to 4 segmented, testa dark purple, some faded, two or more types. Dominant component of P.I. 337286.

337285 to 337309—Continued**337285 to 337307—Continued**

337291. Col. 375. Pods 2 to 4 segmented, size and shape variable; testa bright red, second most prevalent testa color.
337292. Col. 376. Pods 2 segmented, differ in size and shape of seed; testa flesh, third most prevalent component. Minimum of two types.
337293. Col. 412. Random sample from P.I. 337286. Variation in wine testa expression.
337294. Col. 413. Selection from P.I. 337286. Two pods: pod "A", one seed, Spanish type, testa variegated white and tan; pod "B", 2 seed—(1) testa variegated white and tan; (2) testa flesh.
337295. Col. 414. Selection from P.I. 337286. Spanish pods; seed and testa flesh.
- Central Market in Porto Alegre, Rio Grande do Sul.
337296. Col. 377. Testa variegated red on white.
337297. Col. 378. Testa pink; old seed.
337298. Col. 379. Testa red.
337299. Col. 380. Pods mostly 4 segmented; testa flesh.
337300. Col. 381. Seed large; testa pink.
337301. Col. 382. Testa variegated red and white.
337302. Col. 383. Testa red.
337303. Col. 384. Local name Amendoim. Testa red. Seed longer than P.I. 337302.
337304. Col. 385. Testa red.
337305. Col. 386. Seed large; testa red.
337306. Col. 387. Pods large, strongly reticulated; testa flesh.
337307. Col. 388. Pods smooth; testa red.

337308. ARACHIS sp.

Col. 409. Antonina, Parana State. At Ponta da Pita, 6 km. from center of Antonina, 1 km. southwest of Port Administrative office. Site 20 m., both sides of street. Perennial, taprooted, prostrate, without rhizomes; no apparent adventitious roots at nodes. Taproots 6 inches deep in well-packed soil. Lateral roots originate 3 to 4 cm. below crown; well developed, to 38 cm. long; many nodules. Lateral roots horizontal. Main stem to 6 inches high, sparsely branched with slender laterals to 64 cm. long. Flowers yellow, fruits 1.0 to 1.5 cm. long, pericarp thin, testa tan. Plants resemble *Arachis repens* group but lack visible roots at nodes.

337309. ARACHIS sp.

Col. 411. Parana State. At Paranagua, Porto Dom Pedro II (Vila dos Portuarios) in lumberyard near railroad tracks. Site 75 or more m. diameter. Perennial, taprooted, prostrate, lacking rhizomes. Adventitious roots not found at nodes. Central stem to 15 cm. Lateral branches sparse. Primary branches creeping but not evidently rooted at nodes. Plants to 75 cm. diameter with few in protected area to 1 m. Leaves 4 foliate. Flowers not seen. Pods moderately small, 2 segments with isthmus from 0.5. to 2.5 cm. long. Pegs and fruits relatively scarce, some on very young plants. Pericarp thin, testa tan.

337310. SOLANUM LACINIATUM Ait. Solanaceae.

From New Zealand. Seed presented by Botany Division, Department of Scientific and Industrial Research, Christchurch. Received Sept. 3, 1968.

337311. COIX LACRYMA-JOBI L. Gramineae. Jobs-tears.

From Brazil. Seeds presented by B. V. Skvortzov, Secretaria da Agricultura, Instituto de Botanica, Sao Paulo. Received Sept. 4, 1968.

'Ma Yuen'. Origin Japan.

337312 to 337315. CHLORIS GAYNA Kunth Gramineae. Rhodesgrass.

From Kenya. Seed presented by E. Mwakha, Ministry of Agriculture and Animal Husbandry, The National Agricultural Research Station, Kitale. Received Sept. 4, 1968.

337312. K50198. 'Masaba'. Endebess at eastern foothill of Mt. Elgon.

337313. K50198. 'Nzoia'. Trans Nzoia District, Western Kenya.

337314. K50199. 'Alego'. Alego location on northern shores of Lake Victoria.

337315. K6120. 'Rongai'. Rongai area of Rift Valley.

337316 and 337317. ARACHIS HYPOGAEA L. Leguminosae.

From India. Seed presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Received Sept. 4, 1968.

337316. 'Big Japan'.

337317. 'Early Runner'.

337318 to 337323.

From England. Budsticks presented by the University of Bristol, Research Station, Long Ashton, Bristol. Received Sept. 4, 1968.

337318. CYDONIA OBLONGA Mill. Rosaceae.

Quince A.

337319 to 337322. MALUS SYLVESTRIS Mill. Rosaceae. Apple.

337319. M 26.

337321. MM 106.

337320. MM 104.

337322. MM 111.

337323. PRUNUS DOMESTICA L. Rosaceae. Common plum.

'St. Juliens-A'.

337324. ARACHIS HYPOGAEA L. Leguminosae.

From Australia. Seed presented by Division of Plant Industry Commonwealth Scientific and Industrial Research Organization, Canberra, A.C.T. Received Sept. 4, 1968.

Virginia Bunch-Selection 5. Originated from plant selected by A. Baikaloff, Field Officer, Peanut Marketing Board, Kingaroy.

337325 to 337329. ORYZA SATIVA L. Gramineae. Rice.

From India. Seed presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Received Sept. 5, 1968.

337325. Adt. 3.

337328. N-186.

337326. Culture 340.

337329. 'Suda'.

337327. N-22.

337330 to 337337. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Korea. Seed presented by Crop Experiment Station, Office of Rural Development, Suwon, through The Baker Castor Oil Company, Plainview, Texas. Received Sept. 5, 1968.

337330 to 337337—Continued

- | | |
|------------------------------|----------------------------|
| 337330. 'Andong'. | 337334. 'Paju'. |
| 337331. 'Chindo'. | 337335. 'Soonchun'. |
| 337332. 'Kimpo'. | 337336. 'Suwon'. |
| 337333. 'Kwangsan I'. | 337337. 'Whasoon'. |

337338. ORYZA SATIVA L. Gramineae. Rice.

From the Philippines. Seed presented by The International Rice Research Institute, Manila Hotel, Manila. Received Sept. 5, 1968.

IR510-11-3. FF-36 X B583A1-4X2.

337339. CELTIS AUSTRALIS L. Ulmaceae. European hackberry.

From Spain. Seed presented by Jardin Botanico, Plaza de Murillo 2, Madrid. Received Sept. 5, 1968.

337340 to 337361.

From Argentina. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, Ga., and Experiment, Ga. Received Sept. 5, 1968.

337340 to 337357. ARACHIS HYPOGAEA L. Leguminosae.

337340. Col. 202. Microcarpa type. On farm of Sr. Angel Dusso, Helvecia, Santa Fe Province, from very large stack (mound) harvested February 1968. Spanish. Pods small, 2 segmented, typical shape of United States cultivar 'Argentine' (P.I. 121070). Testa flesh. Pod size diminished over last 20 years. Grown at least two generations on this farm.

337341. Col. 203. Microcarpa type. Peanut area prior to culture in Cordoba. From farm of Sr. Angel Winkelman, Helvecia, Santa Fe Province. Spanish. Pods 2 segmented, typical shape of United States cultivar 'Argentine' (P.I. 121070). Testa flesh.

337342. Col. 204. Microcarpa type. Two km. north of Cayasta on Route 168A. From farm of Sr. Esteban Bonguan. Spanish. Pods 2 segmented, shape approximately that of United States cultivar 'Argentine' (P.I. 121070). Estimated to have been grown here since 1880, preceding "improved" varieties.

337343. Col. 205. Colonia Macias Experiment Station. Valencia. From yield test.

Department of San Luis del Palmar, Corrientes Province.

337344. Col. 336. From grower on Route 5. Valencia. Pods 2 to 4 segmented; reticulation variable; testa purple.

337345. Col. 337. From grower on Route 5. Valencia. Pods 2 to 4 segmented; size and shape variable; testa flesh to pink; seed size and shape variable.

337346. Col. 338. From grower on Route 5. Valencia. Testa wine or light wine. May be natural cross.

337347. Col. 339. From grower at junction of Routes 5 and 6. Valencia. Pod and seed size and shape variable. Pods 2 to 4 segmented; testa purple and/or wine. Mixture.

337348. Col. 340. From grower at junction of Routes 5 and 6. Valencia. Pod and seed size and shape variable. Pods 2 to 4 segmented; testa flesh, tan or pink.

337340 to 337361—Continued**337340 to 337357—Continued**

337349. Col. 341. At store "Almencar Jorcito", Paso Florentin, Department of General Paz, Corrientes Province. Pods 2 segmented, strongly ribbed, medium large; testa flesh. Larger than Spanish. Considered Virginia type by agronomist in Corrientes.

On Route 13, 18 km. from General Paz, Corrientes Province.

337350. Col. 342. Valencia. Pods mostly 2 segmented, some 3 segmented; testa purple. Mixture.

337351. Col. 343. Valencia. Pods 2 to 3 segmented; testa red. Mixture.

From grower Sr. Lorenzo Barrios, on Route 12, 5 km. north of Empedrado, Corrientes.

337352. Col. 347. Valencia. Pods 2 or 3 segmented; testa purple or wine.

337353. Col. 348. Local name Nuez. Seed large; testa variegated red and white. Late maturity. Different variety from P.I. 337352.

337354. Col. 350. Testa tan. Seed very large for tan-testa variety. Pods strongly ridged. Later maturity than Spanish. Mixture.

337355. Col. 351. Pods strongly ribbed; seed moderately large; testa red. Maturity later than Spanish. Mixture.

337356. Col. 352. Pods strongly ribbed; seed moderately large; testa flesh on white. Maturity not early. Mixture.

337357. Col. 353. Pods smaller than other components of mixture, usually 3 segmented; testa purple.

337358. ARACHIS PARAGUARIENSIS Chod. & Hassl.

Col. 331. Faculty of Agronomy and Veterinary, Genetics Garden, maintained by A. Krapovickas. Erect, taprooted; branches sparse; leaves leathery, lanceolate; pegs to 61 cm. long. Pods many, immature. Originally from Paraguay.

337359. ARACHIS sp.

Col. 326. AK 9841. Genetics Garden, Faculty of Agronomy and Veterinary. Original collection 54 km. north of Campo Grande. Perennial, erect, taprooted; to 51 cm. high; branches few; leaflets linear. Prolific seeder in sand. Clonal material number P.I. 338313.

337360. ARACHIS sp.

Col. 328. AK 12593. Faculty of Agronomy and Veterinary, Genetics Garden. Prostrate, taprooted; flowers orange, many. Seeds sprouting. Bristles in stipules.

337361. ARACHIS sp.

Col. 329. AK 12787. Faculty of Agronomy and Veterinary, Genetics Garden. Prostrate, matted, leaflets large, dark green; prolific seeder; flowers light yellow. Roots at nodes. Stolonerous. Originally from Brazil.

337362. ORYZA SATIVA L. Gramineae.**Rice.**

From Taiwan. Seed presented by Agricultural Research Institute, Taipei. Received Sept. 5, 1968.

Sh 30-21.

337363. CELTIS SPINOSA Spreng. Ulmaceae.

From Argentina. Seed presented by Instituto de Botanica Agricola, Castelar, Provincia De Buenos. Received Sept. 6, 1968.

337364. *TREVIA NUDIFLORA* L. Euphorbiaceae.

From India. Seed presented by the Indian Agricultural Research Institute, New Delhi. Received Sept. 6, 1968.

I.C. 58. Origin New Forest, Dehra Dun.

337365. *PRUNUS PERSICA* (L.) Batsch Rosaceae. Peach.

From Japan. Budsticks presented by the Horticultural Research Station, Ministry of Agriculture and Forestry, Hiratsuka. Received Sept. 12, 1968.

'Feitcheng-fu-Tao. Origin Kanagawa-ken.

337366 to 337371. *TRITICUM AESTIVUM* L. Gramineae. Common wheat.

From India. Seed presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Received Sept. 16, 1968.

337366. 'Choti Lerma (S331)'. 337369. 'Safed Lerma (S307)'.

337367. 'NP. 875'. 337370. 'Sona 227'.

337368. 'Penjamo 62'. 337371. 'Sonalika (S308)'.

337372 to 337432. *ARACHIS HYPOGAEA* L. Leguminosae.

From Argentina. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Received Sept. 16, 1968. Obtained from A. Krapovickas, Faculty of Agronomy and Veterinary, National University of the Northeast, Corrientes. Originally from Experiment Station, Caacupe, Paraguay.

337372. Col. 226. Local name Blanco Grande. FAV 24, 1968 plot 361.

337373. Col. 227. Local name Negro Grande. FAV 23, 1968 plot 362.

337374. Col. 228. Local name Colorado. FAV 26, 1968 plot 363.

337375. Col. 229. Local name Negrito. FAV 22, 1968 plot 364.

337376. Col. 230. P.I. 121070. FAV 25, 1968 plot 365.

337377. Col. 231. FAV 84, 1968 plot 371. Originally from Alfara, Tarra-gona Province, Spain.

337378. Col. 233. FAV 19, 1968 plot 373. Originally from Corrientes, San Luis del Palmar.

Originally from Corrientes City Market.

337379. Col. 232. FAV 67, 1968 plot 372.

337380. Col. 234. FAV 63, 1968 plot 374.

337381. Col. 235. FAV 62, 1968 plot 375.

337382. Col. 236. FAV 73, 1968 plot 376.

337383. Col. 237. FAV 57, 1968 plot 377.

337384. Col. 238. FAV 61, 1968 plot 379.

337385. Col. 239. FAV 56, 1968 plot 380.

337386. Col. 240. FAV 77, 1968 plot 381.

337387. Col. 241. FAV 81, 1968 plot 382.

337388. Col. 242. FAV 75, 1968 plot 383. Empedrado.

337389. Col. 243. FAV 68, 1968 plot 384.

337390. Col. 244. FAV 79, 1968 plot 385.

337391. Col. 245. FAV 71, 1968 plot 386.

337372 to 337432—Continued

337392. Col. 246. FAV 82, 1968 plot 387.
 337393. Col. 247. FAV 66, 1968 plot 388. Bella Vista.
 337394. Col. 248. FAV 78, 1968 plot 389.
 337395. Col. 249. FAV 58, 1968 plot 390. Paso Pesoa.
 337396. Col. 250. FAV 70, 1968 plot 391.
 337397. Col. 251. FAV 80, 1968 plot 392.
 337398. Col. 252. FAV 76, 1968 plot 393.

Originally from Morocco.

337399. Col. 253. 'White Spanish-32'. FAV 185, 1968 plot 406.
 337400. Col. 254. 'Sakaria-3'. FAV 186, 1968 plot 407.
 337401. Col. 255. 'Espangnole de Valence-37'. FAV 187, 1968 plot 408.
 337402. Col. 256. 'Bombay-1'. FAV 188, 1968 plot 409.
 337403. Col. 257. Selection 27 from Cuba 15,237. FAV 190, 1968 plot 411.
 337404. Col. 258. FAV 151, 1968 plot 413. Collected in Posadas, Misiones Province.

Collected in Paraguari, Paraguay.

337405. Col. 259. Local name Negrito. FAV 152, 1968 plot 415.
 337406. Col. 260. FAV 153, 1968 plot 416.

Collected in Yaguaron, Paraguay.

337407. Col. 261. Local name Colorado. FAV 154, 1968 plot 417.
 337408. Col. 262. Local name Negro. FAV 156, 1968 plot 418.
 337409. Col. 263. Local name Rosado. FAV 155, 1968 plot 419.
 337410. Col. 264. Local name Negro. FAV 156, 1968 plot 422.
 337411. Col. 265. Local name Amendoim-52. FAV 94, 1968 plot 426.
 Originally from Manfredi.

Originally from Sambra Sapke, Paraiba, Brazil.

337412. Col. 266. Local name Sape Roxo. FAV 171, 1968 plot 664.
 337413. Col. 267. Local name Havana. FAV 167, 1968 plot 666.
 337414. Col. 268. Local name Tatu. FAV 166, 1968 plot 669.
 337415. Col. 269. Local name Acre. FAV 170, 1968 plot 670.
 337416. Col. 270. Local name C.S. 4. FAV 164, 1968 plot 671.
 337417. Col. 271. Local name Roxo 40. FAV 168, 1968 plot 672.
 337418. Col. 272. Local name Roxo 54. FAV 162, 1968 plot 673.
 337419. Col. 273. Local name Tatui. FAV 160, 1968 plot 674.
 337420. Col. 274. Local name C.S. 8. FAV 161, 1968 plot 675.
 337421. Col. 275. FAV 192, 1968 plot 676. Originally from Joazeiro, Bahia, Brazil.
 337422. Col. 276. FAV 174, 1968 plot 680. (Originally from Sao Paulo). Collected in supermarket, Itaburia, Bahia, Brazil. Originally from Cruz das Almas, Bahia, Brazil (I.P.E.A.L.).
 337423. Col. 277. Local name Sassuare V.14. FAV 175, 1968 plot 683.
 337424. Col. 278. Local name Vagemlisa V.22. FAV 177, 1968 plot 684.
 337425. Col. 279. Local name Maranhao V.26. FAV 178, 1968 plot 685.

337372 to 337432—Continued

337426. Col. 280. Local name Sape Roxo V.27. FAV 179, 1968 plot 686.
 337427. Col. 281. Local name Paraiba Acu, V.108. FAV 180, 1968 plot 687.
 337428. Col. 282. Local name Saleval II. FAV 182, 1968 plot 689.
 337429. Col. 283. FAV 150, 1958 plot 694. Originally from Mexico City, Mexico, market.
 337430. Col. 284. FAV 158, 1968 plot 695. Originally from Lima, Peru.
 337431. Col. 285. Local name Negro Riachuelo. FAV 128, 1968 seed. Originally from Paso Pesoa, Corrientes.
 337432. Col. 286. Local name Blanco Palmar Grande. FAV 129, 1968 seed. Originally from Palmar Grande, Department Gral Pas, Corrientes.

337433 to 337441.

From the Union of Soviet Socialist Republics. Scions collected in 1967 by Howard J. Brooks, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Sept. 18, 1968.

- 337433 to 337436. *MALUS SYLVESTRIS* Mill. Rosaceae. **Apple.**
 337433. Col. B-59. About 20 km. south southwest of Stavropol, on forested plateau. Rainfall 500 mm. Elevation 600 m. Tree old, in abandoned orchard; fruit early, yellow green, nice finish, 6 cm. diameter, sour but edible.
 337434. Col. B-87. About 130 km. south of Stavropol, near Elycha, in area of Mt. Barahaka. Elevation 990 m. Fruit red, 5 cm. diameter, sweet, shaped like 'Red Delicious'. Best wild apple seen. Tree barely surviving.
 Dombay. Elevation 1,600 m. Forester's home orchard. Highest elevation where apples were found.
 337435. Col. B-94. Fruit to 6 cm. diameter, green, tart.
 337436. Col. B-113. Best tree in orchard. No fruit.
 337437 to 337441. *PYRUS COMMUNIS* L. Rosaceae. **Common pear.**
 337437. Col. B-53. About 20 km. south southwest of Stavropol, on forested plateau. Elevation 600 m. Rainfall about 500 mm. Tree large in open; fruit to 3.0 cm., ovate, moderate grit, astringent, early to ripen; stem 2.5 cm.
 About 20 km. south southwest of Stavropol, on forested plateau. Rainfall 500 mm. Elevation 600 m.
 337438. Col. B-61. Tree very large, in old abandoned orchard; best of pears; fruit 5 cm. diameter, pyriform, yellow, early, much grit, astringent; stem 3 cm.
 337439. Col. B-63. Tree extremely large, 56 cm. diameter; in old abandoned orchard. Fruit 4 cm. diameter, pyriform, yellow, showy calyx, very gritty, astringent; stem 5 cm.
 337440. Col. B-112. Thirteen km north of Teberda Resort, in open pastures. Tree very large; fruit ovate, yellow, small core, very astringent, no grit; stem 3 cm.
 337441. Col. B-114. Dombay. Elevation 1,600 m. In back of forester's home orchard. Tree 1.2 m. diameter, largest tree seen, estimated 24 m. high. No fruit.

337442 and 337443. CYDONIA OBLONGA Mill. Rosaceae. **Quince.**

From Australia. Plants presented by Balhannah Nurseries, Balhannah. Numbered Sept. 18, 1968.

337442 and 337443—Continued

337442. 'Pineapple'.

337443. 'Smyrna'.

337444 to 337448. PYRUS COMMUNIS L. Rosaceae.**Common pear.**

From the Union of Soviet Socialist Republics. Scions presented by All-Union Institute of Plant Industry, Leningrad. Received Sept. 18, 1968.

'Rousselet of Stuttgart'. (Russelet Shtutgartskii × Dr. J. Gujo).

337444. No. II.

337447. No. VIII.

337445. No. V.

337448. No. IX.

337446. No. VII.

337449 to 337451. DOLICHOS LABLAB L. Leguminosae.**Hyacinth-bean.**

319607
From Zambia. Seed presented by W. C. Verboom, Department of Agriculture, Lusaka. Received Sept. 18, 1968.

337449. No. 1. Black seed.

337450. No. 2. Brown seed.

337451. No. 3. White seed.

337452 to 337459. ARACHIS HYPOGAEA L. Leguminosae.

From Argentina. Seed presented by Jose R. Pietrarelli, Estacion Experimental Agropecuaria, Manfredi. Received Sept. 18, 1968.

337452. Manfredi Virginia 1. (N.C. 329-1-1m).

337453. Manfredi Virginia 2. (N.C. 314-3-2m).

337454. Manfredi Virginia 3. (N.C. 314-3-2 (1 a 15)).

337455. Manfredi Virginia 4. (Florigiant).

337456. Manfredi Virginia 5. (Fla. 416-2).

337457. Manfredi Virginia 6. (N.C. 2).

337458. Manfredi Virginia 7. (N.C. 340-3-2m).

337459. Manfredi Selection. A.C. 333 (N.C. 5).

337460 to 337507.

From Brazil. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, Ga., and Experiment, Ga. Received Sept. 18, 1968.

337460 and 337461. AXONOPUS COMPRESSUS (Swartz) Beauv. Gramineae.
Tropical carpetgrass.

337460. Col. 404. Fifteen km. north of Caxias do Sul, Rio Grande do Sul.

337461. Col. 445. Near rain forest south of Itajai, Santa Catarina. Broad-leaved form.

337462. AXONOPUS sp.

Col. 444. Near rain forest south of Itajai. Santa Catarina. Heavily grazed area.

337463. AXONOPUS sp.

Col. 458. Forty-five km. east of Curitiba, toward Antonina, Parana. Elevation 850 m. To 30 cm. high; sod forming.

337460 to 337507—Continued

337464. BRACHIARIA sp. Gramineae.

Col. 446. Near rain forest south of Itajai, Santa Catarina.

337465. CALLIANDRA sp. Leguminosae.

Col. 406. From Botanic Garden, University of Sao Leopoldo, Sao Leopoldo, Rio Grande do Sul.

337466. CASSIA sp. Leguminosae.

Baccharis folia. (Sum. 3)

Col. 452. Paranagua, Parana. Vine; stems fine.

337467 and 337468. CICER ARIETINUM L. Leguminosae.

Chickpea.

337467. Col. 398. Central market, Porto Alegre, Rio Grande do Sul.

337468. Col. 449. Super market in Curitiba, Parana.

337469. DESMODIUM sp. Leguminosae.

distortum (Sum. 37)

Col. 405. Ten km. north of Rio do Sul, Santa Catarina. Plants 0.9 m. high, erect.

337470. DESMODIUM sp.

canum (Sum. 37)

Col. 439. Route 116, 346 km. southwest of Sao Paulo, Parana. Vine growing on rocky cliff; stems 0.9 m. long; prostrate.

337471. DESMODIUM sp.

Col. 440. Route 116, 346 km. southwest of Sao Paulo, Parana. Plant tall, erect; long taproot; branches sparse; leaves 2.54 cm. diameter.

337472. DESMODIUM sp.

Col. 441. Route 116, 346 km. southwest of Sao Paulo, Parana. Perennial vine; stems purple pink; leaves 2.54 cm. diameter.

337473. DESMODIUM sp.

Col. 442. Route 116, 346 km. southwest of Sao Paulo, Parana. Prostrate vine growing on rocky cliff, 15 cm. high; stems and leaves fine; flowers purple.

337474. DESMODIUM sp.

canum (Sum. 37)

Col. 453. Paranaqua, Parana.

337475. GOSSYPIUM PERUVIANUM Cav. Malvaceae.

Col. 455. Antonina, Parana. Perennial.

337476. IPOMOEA CARICA (L.) Sweet Convolvulaceae.

Col. 407. From Botanic Garden, University of Sao Leopoldo, Sao Leopoldo, Rio Grande do Sul.

337477. IPOMOEA sp.

Col. 402. Twenty-nine km. north of Rio do Sul, Santa Catarina. Flowers white.

337478. IPOMOEA sp.

Col. 403. Three km. south of Apiuna, Santa Catarina. Vine; leaves narrow, deeply lobed; flowers white.

337479. IPOMOEA sp.

Col. 447. At Society of Jesus Seminary, Bursque, Santa Catarina. Plants vigorous; roots pink, enlarged, apparently edible; seed black, without pubescence.

337480 to 337482. LENS CULINARIS Medic. Leguminosae.

Lentil.

337480. Col. 389. Central market, Porto Alegre, Rio Grande do Sul.

Super market in Curitiba, Parana.

337460 to 337507—Continued**337480 to 337482—Continued**

337481. Col. 450.

337482. Col. 451.

337483. MUCUNA DEERINGIANA (Bort) Merr. Leguminosae.**Deering velvetbean.**

Col. 401. From Botanic Garden, University of Sao Leopoldo, Sao Leopoldo, Rio Grande do Sul. Grown as ornamental.

337484. PASPALUM NICORAE Parodi Gramineae.

Col. 436. East side of river bridge at Rosario do Sul, Rio Grande do Sul.

337485. PASPALUM NOTATUM Fluegge**Bahiagrass.**

Col. 435. Confluence of Rio Uruguay and Rio Quarai.

337486. PASPALUM sp.

Col. 400. Roadside seven km. north of Rio do Sul, Santa Catarina. Bunchgrass, 1.2 m. high; leafy.

337487. PASPALUM sp.

Col. 437. Sao Gabriel, Rio Grande do Sul.

337488. PASPALUM sp. *plicatulum* (Burm 37)

Col. 456. Eighteen km. northeast of Curitiba, Parana, enroute Sao Paulo.

337489. PASPALUM sp.

Col. 457. Eighteen km. northeast of Curitiba, Parana, enroute Sao Paulo. To 13 cm. high; sod forming.

337490. PASPALUM sp.

Col. 459. Forty-nine km. east of Curitiba, Parana. Elevation 800 m.

337491. PASPALUM sp.

Col. 460. Forty-nine km. east of Curitiba, Parana. Elevation 800 m.

337492. PENNISETUM SPICATUM (L.) Willd. Gramineae. Pearl millet.

Col. 438. Sao Gabriel, Rio Grande do Sul. Grown many years in this area.

337493 to 337502. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

Market in Porto Alegre, Rio Grande do Sul.

337493. Col. 367. Testa black.

337494. Col. 368. Testa white with pink.

337495. Col. 369. Testa cream.

Central market, Porto Alegre, Rio Grande do Sul.

337496. Col. 390.

337497. Col. 391. Testa white.

337498. Col. 392. Testa pink.

337499. Col. 393. Testa black

337500. Col. 394. Testa gray.

337501. Col. 395. Testa gray.

337502. Col. 396. Testa black.

337503. SOLANUM sp. Solanaceae.

Col. 448. Km. 50, enroute from Itajai, Santa Catarina. Plants to 46 cm. high; spines on stems and leaves; fruits yellow, 1.6 cm. diameter.

337460 to 337507—Continued**337504.** *STYLOSANTHES* sp. Leguminosae.

Col. 443. Port area, Paranagua, Parana. Plant 60 cm. high, stemmy; leaves few.

337505. *STYLOSANTHES* sp.

Col. 454. Paranagua, Parana. Plant erect, leafy; branches 38 cm. high; stems small.

337506. *VIGNA SINENSIS* (Torner) Savi Leguminosae. Common cowpea.

Col. 397. Central market, Porto Alegre, Rio Grande do Sul. Testa tan.

337507. *ZORNIA* sp. Leguminosae.

Col. 363. Near Km.144, 14 km. east of Uruguaiana on road to Alegrete, Rio Grande do Sul.

337508 to 337601.

From Argentina. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Received Sept. 20, 1968.

337508. *ANDROPOGON LATERALIS* Nees Gramineae.

Col. 418. Botanic Garden, Northeast National University, Corrientes. Two m. high. Dominant grass in sandy soils throughout Province.

337509. ~~*ANDROPOGON* sp.~~ *Bothriochloa edwardsiana*

Col. 99. Roadside, Route 20, at Villa Carlos Paz, Cordoba Province.

337510. ~~*ANDROPOGON* sp.~~ *Bothriochloa cf. alta*

Col. 189. From Rafaela Experiment Station, Rafaela. Plants bunch, 1.3 m. high.

337511. *ANDROPOGON* sp.

Col. 209. Near Route 313, 4 km. west of Colonia Mascias, Santa Fe Province.

337512. *ARUNDO DONAX* L. Gramineae. Giantreed.

Col. 320. KM. 49 on Route 126, Entre Rios Province.

337513. *AXONOPUS SUFFULTUS* (Trin.) Parodi Gramineae Carpetgrass.

Col. 192. Rafaela Experiment Station. Originally collected near railroad in Rafaela. Bunchgrass, to 76 cm. high, erect; foliage tough.

337514. *BRACHIARIA BRIZANTHA* (Hochst.) Stapf Gramineae. Palisade signalgrass.

Col. 302. Instituto Nacional de Tecnologia Agropecuaria El Sombrero, Corrientes Province.

337515. *BRACHIARIA PLATYPHYLLA* (Griseb.) NashCol. 198. Rafaela Experiment Station growing as weed in *Agropyron* plots. Plants to 3 m. high.**337516.** *BROMUS RIGIDUS* Roth Gramineae. Ripgut brome.

Col. 311. From A. G. Schulz, Instituto Nacional de Tecnologia Agropecuaria, Colonia Benitz, Chaco Province.

337517 and 337518. *BROMUS UNIOLOIDES* HBK.**337517.** Col. 193. Growing at Experiment Station, Rafaela. Originally collected by George Fossati at Colonia Mascias, along roadside. Two-year stand; 30 percent protein. Reseeds well. Yields 1,200 kg/ha. Resistant to ergot.

337508 to 337601—Continued

337517 and 337518—Continued

337518. Col. 313. From A. G. Schulz, Instituto Nacional de Tecnologia Agropecuaria, Colonia Benitz, Chaco Province. Ecotype common to Chaco area.

337519 and 337520. CAJANUS CAJAN (L.) Millsp. Leguminosae. Pigeon-pea.

Forage test plots, Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province.

337519. Col. 288. Plot 1. Perennial, 3 m. high, erect, woody; late flowering.

337520. Col. 289. Plot 2. Perennial, 3 m. high, erect, woody; flowers yellow, late.

337521. CAJANUS FLAVUS DC.

Col. 290. Forage test plots, Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province. Perennial, erect, branching, woody, 3.3 m. high; late maturing.

337522 and 337523. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.

On Route 5, 30 km. east of Corrientes City, Corrientes.

337522. Col. 433.

337523. Col. 434.

337524. CAPSICUM sp.

Col. 432. Five km. northeast of General Paz, Corrientes Province. Plants glabrous; single; fruits 4 mm. diameter, 7 mm. long. Flower white.

337525. CASSIA OCCIDENTALIS L. Leguminosae. Senna.

Col. 296. Road bank along Route 12 near arroyo Rio Chuela. To 1.2 m. high; branches spreading; prolific seeder.

337526. CASSIA ROTUNDIFOLIA Pers.

Col. 292. Plot 32, forage test plots, Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province. Perennial, prostrate, somewhat viny; stems fine.

337527. CHLORIS POLYDACTYLA (L.) Swartz Gramineae.

Col. 304. Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province. Stems leafy, coarse; stoloniferous with new plants forming at internodes.

337528. CHLORIS RETUSA Lag.

Col. 211. Twenty km. southwest of San Javier. Bunchgrass 1.5 m. high; very leafy; stems coarse.

337529. CHLORIS sp. *distichophylla* (Swartz)

Col. 100. Villa Carlos Paz, Cordoba Province. Ornamental grass growing on dry rocky soil, to 102 cm. high; leaves wide, fleshy.

337530. CHLORIS sp. *antieria*

Col. 210. Near Route 313, west of Colonia Mascias, Santa Fe Province. Bunchgrass, 0.9 m. high; growing in association with *Spartina*.

337531. CHLORIS sp. *gayana*

Col. 423. Botanic Garden, Northeast National University, Corrientes. Stoloniferous.

337508 to 337601—Continued

337532. *DESMODIUM RIEDELI* (Schindl.) Burkart Leguminosae.

Col. 287. Plot 3, forage test plots, Instituto Nacional de Tecnologia Agropecuaria, El Sombrito, Corrientes Province. Perennial, woody, erect, 1.8 m. high. Native.

337533. *DESMODIUM* sp.

Col. 294. Near entrance to Instituto Nacional de Tecnologia Agropecuaria, Belle Vista, Corrientes Province. Low growing, leafy. Growing on red clay soil in association with *Paspalum* spp.

337534. *DOLICHOS BIFLORUS* L. Leguminosae. Twinflower dolichos.

Col. 225. Growing as ornamental vine on patio of San Martin Hotel, La Paz.

337535. *DOLICHOS LABLAB* L. Hyacinth-bean.

Col. 345. Botanic Garden, Northeast National University, Corrientes. Vine covering trellis 3.6 m.; flowers purple to white; fruits 4 to 5 seeded, immature.

337536. ~~*HEMARTHRA* sp.~~ *Coelochachis* sp. (Sum. 51) Gramineae.

Col. 199. Rafaela Experiment Station. Bunchgrass to 1.2 m. high. Native.

337537. *HYPARRHENIA RUFA* (Neese) Stapf Gramineae. Jaragua grass.

Col. 310. From A. G. Schulz, Instituto Nacional de Tecnologia Agropecuaria, Colonia Benitz. Bunchgrass, tall.

337538. *INDIGOFERA* sp. *microcarpa*. (Sum. 37) Leguminosae.

Col. 309. Roadside of Route 27, 8 km. north of Esquina, Corrientes Province. Plant prostrate, viny; stems fine, leafy. Heavily grazed, trampled.

337539. *INDIGOFERA* sp. *diffusicaeva*. (Sum. 37)

Col. 430. Ten km. northeast of General Paz, Corrientes Province. Perennial shrub, woody, to 1.2 m. high.

337540. *INDIGOFERA* sp. *microcarpa*. (Sum. 37)

Col. 431. General Paz, Corrientes Province. Prostrate vine.

337541. *IPOMOEA* sp. Convolvulaceae.

Col. 321. Arroyo Rio Chuelo bridge, old Route 12, Corrientes Province.

337542. *IPOMOEA* sp.

Col. 358. Route 12 at Rio Empedrada, Corrientes Province. Viny plant on road bank.

337543. *IPOMOEA* sp.

Col. 429. Growing in fence bordering Genetic Garden, Faculty of Agriculture and Veterinary, Northeast National University, Corrientes Province. Wild plant.

337544. *LEPTOCHLOA CHLORIDIFORMIS* (Hack.) Parodi Gramineae.

Sprangletop.

Col. 314. From A. G. Schulz, Instituto Nacional de Tecnologia Agropecuaria, Colonia Benitz, Chaco Province.

337545. *LEPTOCHLOA VIRGATA* (L.) Beauv.

Sprangletop.

Col. 421. From Botanic Garden, Northeast National University, Corrientes.

337546 and 337547. *MANISURIS SELLOANA* (Hack.) Kuntze Gramineae.

337508 to 337601—Continued

337546 and 337547—Continued

337546. Col. 427. Ten km. west of San Javier, Santa Fe Province.

337547. Col. 428. On Route 20, 23 km. south of Bella Vista, Corrientes Province. Plant prostrate, small, 20 cm. high, with short rhizomes.

337548. OCIMUM NEUROPHYLLUM Briq. Labiatae.

Col. 426. From Botanic Garden, Northeast National University, Corrientes.

337549. ORYZA SATIVA L. Gramineae.

Rice.

Col. 217. 'Ibera'. selection. Colonia Mascias, Instituto Nacional de Tecnologia Agropecuaria, Santa Fe Province.

337550. PANICUM DICHOTOMIFLORUM Michx. Gramineae. Fall panicgrass.

Col. 316. From A. G. Schulz, Instituto Nacional de Tecnologia Agropecuaria, Colonia Benitz, Chaco Province.

337551 and 337552. PANICUM MAXIMUM Jacq. Gramineae. Guineagrass.

337551. Col. 300. Forage test plots, Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province. Stems coarse.

337552. Col. 315. 'Pasto'. From A. G. Schulz, Instituto Nacional de Tecnologia Agropecuaria, Colonia Benitz, Chaco Province.

337553. PANICUM *sp. virgatum (sum. 37)*

Col. 196. Rafaela Experiment Station. Plants erect, to 1 m. high. New plants coming from rhizomes.

337554. PAPPOPHORUM *sp. Gramineae. pappiferum (sum 37)*

Col. 201. KM.243 on Route 19, in vicinity of Rio Primero. Bunchgrass to 1.2 m. high. Dominant species in area.

337555 and 337556. PASPALUM ALCALINUM Mez Gramineae.

337555. Col. 195. Rafaela Experiment Station. Dense, sodforming grass. Stolons long.

337556. Col. 312. From A. G. Schulz, Instituto de Tecnologia Agropecuaria, Colonia Benitz, Chaco Province.

337557. PASPALUM BOSCIANUM Fluegge

Col. 190. Rafaela Experiment Station. Dense bunchgrass, to 1.2 m. high; foliage tough.

337558. PASPALUM CONJUGATUM Berg

Col. 425. Botanic Garden, Northeast National University, Corrientes. Rhizomatous; to 51 cm. high.

337559. PASPALUM GUENOARUM Arech.

Col. 298. Forage test plots, Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province. Bunchgrass, to 1.2 m. high; stem and leaves coarse.

337560 and 337561. PASPALUM LIVIDUM Trin. ex Schlecht.

337560. Col. 197. Rafaela Experiment Station. Stoloniferous, sod forming, to 0.9 m. high; stems coarse.

337561. Col. 318. From A. G. Schulz, Instituto Nacional de Tecnologia Agropecuaria, Colonia Benitz, Chaco Province.

337562 and 337563. PASPALUM NICORAE Parodi

337562. Col. 293. Road ditch, Route 20 at entrance to Instituto Nacional de Tecnologia Agropecuaria, Belle Vista, Corrientes Province. Perennial, prostrate, sod forming, rhizomatous, to 51 cm. high.

337508 to 337601—Continued**337562 and 337563—Continued**

337563. Col. 308. Thirty-seven km. south of Goya on Route 27, Corrientes Province. Perennial, prostrate, rhizomatous. Growing in moist sandy soil in road ditch.

337564 to 337579. PASPALUM NOTATUM Fluegge Bahiagrass.

337564. Col. 200. Rafaela Experiment Station. Broad-leaved, prostrate form.

337565. Col. 212. Helvecia, Santa Fe Province. Farm of Angel Dusso.

337566. Col. 213. Cayasta, Santa Fe Province. Bank of Rio San Javier, at original site of Santa Fe.

337567. Col. 214. Cayasta, Santa Fe Province. Along Route 168A. Farm of Esteban Bonguan.

337568. Col. 215. Fifteen km. southwest of San Javier, Santa Fe Province. Small, narrow-leaf form.

337569. Col. 216. Route 72S, one km. south of Cacique Ariacaiquin, Santa Fe Province. Intermediate form.

Berduc Island, in Parana river, east of Santa Fe, Santa Fe Province.

337570. Col. 219. Similar to 'Pensacola' bahigrass.

337571. Col. 220. Narrow-leaf form. Similar to 'Pensacola' bahiagrass.

337572. Col. 221. Narrow-leaf form, with three spikes.

337573. Col. 22. Plants with 4 spikes.

337574. Col. 223. Plants with 4 or 6 spikes common.

337575. Col. 305. Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province. Spikes very long, curved.

337576. Col. 306. Route 27, 5 km. north of San Isidro, Corrientes Province.

337577. Col. 307. Arroya Vega, Route 27, south of Esquira.

337578. Col. 360. East bank of Rio Mirinay, 50 km. northwest of Paso do los Libres, Corrientes Province. Similar to 'Pensacola' bahiagrass.

337579. Col. 361. At Paso Rosario crossing of Rio Mirinay, 50 km. northwest of Paso do los Libres, Corrientes Province.

337580 to 337584. PASPALUM PLICATULUM Michx. Brownseed paspalum.

337580. Col. 191. Rafaela Experiment Station. From collection of George Fossati. Bunchgrass, 1 m. high. Drought resistant.

Forage test plots, Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province.

337581. Col. 297. Plot 36.

337582. Col. 29. Plot 34.

337583. Col. 317. From A. G. Schulz, Instituto Nacional de Tecnologia Agropecuaria, Colonia Benitz, Chaco Province.

337584. Col. 415. Botanic Garden, Northeast National University, Corrientes. Originally collected in Corrientes Province. Common but not a major species. Grows in association with *P. nicorae*.

337585. PASPALUM ROJASII Hack.

Col. 303. Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province. Bunchgrass, leaves coarse; 5 to 6 spikes.

337508 to 337601—Continued

337586. PASPALUM sp.

Col. 417. Botanic Garden, Northeast National University, Corrientes. Bunchgrass, to 1.2 m. high.

337587. PASPALUM sp.

Col. 420. Botanic Garden, Northeast National University, Corrientes.

337588. PENNISETUM FRUTESCENS Leeke Gramineae.

Col. 194. Rafaela Experiment Station. From collection of George Fosati. Plants 1.5 m. high. Erect, stemmy bunchgrass.

337589 and 337590. PHASEOLUS VULGARIS L. Leguminosae. Common bean.

337589. Col. 97. Pole type. Testa pink on white.

337590. Col. 98. Pole type. Testa black.

337591. PHASEOLUS sp.

Col. 291. Plot 24 at Instituto Nacional de Tecnologia Agropecuaria, Corrientes Province. Perennial, viny; stems fine; foliage dense, trifoliolate.

337592. POA PILCOMAYENSIS Hack. Gramineae.

Col. 319. From A. G. Schulz, Instituto Nacional de Tecnologia Agropecuaria, Colonia Benitz, Chaco Province.

337593. RICINUS COMMUNIS L. Euphorbiaceae Castorbean.

Col. 224. At Arroya Las Conchas on Route 126, 25 km. northeast of Parana. Plants 1.2 m. high; foliage dark green; fruiting near ground.

337594. SCHIZACHYRIUM sp. Gramineae.

Col. 416. Botanic Garden, Northeast National University, Corrientes.

337595. SESBANIA sp. Leguminosae. *craspedata* (Sw.) 37

Col. 295. Arroya Rio Chuelo, south of Corrientes City, Corrientes Province, on Route 12. Plants 2.4 m. high, erect; branches sparse.

337596. SETARIA SPHACELATA (Schum.) Stapf & Hubb. ex M. B. Moss Gramineae. Millet.

Col 301. Instituto Nacional de Tecnologia Agropecuaria, El Sombrerito, Corrientes Province. Leafy form; stems fine.

337597. SOLANUM SISYMBRIFOLIUM Lam. Solanaceae.

Col. 344. On Route 12, 10 km. south of Corrientes. To 1.2 m. high; thorns or spines 1.27 cm. long. Fruits red, 2 cm. diameter. Edible.

337598. TRICHLORIS PLURIFLORA Fourn. Gramineae.

Col. 424. Botanic Garden, Northeast National University, Corrientes. Bunchgrass, to 1.2 m. high.

337599. VERNONIA CHAMAEDRYIS Less. Compositae.

Col. 419. Botanic Garden, Northeast National University, Corrientes. Perennial shrub, woody, to 1.2 m. high.

337600. VERNONIA sp.

Col. 359. Rio Impedrado, Corrientes Province. Shrub, to 1 m. high, branching, woody.

337601. ZORNIA sp. Leguminosae.

Col. 356. Route 27, at Rio Mirinay (Paso Rosario), between Mercedes and Paso de los Libres. Perennial, low-growing; flowers yellow, surrounded by bracts; fruits spiny. Leaf bifoliolate, glabrate.

337602. ZOYSIA sp. Gramineae.

From Costa Rica. Stolons collected by A. J. Oakes, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Sept. 24, 1968.

Col. 793. Los Diamantes Experiment Station. Prostrate form. Probably does not require mowing.

337603. TRIPSACUM LATIFOLIUM Hitch. Gramineae.

From Costa Rica. Canes collected by A. J. Oakes, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Sept. 27, 1968.

Col. 794. IICA, Turrialba. Plants 3 to 4 m. Canes leafy, 2 to 3 cm. at base.

337604 and 337605. TRITICUM AESTIVUM L. Gramineae.

Common wheat.

From England. Seed presented by the Rothwell Plant Breeders Limited, Grimsby, Lincolnshire. Received Sept. 30, 1968.

337604. 'Mildress'.

337605. 'Rothwell Sprite'.

337606. BRACHIARIA DECUMBENS Stapf Gramineae.

From Costa Rica. Stolons collected by A. J. Oakes, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received Oct. 1, 1968.

Col. 796. Los Diamantes Experiment Station. Sodgrass, roots at lower nodes. Height 60 to 70 cm.

337607 and 337608. FRAGARIA (hybrid). Rosaceae.

From Scotland. Plants presented by the Scottish Horticultural Research Institute, Mylnefield, Invergowrie, Angus. Received Oct. 1, 1968.

337607. 60 CE 5.

337608. 61 J 31.

337609. PRUNUS PERSICA (L.) Batsch Rosaceae.

Peach.

From Argentina. Seed presented by the Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Agropecuaria Mendoza, Mendoza. Received Oct. 1, 1968.

Wild. Used for rootstock by local nurseries.

337610. ACTINIDIA CALLOSA var. FORMOSANA Finet & Gagnep. Actinidiaceae.

From Taiwan. Seed presented by Botany Department, National Taiwan University, Taipei. Received Oct. 1, 1968.

Huang 4805. Lishan, Taichun. Elevation 1,500 m. Fruits oblong-obovate, green, turning brownish at maturity; 1.3 cm. to 3.8 cm. long, to 2.0 cm. in diameter. Scurfy, but free of hairs. Seeds small.

337611. AMARANTHUS sp. Amaranthaceae.

From Uganda. Seed collected December 1967 by L. V. Peters, Crops Research Division, United States Department of Agriculture, Serere Experiment Station, Soroti. Received Oct. 2, 1968.

Col. P-273. Kitoba market.

337612. SORBUS AUCUPARIA L. Rosaceae.**European mountain-ash.**

From the United States. Seed collected by Quentin Jones, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Oct. 2, 1968. 1968.

Col. 68011. Five miles southwest of Sappho along United States Route 101, Clallam County, Washington. Tree to 40 feet high; leaves odd pinnate; fruit showy, persistent, varying from yellow orange to deep red.

337613 to 337617. HIBISCUS ROSA-SINENSIS L. Malvaceae.**Chinese hibiscus.**

From Australia. Plant material presented by Hibiscus Park Nursery, Warriewood, New South Wales. Numbered Oct. 2, 1968.

337613. 'Black Beauty'. To 6 feet high. Vigorous. Flowers single, 9 inches diameter, rich claret red. Flowers on second year wood, blooms profusely if left unpruned.

337614. 'Bruceii'. To 7 feet high, hardy. Flowers single, 7 inches diameter, bright gold, white eye.

337615. 'Cameo Queen'. To 5 feet high, hardy. Flowers single, 8 inches diameter, overlapped, pale lemon.

337616. 'Mrs. Tomkins'. To 5 feet high, hardy. Flowers single, 8 inches diameter, pastel pink.

337617. 'Surf Rider'. To 5 feet high, very prolific, prostrate. Flowers 10 inches diameter, gold with red eye.

337618 and 337619. RHODODENDRON (hybrid). Ericaceae.

From the United States. Selections made at United States Plant Introduction Station, Glenn Dale, Md. Numbered Oct. 2, 1968.

337618. 'Ben Morrison'. Azalea to 3 feet high; dense, twiggy; leaves medium green, dull, semi-evergreen; flowers single to 3 inches across in clusters, ground color Empire Rose with showy blotch of Tyrian Rose, petal margins irregularly white. Mid to late May. Hardy at Glenn Dale, Md.

337619. 'Mrs. LBJ'. Azalea to 3 feet high; leaves medium green, shiny on new growth; flowers hose-in-hose, nearly double, wavy margins to 3 inches across in clusters of 2 or 3, white. Late May. Hardy at Glenn Dale, Maryland.

337620. PENNISEUM PURPUREUM Schum. Gramineae.**Elephantgrass.**

From Costa Rica. Canes collected by A. J. Oakes, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Oct. 4, 1968.

Col. 798. Acc. No. 66.004 IICA, Turrialba. Originally from Panama. Canes 3 to 5 m. high, 1 to 2 cm. in diameter at base.

337621 to 337641.

From Zambia. Seed collected by J. Anton-Smith, Chief Research Officer, Mount Makulu Research Station, Chilanga. Received Oct. 7, 1968.

337621. *BAIKIAEA PLURJUGA* Harms Leguminosae. **Rhodesian teak.**
Tree. Flowers pink.

337622. *BAISSEA WULFHORSTII* Schinz Apocynaceae.
Climbing. Flowers white, scented. Grown in coarse sandy soil.

337623. *BARLERIA MATOPENSIS* S. Moore Acanthaceae.
Shrub to 3 feet high. Flowers white.

337621 to 337641—Continued

337624. *BAUHINIA PERTERSIANA* Bolle. Leguminosae.

Tree. Flowers white.

337625. *CROSSANDRA PUBERULA* Klotzsch Acanthaceae.

Herb. Flowers orange.

337626 to 337628. *CROSSANDRA SPINESCENS* Dunkley

337626. Flowers scarlet.

337627. From Kenya. Flowers lemon yellow.

337628. From Zambia. Flowers yellow.

337629. *DIRICHLETIA PUBESCENS* Klotzsch Rubiaceae.

. Shrubby tree to 6 feet high. Flowers silver, odd. Seed old.

337630. *DOMBEYA* sp. Sterculiaceae.

Shrub to 6 feet high. Flowers small, white.

337631. *GARDENIA* sp. Rubiaceae.

Shrub to 3 feet high. Flowers white, very nice.

337632. *HOLARRHENA FEBRIFUGA* Klotzsch Apocynaceae.

Tree small. Flowers white, scented.

337633. *MONECHMA DEPAUPERATUM* C. B. Clarke Acanthaceae.

Perennial, herbaceous, to 18 inches high. Flowers white.

337634. *OTOMERIA ELATIOR* (A. Rich.) Verdcourt Rubiaceae.

Shrub, perennial, to 3 feet high. Flowers scarlet. Grows in damp places.

337635. *PENTAS NOBILIS* S. Moore Rubiaceae.

Shrub Flowers white. Drought resistant.

337636. *PSEUDERANTHEMUM TUNICATUM* (Afel.) Milne-Redhead
Acanthaceae.

To 18 inches high. Flowers purple. Needs shade.

337637. *PTEROCARPUS* sp. Leguminosae.

Tree. Flowers yellow.

337638. *STICTOCARDIA BERAVIENSIS* Hallier f. Convolvulaceae.

Climber. Flowers orange trumpet.

337639. *STICTOCARDIA* sp.

From Durban. Climbing. Flowers large, scarlet trumpet 2¼ in. diameter.

337640. *TYLOSEMA FASSOGLENSIS* (Kotschy) Torre & Hillc. Leguminosae.

Climbing *Bauhinia*. Flowers yellow, 3 inches diameter.

337641. Undetermined.

To 2 feet high. Flowers maroon; roots tuberous. Dry areas.

337642 to 337651. *TRITICUM AESTIVUM* L. Gramineae.

Common wheat.

From Afghanistan. Seed presented by the United States Operation Mission to Afghanistan, Kabul. Received Oct. 3, 1968.

337642. 'Alaulin'.

337645. 'Mouri'.

337643. 'Dendan Fil'.

337646. 'Padkhab Luger'.

337644. 'Melani White Paktu'.

337647. 'Rana Zeba'.

337642 to 337651—Continued

337648. 'Safidcha'.

337650. 'Surkhcha Pajhmani'.

337649. 'Surkhcha'.

337651. 'Surkhcha White Geardis'.

337652. BROMUS BENEKENII (Lange) Trimen Gramineae.

From the United States. Plants grown at National Plant Materials Center, Soil Conservation Service, Beltsville, Md. Numbered Oct. 31, 1968.

Component of P.I. 251806. Originally from Italy.

337653 to 337666.

From Panama. Seed collected by A. J. Oakes, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Oct. 14, 1968.

United Nations Food and Agriculture Organization, Panama City. Samples originally from commercial sources in Australia, except as noted.

337653. *DESMODIUM UNCINATUM* (Jacq.) DC. Leguminosae.

Col. 780.

337654. *DOLICHOS AXILLARIS* E. Mey. Leguminosae.

Col. 774.

337655. *DOLICHOS LABLAB* L.

Hyacinth-bean.

Col. 776.

337656. *DOLICHOS UNIFLORUS* Lam.

Col. 779.

337657. *GLYCINE WIGHTII* (R. Grah. ex Wight & Arn.) Verdcourt Leguminosae.

Col. 775

337658. *LOTONONIS BAINESII* Baker Leguminosae.

Col. 777.

337659 to 337661. *PANICUM MAXIMUM* Jacq. Gramineae. Guineagrass.

337659. Col. 773. Local name Indiana. Collected along highway, 20 km. south of Panama City. Leaf height 1 to 2 m.; head height 3 m.

337660. Col. 784. 'Coloniao'.

337661. Col. 786.

337662. *PANICUM MAXIMUM* var. *TRICHOGLUME* Eyles Green panicgrass.

Col. 785.

337663. *PHASEOLUS ATROPURPUREUS* Moc. & Sesse ex DC. Leguminosae.

Col. 781.

337664. *SETARIA SPHACELATA* (Schum.) Stapf & Hubb. ex M. B. Moss Gramineae.

Col. 783. 'Kazunqala'.

337665. *STYLOSANTHES GUYANENSIS* (Aubl.) Swartz Leguminosae.

Col. 782. 'Stylo'.

337666. *STYLOSANTHES HUMILIS* HBK.

Col. 778.

337667 to 337690. SORGHUM BICOLOR (L.) Moench Gramineae.

From Ethiopia. Seed presented by College of Agriculture, Haile Selassie I University, Alemaya to K. O. Rachie, Rockefeller Foundation, New York, N. Y. Numbered Oct. 14, 1968.

1967 Advanced Observation Nursery.

337667 to 337690—Continued

337667. SAO Row No. 3.
 337668. SAO Row No. 6.
 337669. Col. R-358. Row No. 4. 'Eja Hara'. Dedesa Valley, Wollega Province.
 337670. Col. R-359. Row No. 5. 'Aba Luchar'. Dedesa Valley, Wollega Province.
 337671. Col. R-362. Row No. 55. Large, white head, crooked neck. Damota Valley, Sidamo Province.
 337672. Col. R-364. Row No. 52. 'Maschanka'. Damota Valley, Sidamo Province.

1967 Alemaya-Debre Zeit Collection.

337673. Col. R-45. Row No. 51.
 337674. Col. R-350. Row No. 102. Kobo, Harar Province.
 337675. Col. R-354. Row No. 105. Arbereket, Harar Province.
 337676. Col. R-418. Row No. 18. Kersa, Harar Province.
 337677. Col. R-419. Row No. 19. Kersa, Harar Province.
 337678. Col. R-425. Row No. 25. Asebe Teferi, Harar Province.
 337679. Col. R-426. Row No. 26. Arbereket, Harar Province.
 337680. Col. R-427. Row No. 27. Dengogo, Harar Province.
 337681. Col. R-428. Row No. 28. Hirna, Harar Province.
 337682. Col. R-436. Row No. 36. Kobo, Harar Province.
 337683. Col. R-444. Row No. 44. Hirna, Harar Province.
 337684. Col. R-447. Row No. 47. Debesso, Harar Province.
 337685. Col. R-450. Row No. 50. Dengogo, Harar Province.
 337686. Col. R-457. Row No. 57. Arbereket, Harar Province.
 337687. Col. R-469. Row No. 69. Hirna, Harar Province.
 337688. Col. R-470. Row No. 70. Kersa, Harar Province.
 337689. Col. R-481. Row No. 81. Arbereket, Harar Province.
 337690. Col. R-490. Row No. 90. Hirna, Harar Province.

337691 to 337693. SACCHARUM (hybrid) Gramineae.

Sugarcane.

From Mexico. Cuttings presented by the Instituto para el Mejoramiento, Balderas. Received Oct. 14, 1968.

337691. Mex 56-139.
 337692. Mex 58-1893.
 337693. Mex 60-1459.

337694 to 337704.

From Ethiopia. Seed collected October-November 1967 by B. M. Leese, Crops Research Division, United States Department of Agriculture, Beltsville, Md., and K. O. Rachie, Rockefeller Foundation, New York, N. Y. Numbered Oct. 15, 1968.

337694 to 337703. *SORGHUM BICOLOR* (L.) Moench Gramineae.

337694. Col. 148-B. Seven kms. north of Robi, Shoa Province. Elevation 1,200 m. Leafy; glumes sienna.

337694 to 337704—Continued**337694 to 337703—Continued**

337695. Col. R-37. Gori, Illubabor Province. Elevation 1,974 m. Seed medium; mixed white pearly and light red pearly; excellent quality.

Tessenei, Societe Imprese Africane.

337696. Col. R-116A. Local name Adamayu. Head medium short, very compact, globose to obovate, clustered; glumes short, purple and tan; seed medium, semiglobose. Durra type.

337697. Col. R-141. Head medium, compact to very compact, cylindrical to lanceolate, clustered; glumes short, mahogany; seed medium, reddish yellow, semiglobose. Durra type.

337698. Col. R-142. Head long and large, compact, cylindrical, semi-clustered; glumes medium, mahogany and tan; seed medium large, yellow, semiglobose. Durra type.

337699. Col. R-143. Head medium small, very compact, ovate, clustered; glumes short, purple; seed medium long to medium, awns white, semiglobose. Durra type.

337700. Col. R-144. Head medium, very compact to compact, short-cylindrical, clustered; glumes medium small, sienna and tan; seed medium small, reddish yellow, globose. Durra type.

337701. Col. R-145. Local name Mugud. Head large, very compact to compact, obovate, clustered; glumes short, mahogany; seed large, reddish yellow. Durra type.

337702. Col. R-187. Local name Wad'Akr. Homera Region. Head large, semicompact, cylindrical to lanceolate, clustered; glumes medium short, dark purple; seed medium large, white, turtleback.

337703. Col. R-440. Head ovate, seed clustered, semicompact, 18 cm. long; glumes $\frac{1}{2}$ of seed, brown, short awns; seed medium small, broadly ovate, reddish light brown.

337704. TRITICUM AESTIVUM L. Gramineae. Common wheat.

Col. R-67. Market, Debre Berhain, Shoa Province. Purple pigmented seed with slight mixture of normal red.

✱ **337705 to 337713.** TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Colombia. Seed presented by Mario Zapata B. Instituto Colombiano Agropecuario, Bogota. Numbered Oct. 15, 1968.

337705. 'Bonza 63'. **337710.** 'Miramar 63'.

337706. 'Crespo 63'. **337711.** 'Napo 63'.

337707. 'ICA-Samaca 68'. **337712.** 'Tiba 63'.

337708. 'ICA-Sugamuxi 68'. **337713.** 'Tota 63'.

337709. 'ICA-Zipa 68'.

✱ **337714.** IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.

From the United States. Plants propagated by R. P. Kahn, Plant Quarantine Division, United States Plant Introduction Station, Glenn Dale, Md. Numbered Oct. 18, 1968.

Virus free normal size plants produced from P.I. 308200 by heat therapy and tip propagation.

337715 to 337717.

From the Netherlands. Seed presented by A. C. Zeven, Institute of Plant Breeding, Wageningen. Received Oct. 21, 1968.

337715 to 337717—Continued

337715 and 337716. AVENA SATIVA L. Gramineae. Common oats.

337715. 'Major'.

337716. 'Marino'.

337717. HORDEUM VULGARE L. Gramineae.

'Urania'.

337718. PHALARIS ARUNDINACEA L. Gramineae.

Reed canarygrass.

From the United States. Seed grown at National Plant Materials Center, Soil Conservation Service, Beltsville, Md. Numbered Oct. 21, 1968.

Contaminant of P.I. 314103. Originally from Soviet Union.

337719. ERAGROSTIS CURVULA (Schrad.) Ness Gramineae.

Weeping lovegrass.

From the United States. Plants grown at National Plant Materials Center, Soil Conservation Service, Los Lunas, N. M. Numbered Oct. 21, 1968.

Component of P.I. 276033. Origin South Africa.

337720 to 337722. FRAGARIA (hybrid). Rosaceae.

From Sweden. Plants presented by the Balsgard Fruit Breeding Institute, Kristianstad. Received Oct. 21, 1968.

337720. 'Kristina'.

337721. F 2615.

337722. F 2617.

337723. SCHIMA SUPERBA Gard. & Champ. Theaceae.

From Hong Kong. Seed presented by the Department of Botany, University of Hong Kong. Received Oct. 22, 1968.

337724 to 337987.

From Canada. Seed presented by Central Experimental Farm, Canada Department of Agriculture, Ottawa. Numbered Oct. 22, 1968.

337724 to 337773. AVENA BARBATA Pott ex Link Gramineae. Slender oats.

From Turkey.

337724. CW 62-4. Sixty-eight km. south of Izmir.

337725. CW 72-4. Kemalpasha.

337726. CW 89-4. Halfway between Klaraovo and Bodrum.

From Greece.

337727. CW 99-4. Athens Akropolis, Attica.

337728. CW 103-4. Thirty km. east of Cornith, Attica.

337729. CW 109-4. Keratea, Attica.

337730. CW 120-4. Edessa, Macedonia-Thrace.

337731. CW 122-4. Naousa, Macedonia-Thrace.

337732. CW 123-4. Iraklion, Crete.

337733. CW 124-4. South of Iraklion, Crete.

337734. CW 125-4. Ten km. south of Iraklion, Crete.

337735. CW 130-4. Pirgos, Crete.

337724 to 337987—Continued**337724 to 337773—Continued**

337736. CW 131-4. Five km. north of Timbaki, Crete.

From Italy.

337737. CW 157-4. Six km. southeast of Bari.

337738. CW 163-4. Ten km. northeast of Taranto.

337739. CW 169-4. Gioia.

337740. CW 185-4. Rome—Old Via Appia.

From Sicily.

337741. CW 188-4. Capaci.

337742. CW 197-4. Cammarata.

337743. CW 204-4. Twenty km. east of Agrigento.

337744. CW 208-4. Seventeen km. east of Gela.

337745. CW 215-4. Francofonte.

337746. CW 224-4. Mt. Etna base.

From Libya.

337747. CW 240-4. Fuehat, Cyrenaica.

337748. CW 243-4. Al Guarsha, Cyrenaica.

337749. CW 250-4. Tika, Cyrenaica.

337750. CW 254-4. Abdul Atti, Cyrenaica.

337751. CW 268-4. Farzaugha, Cyrenaica.

337752. CW 281-4. Tammina, Tripolitania.

337753. CW 285-4. Tarhuna, Tripolitania.

337754. CW 288-4. Al-Rgiaaat, Tripolitania.

From Tunisia.

337755. CW 293-4. Mateur.

From Sardinia.

337756. CW 294-4. Sixteen km. southwest of Cagliari.

337757. CW 300-4. Monastir.

337758. CW 307-4. Northeast of Oristano.

337759. CW 315-4. Twenty-three km. west of Olbia.

From Corsica.

337760. CW 317-4. Just west of Ajaccio.

337761. CW 322-4. Casamozza.

337762. CW 324-4. Santo Pietro di Tenua.

337763. CW 325-4. St. Storunt.

From Algeria.

337764. CW 327-4. Misserghin.

337765. CW 332-4. Bouisville.

337766. CW 334-4. Ain El Turk.

337767. CW 339-4. Bou-Ster.

337768. CW 343-4. Kristel.

337769. CW 347-4. Sassel.

337724 to 337987—Continued**337724 to 337773—Continued**

337770. CW 350-4. Three km. east of Oran, Sassel.
 337771. CW 351-4. West of Sidi Bel Abbas.
 337772. CW 359-4. Tangier, Morocco.
 337773. CW 362-4. On the Rock, Gibraltar.

337774 to 337799. AVENA HIRTULA Lag.

From Turkey

337774. CW 64-2. Ephesos.
 337775. CW 70-2. Two km. below peak, Ephesos.
 337776. CW 86-2. Forty-five km. south of Soke at ruins.
 337777. CW 87-2. Soke-Greek/Roman ruins.
 337778. CW 91-2. Eight km. west of Bodrum.
 337779. CW 92-2. Karaova.
 337780. CW 94-2. Mugla-Aydin, near Milas.
 337781. CW 95-2. Aydin.

From Greece.

337782. CW 127-2. Pirgos, Crete.
 337783. CW 128-2. Pirgos, Crete.
 337784. CW 130-2. Pirgos, Crete.
 337785. CW 131-2. Five km. north of Timbaki, Crete.
 337786. CW 137-2. Fifteen km. south of Aghios Nikilaos, Crete.
 337787. CW 150-2. Eighteen km. east of Rethimnon, Crete.
 337788. CW 151-2. Alexandrou, Crete.
 337789. CW 155-2. Iraklion Port, Crete.

From Sicily.

337790. CW 232-2. Calatobiono.
 337791. CW 233-2. Calatobiono.

From Libya.

337792. CW 260-2. Solluk, Cyrenaica.
 337793. CW 288-2. Al-Rgaaat, Tripolitania.

From Sardinia.

337794. CW 302-2. Five km. north of Uras.

From Morocco.

337795. CW 352-2. Fifteen km. south of Tiflet.
 337796. CW 353-2. Oulmes.
 337797. CW 355-2. Twenty-five km. west of Oulmes.
 337798. CW 357-2. Atlas Mt.
 337799. CW 363-2. Madrid, Spain.

337800 to 337987. AVENA sp.

- | | |
|----------------|----------------|
| 337800. CW 65. | 337802. CW 69. |
| 337801. CW 66. | 337803. CW 71. |

337724 to 337987—Continued

337800 to 337987—Continued

337804.	CW 75.	337845.	CW 156.
337805.	CW 76.	337846.	CW 158.
337806.	CW 77.	337847.	CW 159.
337807.	CW 78.	337848.	CW 160.
337808.	CW 79.	337849.	CW 161.
337809.	CW 80.	337850.	CW 162.
337810.	CW 81.	337851.	CW 164.
337811.	CW 82.	337852.	CW 165.
337812.	CW 83.	337853.	CW 166.
337813.	CW 84.	337854.	CW 167.
337814.	CW 85.	337855.	CW 168.
337815.	CW 88.	337856.	CW 170.
337816.	CW 90.	337857.	CW 171.
337817.	CW 96.	337858.	CW 172.
337818.	CW 97.	337859.	CW 173.
337819.	CW 100.	337860.	CW 174.
337820.	CW 101.	337861.	CW 175.
337821.	CW 102.	337862.	CW 176.
337822.	CW 104.	337863.	CW 177.
337823.	CW 105.	337864.	CW 178.
337824.	CW 106.	337865.	CW 179.
337825.	CW 107.	337866.	CW 184.
337826.	CW 108.	337867.	CW 186.
337827.	CW 110.	337868.	CW 187.
337828.	CW 111.	337869.	CW 189.
337829.	CW 118.	337870.	CW 190.
337830.	CW 119.	337871.	CW 191.
337831.	CW 121.	337872.	CW 192.
337832.	CW 133.	337873.	CW 193.
337833.	CW 134.	337874.	CW 194.
337834.	CW 135.	337875.	CW 195.
337835.	CW 136.	337876.	CW 196.
337836.	CW 138.	337877.	CW 198.
337837.	CW 140.	337878.	CW 199.
337838.	CW 144.	337879.	CW 200.
337839.	CW 145.	337880.	CW 201.
337840.	CW 147.	337881.	CW 202.
337841.	CW 149.	337882.	CW 203.
337842.	CW 152.	337883.	CW 205.
337843.	CW 153.	337884.	CW 206.
337844.	CW 154.	337885.	CW 207.

337724 to 337987—Continued**337800 to 337987—Continued**

337886. CW 209.	337927. CW 266.
337887. CW 211.	337928. CW 267.
337888. CW 212.	337929. CW 269.
337889. CW 214.	337930. CW 270.
337890. CW 216.	337931. CW 271.
337891. CW 217.	337932. CW 272.
337892. CW 218.	337933. CW 273.
337893. CW 219.	337934. CW 274.
337894. CW 220.	337935. CW 275.
337895. CW 221.	337936. CW 276.
337896. CW 222.	337937. CW 279.
337897. CW 223.	337938. CW 280.
337898. CW 225.	337939. CW 282.
337899. CW 226.	337940. CW 283.
337900. CW 227.	337941. CW 284.
337901. CW 229.	337942. CW 286.
337902. CW 230.	337943. CW 287.
337903. CW 231.	337944. CW 289.
337904. CW 234.	337945. CW 292.
337905. CW 235.	337946. CW 295.
337906. CW 236.	337947. CW 296.
337907. CW 237.	337948. CW 297.
337908. CW 238.	337949. CW 298.
337909. CW 239.	337950. CW 299.
337910. CW 241.	337951. CW 301.
337911. CW 242.	337952. CW 303.
337912. CW 244.	337953. CW 305.
337913. CW 245.	337954. CW 306.
337914. CW 247.	337955. CW 308.
337915. CW 248.	337956. CW 309.
337916. CW 249.	337957. CW 310.
337917. CW 251.	337958. CW 311.
337918. CW 252.	337959. CW 312.
337919. CW 253.	337960. CW 313.
337920. CW 255.	337961. CW 314A.
337921. CW 256.	337962. CW 316.
337922. CW 258.	337963. CW 318.
337923. CW 259.	337964. CW 319.
337924. CW 263.	337965. CW 320.
337925. CW 264.	337966. CW 321.
337926. CW 265.	337967. CW 323.

337724 to 337987—Continued**337800 to 337987—Continued**

337968. CW 326.	337978. CW 341.
337969. CW 328.	337979. CW 342.
337970. CW 329.	337980. CW 344.
337971. CW 330.	337981. CW 345.
337972. CW 331.	337982. CW 346.
337973. CW 335.	337983. CW 348.
337974. CW 336.	337984. CW 349.
337975. CW 337.	337985. CW 356.
337976. CW 338.	337986. CW 360.
337977. CW 340.	337987. CW 361.

337988. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Japan. Seed presented by the Wheat Breeding Laboratory, Hokkaido National Agricultural Experiment Station, Hitzujigaoka, Sapporo, Hokkaido. Received Oct. 24, 1968.

'Hokuet'.

337989 to 337992. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Barbados. Cuttings presented by the West Indies Central Sugar Cane Breeding Station, Coves, St. George. Received Oct. 24, 1968.

337989. B4145.	337991. B50135.
337990. B6130.	337992. B55228.

337993 to 337995. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Guyana. Cuttings presented by the Bookers Sugar Estates Ltd., Georgetown. Received Oct. 28, 1968.

337993. D 141/48.
337994. D 151/59.
337995. D 171/59.

337996. CRAMBE HISPANICA Linn. Cruciferae.

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovot, Jerusalem. Received Sept. 30, 1968. Numbered Oct. 28, 1968.

No. NU43030. Plant small, poor seeder.

337997. TRITICUM SPHAEROCOCCUM Percival Gramineae.

From India. Seed presented by the Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Received Oct. 28, 1968.

337998. TRITICUM AESTIVUM L. Gramineae. Common wheat.

From Italy. Seed presented by the Federazione Italiana dei Consorzi Agrari, Ponte Galeria, Rome. Received Oct. 28, 1968.

'Strampelli'.

337999 to 338000. PENNISSETUM SPICATUM (L.) Willd. Gramineae. Pearl millet.

From Ethiopia. Seed collected by B. M. Leese, Crops Research Division, United States Department of Agriculture, Beltsville, Md. Numbered Oct. 14, 1968.

337999 to 338000—Continued

337999. Col. 31-B. On road to Alamyra, 215 km. east of Nazareth, Shoa Province. Elevation 1,600 m. Bristle obscure.

338000. Col. P-156. Local name Biltoob. One hundred four km. west of Asmara, Eritrea Province. Seed yellow.

338001 to 338003. SACCHARUM (hybrid) Gramineae.**Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Experiment Stations, Brisbane, Queensland. Received Oct. 31, 1968.

338001. Q. 86.

338002. Q. 87.

338003. Q. 88.

338004 to 338008. SACCHARUM (hybrid) Gramineae.**Sugarcane.**

From Fiji. Cuttings presented by the South Pacific Sugar Mills Ltd., Lautoka. Received Oct. 31, 1968.

338004. 'Fiji 61'.

338007. 'Vomo'.

338005. 'Fiji 73'.

338008. 'Waya'.

338006. 'Mali'.

338009 to 338011. TRITICUM AESTIVUM L. Gramineae.**Common wheat.**

From the Netherlands. Seeds presented by the Institute of Plant Breeding, Wageningen. Received Oct. 15, 1968. Numbered Nov. 1, 1968.

338009. 'Joss Cambier'.

338010. 'Sylvia'.

338011. 'Tadorna'.

338012. ORYZA SATIVA L. Gramineae.**Rice.**

From the Philippines. Seed presented by the International Rice Research Institute, Los Banos, Laguna. Received Nov. 5, 1968.

'Hokuriku 76'.

338013 to 338169. ORYZA SATIVA L. Gramineae.**Rice.**

From the Philippines. Seed presented by the International Rice Research Institute, Manila. Received Nov. 6, 1968.

338013. 41185. IR798-27-3, Ch. 242 x (Siam 29 - Kh. 68).

338014. 41161. IR798-15-1, Ch. 242 x (Siam 29 x Kh. 68).

338015. 41458. IR666-1-25-2-2, IR8 x Yukara.

338016. 41482. IR667-1-12-1-3, IR8 x (Yukara x TN1).

338017. 41508. IR667-1-34-2-1, IR8 x (Yukara x TN1).

338018. 41552. IR667-1-58-3-1, IR8 x (Yukara x TN1).

338019. 41566. IR667-1-63-1-2, IR8 x (Yukara x TN1).

338020. 41635. IR781-417-2, IR8/2 x (Yukara x TN1).

338021. 41741. IR781-460-3, IR8/2 x (Yukara x TN1).

338022. 41812. IR781-498-2, IR8/2 x (Yukara x TN1).

338023. 41928. IR781-587, IR8/2 x (Yukara x TN1).

338024. 42101. IR934-56, IR8-3 x (Yukara x TN1).

338013 to 338169—Continued

338025. 42283. IR934-229, IR8/3 x (Yukara x TN1).
 338026. 42406. IR934-346, IR8/3 x (Yukara x TN1).
 338027. 42456. IR934-394, IR8/3 x (Yukara x TN1).
 338028. 42464. IR934-401, IR8/3 x (Yukara x TN1).
 338029. 42605. IR934-535, IR8/3 x (Yukara x TN1).
 338030. 42722. IR497-24-1-2-3, (CP-SLO/2 x TN1) x Nato.
 338031. 42724. IR497-24-2-1-2, (CP-SLO/2 x TN1) x Nato.
 338032. 42735. IR497-52-1-2-1, (CP-SLO/2 x TN1) x Nato.
 338033. 42743. IR497-81-3-3-2, (CP-SLO/2 x TN1) x Nato.
 338034. 42746. IR497-84-3-1-2, (CP-SLO/2 x TN1) x Nato.
 338035. 42782. IR498-15-2-3-3, (CP-SLO/2 x TN1) x Zenith.
 338036. 42796. IR498-42-1-2-2, (CP-SLO/2 x TN1) x Zenith.
 338037. 42798. IR498-42-1-3-1, (CP-SLO/2 x TN1) x Zenith.
 338038. 42909. IR1061-41, IR400-28-4-5/2 x Sel. from C.I. 9210.
 338039. 43076. IR532-1-65-3-2, (Peta/3 x TN1) x TKM-6.
 338040. 43083. IR532-1-79-2-2, (Peta/3 x TN1) x TKM-6.
 338041. 43116. IR532-1-128-3-1, (Peta/3 x TN1) x TKM-6.
 338042. 43135. IR532-1-155-1-1, (Peta/3 x TN1) x TKM-6.
 338043. 43190. IR532-1-218-1-2, (Peta/3 x TN1) x TKM-6.
 338044. 43214. IR536-11-2-2-1, (CP-SLO/2 x 81B-25) x TKM-6.
 338045. 43255. IR506-101-6-2-1, IR8 x (B589A4-18-1/2 x TN1).
 338046. 43347. IR644-1-63-1-1, IR8/2 x (B589A4-18-1/2 x TN1).
 338047. 43467. IR533-8-2-2-2, (CP-SLO/2 x Sigadis) x (Peta x TN1).
 338048. 43473. IR533-1-21-3-2, (CP-SLO/2 x Sigadis) x (Peta x TN1).
 338049. 43792. IR943-6, (TN1 x Malagkit Sungsung) x Peta.
 338050. 43805. IR943-18, (TN1 x Malagkit Sungsung) x Peta.
 338051. 43880. IR12-178-2-3, MCVA x I-geo-tze.
 338052. 43967. IR626-1-28-2-2, IR8 x (Peta/5 x Belle Patna).
 338053. 43973. IR626-1-36-3-2, IR8 x (Peta/5 x Belle Patna).
 338054. 44169. IR626-40-2, IR8 x (Peta/5 x Belle Patna).
 338055. 44221. IR665-1-60-1-3, IR8 x (Peta/5 x Belle Patna).
 338056. 44331. IR627-1-5-1-1, IR8 x Wagwag.
 338057. 44556. IR628-1-20-2-3, IR8 x Chinkachen.
 338058. 44928. IR633-1-9-3-2, IR8 x (BPI-76 x T. 176).
 338059. 44951. IR753-184, IR8-18/2 x (BPI-76 x T. 176).
 338060. 44942. IR753-175, IR8/2 x (BPI-76 x T. 176).
 338061. 44998. IR634-1-1-3-3, IR8 x (CP-SLO x L. Yai 34).
 338062. 45061. IR758-71, IR8/2 x Dawn.
 338063. 45065. IR758-75, IR8/2 x Dawn.
 338064. 45283. IR782-98-4, IR8 x (Dawn x TN1).
 338065. 45325. IR782-131, IR8 x (Dawn x TN1).
 338066. 45375. IR759-62, IR8 x (Peta/3 x Dawn).

338013 to 338169—Continued

338067. 45484. IR759-165, IR8 x (Peta/3 x Dawn).
 338068. 45494. IR879-1, IR8/2 x (Peta/3 x Dawn).
 338069. 45522. IR879-28, IR8/2 x (Peta/3 x Dawn).
 338070. 45698. IR643-65-2, IR8 x (Dawn x 81B-25).
 338071. 45753. IR643-1-28-2-3, IR8 x (Dawn x 81B-25).
 338072. 45771. IR643-1-50-2-2, IR8 x (Dawn x 81B-25).
 338073. 46016. IR786-27-3, IR8 x (IR172-2-2 x IR84-82-3).
 338074. 46024. IR786-30-2, IR8 x (IR172-2-2 x IR84-82-3).
 338075. 46057. IR786-57-3, IR8 x (IR172-2-2 x IR84-82-3).
 338076. 46091. IR786-79-2, IR8 x (IR172-2-2 x IR84-82-3).
 338077. 46096. IR786-84-1, IR8 x (IR172-2-2 c IR84-82-3).
 338078. 46150. IR787-5-3, IR8 x (CP 231 x SLO-17).
 338079. 46159. IR787-13-3, IR8 x (CP 231 x SLO-17).
 338080. 46216. IR787-57-3, IR8 x (CP 231 x SLO-17).
 338081. 46235. IR787-66-3, IR8 x (CP 231 x SLO-17).
 338082. 46267. IR787-98-3, IR8 x (CP 231 x SLO-17).
 338083. 46300. CP 231 x SLO-17.
 338084. 46357. IR1008-74, IR8 x IR154-61-1-1.
 338085. 46380. IR8 (68).
 338086. 46397. IR939-38, IR8 x IR272-8-8-3.
 338087. 46530. IR1044-2, IR154-54-2-2- x IR400-28-4-5.
 338088. 46533. IR1044-5, IR154-54-2-2 x IR400-28-4-5.
 338089. 46536. IR1044-8, IR154-54-2-2 x IR400-28-4-5.
 338090. 46538. IR1044-10, IR154-54-2-2 x IR400-28-4-5.
 338091. 46544. IR1044-15, IR154-54-2-2 x IR400-28-4-5.
 338092. 46576. IR1044-46, IR154-54-2-2 x IR400-28-4-5.
 338093. 46587. IR1044-56, IR154-54-2-2 x IR400-28-4-5.
 338094. 46602. IR1044-70, IR154-54-2-2 x IR400-28-4-5.
 338095. 46611. IR1044-79, IR154-54-2-2 x IR400-28-4-5.
 338096. 46683. IR790-10-1, (IR400-5-12-10-2 x IR8) x [IR4-253-3
 (B589A4-18-1/2 x TN1)].
 338097. 46770. IR790-48-3, (IR400-5-12-10-2 x IR8) x IR4-253-3 x
 (B589A4-18-1/2 x TN1)].
 338098. 46835. IR795-4-2, IR262-43-8-11 x (Siam 29 x T. 172).
 338099. 46857. IR795-10-2, IR262-43-8-11 x (Siam 29 x T. 172).
 338100. 46927. IR609-1-47-2-2, TN1 x Kalijira Aman.
 338101. 47476. IR822-228-3, IR8/2 x Pankhari 203.
 338102. 47501. IR822-241-2, IR8/2 x Pankhari 203.
 338103. 47561. IR822-260-8, IR8/2 x Pankhari 203.
 338104. 47566. IR822-261-3, IR8/2 x Pankhari 203.
 338105. 47598. IR822-272-3, IR8/2 x Pankhari 203.
 338106. 47783. IR822-377-6, IR8/2 x Pankhari 203.
 338107. 9314. IR532-1-47, (Peta/3 x TN1) x TKM-6.

338013 to 338169—Continued

338108. 623. IR532-E-527, (Peta/3 x TN1) x TKM-6.
 338109. 609. IR532-1-151, (Peta/3 x TN1) x TKM-6.
 338110. 610. IR532-1-171, (Peta/3 x TN1) x TKM-6.
 338111. 611. IR532-1-218, (Peta/3 x TN1) x TKM-6.
 338112. 26041. IR527-1-10-3, TN1 x ADT-27.
 338113. 6802. Ch. 242.
 338114. 6803. Tainan 3. .
 338115. 6805. IR509-1-3-2-3, Ch. 242/2 x FF-36.
 338116. 6812. IR510-11-3, FF-36 x B583A1-4-2.
 338117. 6816. IR667-1-43-1, IR8 x (Yukara x TN1).
 338118. 6826. IR497-9-1, (CP-SLO/2 x TN1) x Nato.
 338119. 6828. IR498-12-1-3, (CP-SLO/2 x TN1) x Zenith.
 338120. 6832. IR498-42-3-3, (CP-SLO/2 x TN1) x Zenith.
 338121. 6837. IR494-1-17, (Bluebelle/3 x TN1) x Zenith.
 338122. 6839. IR532-1-218, (Peta/3 x TN1) x TKM-6.
 338123. 6841. IR527-1-57-2, TN1 x ADT-27.
 338124. 6853. IR527-40, TN1 x ADT-27.
 338125. 6862. IR528-1-57, (Peta/3 x TN1) x ADT-27.
 338126. 6874. IR502-2-2, (L. Yai 34 x TN1) x B583A1-4-2.
 338127. 6889. IR548-9-1-3, Belle Patna x TN1.
 338128. 6895. IR547-36-2-3, TN1 x Dawn.
 338129. 6896. IR547-52-1-2, TN1 x Dawn.
 338130. 6901. IR547-177-1-2, TN1 x B505A1-28.
 338131. 6920. IR533-6-1-2, (CP-SLO/2 x Sigadis) x (Peta/3 x TN1).
 338132. 6923. IR533-8-2-3, (CP-SLO/2 x Sigadis) x (Peta/3 x TN1).
 338133. 6935. IR537-6-6-2, (CP-SLO/2 x 81B-25) x (Peta/3 x TN1).
 338134. 6955. IR503-1-103-3, (Peta/3 x TN1) x (B589A4-18-1/2
 x TN1).
 338135. 7006. IR644-1-63, IR8/2 x (B589A4-18-1/2 x TN1).
 338136. 7024. IR626-1-7-2, IR8 (Peta/5 x Belle Patna).
 338137. 7025. IR626-1-28-2, IR8 (Peta/5 x Belle Patna).
 338138. 7032. IR626-1-95-2, IR8 (Peta/5 x Belle Patna).
 338139. 7034. IR626-1-110-2, IR8 (Peta/5 x Belle Patna).
 338140. 7037. IR626-1-128-1, IR8 (Peta/5 x Belle Patna).
 338141. 7044. IR665-1-143-3, IR8 x (Peta/5 x Belle Patna).
 338142. 7047. IR305-2-4-2-1, Sigadis/2 x TN1.
 338143. 7063. IR488-2-12, Sigadis/3 x TN1.
 338144. 7065. IR578-166-5, IR8 x Short Sigadis.
 338145. 7128. IR580-E-452-248, IR8 x TKM-6.
 338146. 7082. IR643-48, IR8 x (81B-25 x B505A1-28).
 338147. 7111. IR400-5-12-10-2, Peta/4 x TN1.
 338148. 7133. IR580-E-462-325, IR8 x TKM-6.

338013 to 338169—Continued

338149. 7135. IR580-E-462-329, IR8 x TKM-6.
 338150. 7140. IR580-E-467-354, IR8 x TKM-6.
 338151. 7145. IR580-E-470-376, IR8 x TKM-6.
 338152. 7146. IR580-E-472-378, IR8 x TKM-6.
 338153. 7149. IR580-E-475-399, IR8 x TKM-6.
 338154. 7155. IR532-1-10-2, (Peta/3 x TN1) x TKM-6.
 338155. 7161. IR532-1-18, (Peta/3 x TN1) x TKM-6.
 338156. 7165. IR532-1-32-2, (Peta/3 x TN1) x TKM-6.
 338157. 7166. IR532-1-33-1, (Peta/3 x TN1) x TKM-6.
 338158. 7184. IR532-1-88-3, (Peta/3 x TN1) x TKM-6.
 338159. 7191. IR532-1-128-3, (Peta/3 x TN1) x TKM-6.
 338160. 7206. IR532-1-222-3, (Peta/3 x TN1) x TKM-6.
 338161. 7208. IR532-1-226-3, (Peta/3 x TN1) x TKM-6.
 338162. 7228. IR140-136-2-3-1-2, (CP 231 x SLO-17) x Mas.
 338163. 7241. IR278-2-9-1-1, B581A6-545/2 x 81B-25.
 338164. 7243. IR178-106-3-1-1-3, B505A1-28 x 81B-25.
 338165. 7252. IR127-80-1-10, (CP 231 x SLO-17) x Sigadis.
 338166. 7253. IR127-80-3-6-1, (CP 231 x SLO-17) x Sigadis.
 338167. 7269. IR117-21-2-1-1-1-2, B581A6-545 x BPI-76.
 338168. 7287. IR281-7-3-2-1, CI 9300/2 x (CP 231 x SLO-17).
 338169. 7306. IR271-22-16-5-2-2-1, B505A1-28/2 x Sigadis.

338170 to 338179. PRUNUS ARMENIACA L. Rosaceae. Apricot.

From Italy. Seed presented by the Instituto di Frutticoltura, Rome. Received Nov. 6, 1968.

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|------------------------|--------------------------|
| 338170. 'Baracca'. | 338175. 'Hatif-Colomer'. |
| 338171. 'Boccuccia'. | 338176. 'Meraviglia'. |
| 338172. 'Cafona'. | 338177. 'Pelacchiella'. |
| 338173. 'Cannetta'. | 338178. 'Prete'. |
| 338174. 'Don-Gaetano'. | 338179. 'Siletina'. |

338180 to 339182. GLYCINE MAX (L.) Merr. Leguminosae.**Soybean.**

From El Salvador. Seeds presented by Dirección General de Investigaciones Agronomicas, Santa Teola. Originally from Agricultural Department, Honiara, Guadalcanal, British Solomon Protectorate. Received Nov. 8, 1968.

338180. 5/HLS/223/1/66.
 338181. 9/HLS/273/3/66.
 338182. 10/HER/3/66.

338183 to 338193. GOSSYPIUM (hybrid). Malvaceae.

From Argentina. Seeds presented by Instituto Nacional de Tecnología Agropecuaria, Buenos Aires. Received Sept. 23, 1968. Numbered Nov. 8, 1968.

338183. No. 5105-2. SP 5122 (CB 173: Mariu Caaguy x Pima S-2) Pima S-2.

338183 to 338193—Continued

338184. No. 5114-5. SP 5122 (CB 173: Mariu Caaguy x Pima S-2) Pima S-2.
338185. No. 5157-3. SP 5142 (CB 155: Concepcion x Stoneville 7A) Pima S-2.
338186. No. 5171-1. SP 5151 (Guaraní XI Pima S-2) Coastland RN 10.
338187. No. 5181-5. SP 5134 (Guaraní XII x Coastland RN 10) Pima S-2.
338188. No. 5185-3. SP 5135 (Guaraní XII x Coastland RN 10) Coastland RN 10.
338189. No. 5189-7. SP 5132 (Coastland RN 10 x Diaguaita VII) Pima S-2.
338190. No. 5192-3. SP 5138 (CB 159: Concepcion x Pima S-2) Pima S-2.
338191. No. 130-1. SP 1018 (CB 173: Mariu Caaguy x Pima S-2) Pima S-2.
338192. No. 140-2. SP 1018 (CB 173: Mariu Caaguy x Pima S-2) Pima S-2.
338193. No. 4243-3. SP 1018 (CB 173: Mariu Caaguy x Pima S-2).

338194. MEDICAGO SATIVA L. Leguminosae. Alfalfa.

From Australia. Seed presented by Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra, A.C.T. Received Nov. 8, 1968.

'Cancreep'.

338195 to 338200. SORGHUM BICOLOR (L.) Moench Gramineae.

From Venezuela. Seed collected by Mauricio Riccelli, Universidad Central de Venezuela, Facultad de Agronomia, Instituto de Genetica, Maracay-Edo, Aragua. Received Nov. 8, 1968.

Falcon State.

338195. 'State'. 338197. 'Millo Trigo'.
338196. 'Mano de Tigre'. 338198. 'Yucatan'.

Zulia State.

338199. 'Guana Amarillo'.
338200. 'Guana Blanco'.

338201 and 338202.

From Poland. Seed presented by Research Institute of Pomology, Skierniewice. Received Nov. 8, 1968.

338201. PRUNUS MANDSHURICA (Maxim.) Koehne Rosaceae. Manchurian apricot.
338202. PRUNUS PERSICA (L.) Batsch Peach.
- 'Blue Skin'.

338203. AVENA SATIVA L. Gramineae. Common oats.

From Wales. Seed presented by Welsh Plant Breeding Station, University College of Wales, Plas Gogerddan. Received Nov. 8, 1968.

'Pendwrwm'. 5687 Cn 3/7/31.

338204 to 338217. LINUM USITATISSIMUM L. Linaceae.

Common flax.

From Australia. Seeds presented by P. H. Debrett, State Research Farm, Werribee, Victoria. Received Nov. 8, 1968.

338204 to 338217—Continued

338204. W5531NH-EG-1. (Bison x Walsh x Crystal) x L. Crep x C.P. 483 x CP1193 x Walsh.

Bison x Walsh x Crystal x Uruguay.

338205. W55650K-6.

338206. W55650KC-64-93.

338207. W5577QN-855. Bonnydoon x Tunis.

(Lin de Tunis x Bonnydoon) x Beladi Y6903.

338208. W5618RO-41.

338209. W5618RO-75.

338210. W5618RO-92.

338211. W5618RO-140.

338212. W5618RO-142.

338213. W5623RO-24. C.P.I. 26957 x Bonnydoon.

338214. W5658QN-18. (Bison x Walsh x Crystal x Uruguay) x Bonnydoon (White).

338215. W5659QN-70. W5565OK x Bonnydoon (Blue).

338216. Linseed Seln 27-53. Beladi Seln.

338217. H39-9. Bonnydoon-9.

338218. GOSSYPIUM HIRSUTUM L. Malvaceae.

From Greece. Seed presented by N. Kontos, Cotton Research Institute, Sindos. Received Sept. 30, 1968. Numbered Nov. 12, 1968.

Selection 4S.

338219. DATURA METEL L. Solanaceae. Hindu datura.

From Taiwan. Seed collected by T. C. Huang, Botany Department National Taiwan University, Taipei. Received Nov. 12, 1968.

Col. 4699. Oluanpi, Pingtung County. Along pathway, sandy soil. Cultivated.

338220 and 338221. BRACHIARIA RUZIZIENSIS Germain & Eyrard. Gramineae.

From Costa Rica. Stolons collected by A. J. Oakes, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 13, 1968.

IICA plots, Turrialba, Costa Rica.

338220. Col. 836. No. 64,144. Plants erect from seeding. Heavy seed production. Ex. Kenya, K 55253, 69D.

338221. Col. 837. No. 64,146. Plants erect from seeding. Ex. Kenya, K5832.

338222 to 338224. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Peru. Cuttings presented by Negociacion Avucarera Laredo, Lima. Received Nov. 13, 1968.

338222. 'Lar. 58-4303'.

338223. 'Lar. 60-910'.

338224. 'Lar. 62-3626'.

338225. BRACHIARIA RUZIZIENSIS Germain & Eyrard. Gramineae.

From Costa Rica. Cuttings collected by A. J. Oakes, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 14, 1968.

Col. 835. IICA plots, Turrialba, Costa Rica. No. 64,143. Good seed production. Decumbent from seeding. Ex. Kenya K 55253. 69C.

338226 to 338332.

From Rhodesia. Seeds presented by the Curator, Botanic Garden, Causeway, Salisbury. Received Sept. 28, 1968. Numbered Nov. 14, 1968.

338226. *ALBIZZIA BREVIFOLIA* Schins Leguminosae.

338227. *ALBIZZIA FORBESII* Benth.

338228. *ALBIZZIA GUMMIFERA* (J. F. Gmel.) C. A. Smith.

338229. *ALBIZZIA HARVEYI* Fourn.

338230. *ALBIZZIA PETERSIANA* (Bolle) Oliv.

338231. *ALBIZZIA VERSICOLOR* (Welw. ex) Oliv.

338232. *CELTIS DURANDII* Engl. Ulmaceae.

338233. GAZANIA sp. Compositae.

From the Republic of South Africa. Seeds presented by Bloem Erf Nurseries, Stellenbosch, Cape Province. Received Oct. 8, 1968. Numbered Nov. 14, 1968.

338234 to 338236. CUCUMIS SATIVUS L. Cucurbitaceae.**Cucumber.**

From Turkey. Seed collected by J. G. Ross, Department of Agronomy, South Dakota State University, Brookings, S. D. Received Nov. 15, 1968.

Purchased in store in Erzurum; ecotypes selected by market gardeners in areas indicated.

338234. No. A-1206. Amasya.

338235. No. A-1207. Yusufeli.

338236. No. A-1208. Kayseri.

338237. MORUS ALBA L. Moraceae.**White mulberry.**

From Brazil. Seed presented by B. V. Skvortzov, Secretaria da Agricultura, Instituto de Botanica, Sao Paulo. Received Oct. 7, 1968. Numbered Nov. 15, 1968.

Four-year-old tree; fruits large; most productive August-September.

338238. PHASEOLUS VULGARIS L. Leguminosae. **Common bean.**

From the Netherlands. Seeds presented by Institute for Horticultural Plant Breeding, Wageningen. Received Nov. 15, 1968.

'Tip Top'.

338239 to 338241. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

From Canada. Seed grown by T. O. Graham, Department of Horticulture, University of Guelph, Guelph, Ontario. Received Nov. 15, 1968.

High-acid types from India.

338239. No. G-66-67. 'Improved Meeruti'.

338240. No. G-66-66. 'Uniform Ripening Meeruti' X 13.

338241. No. G-66-68. 'Uniform Ripening Meeruti' X 13.

338242 to 338245.

From Uganda. Seed presented by P. K. Karani, Forestry and Cooperatives, Ministry of Agriculture, Entebbe. Received Nov. 15, 1968.

338242. *DOMBEYA BAGSHAWEI* Bak. f. Sterculiaceae.

Bugamba Ankole. Shrub or small tree. Flowers white in axillary cinate inflorescence.

338243 and 338244. *DOMBEYA GOETZENII* K. Schum. Sterculiaceae.

338243. Ruhaga, Kigezi. Tree to 50 feet, bark smooth, grey. Flowers in umbels of 10 to 18, pale pink petals, deep red at base of staminal tube.

338244. Bugamba Ankole. Tree to 50 feet, bark smooth, grey. Flowers in umbels of 10 to 18, pale pink petals, deep red at base of staminal tube.

338245. *DOMBEYA MUKOLE* Sprague

Kirima, Kigezi. Tree to 40 feet. Flowers white in axillary cymes, 2 to 4 inches long.

338246 and 338247. *PHASEOLUS* (hybrid). Leguminosae.

From the United States. Seed bred by Shigemi Honma, Department of Horticulture, Michigan State University, East Lansing, Michigan. Received Nov. 15, 1968.

P. lunatus × *P. coccineus*. F₆.

338246. White seed.

338247. Colored seed.

338248. *DOMBEYA BURGESSIAE* Gerr. Sterculiaceae.

From Kenya. Seed collected by Robert E. Perdue, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 15, 1968.

Col. P-9331.

338249 to 338251. *SACCHARUM* (hybrid) Gramineae.

Sugarcane.

From the Republic of South Africa. Cuttings presented by the South African Sugar Association, Experiment Station, Mount Edgecombe. Received Nov. 18, 1968.

338249. N.Co. 376.

338250. N.56/75.

338251. N.56/1164.

338252 to 338303.

From Brazil. Plant material collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Numbered Nov. 20, 1968.

338252 and 338253. *ARACHIS BENTHAMII* Handro Leguminosae.

338252. Col. 499. IRI 1482. Instituto de Pesquisas IRI, Experimental Farm, Matao, Sao Paulo. Bunch type.

338253. Col. 520. Mato Grosso. Forty-two km. west of Bridge, Ponto. Fifteen de November, near highway at east edge of Cerrado. Perennial, to 46 cm. high, erect. Roots fleshy, lateral.

338254 and 338255. *ARACHIS BURKARTII* Handro

338254. Col. 362. Rio Grande do Sul. Fourteen km. east of Uruguaiana, on road to Alegrete, near Km. 144. Heavy, stony soil. Perennial, low growing, rhizomatous. Leaflets dark green, acute, glabrate above, ciliate margins and lower side. Flowers few; no fruit. Abundant.

338252 to 338303—Continued

338254 to 338255—Continued

338255. Col. 364. Rio Grande do Sul. Ten km. east of Alegrete toward Rosario do Sul. Between football field and cemetery. Medium heavy, black, stony soil. Perennial, low growing, rhizomatous. One seedling found.

338256 to 338266. ARACHIS GLABRATA Benth. Peanut.

338256. Col. 2. V. 799. Instituto Agronomico, Campinas, Sao Paulo. Nursery plot. Prostrate, 15 cm. high. Many rhizomes.

338257. Col. 489. V. 787. Instituto Agronomico, Campinas. Perennial. Rhizomatous.

Instituto de Pesqueiras IRI, Matao, Sao Paulo.

338258. Col. 500. IRI 1548. Originally from Experimental Farm, Sertaozinho, Sao Paulo.

338259. Col. 501. IRI 1551. Originally from Matao.

338260. Col. 502. IRI 1550. Originally from Matao.

338261. Col. 552. Mato Grosso. One hundred three km. from Campo Grande at Rio Cachoetrinha crossing. Perennial. Rhizomatous, prostrate. Branches to 90 cm. long in the river bank; growth restricted on road shoulder.

338262. Col. 553. Mato Grosso State. Highway from Campo Grande to Aquidauana, two km. west of Palmeira and bridge across Rio Aquidauana, on Route 33. Perennial; rhizomatous; low growing in shrubby undergrowth of wooded area. "Cerrado" type.

338263. Col. 560. Mato Grosso. Forty km. south of Aquidauana on highway BR-74. Perennial; low growing, to 30 cm. high in site protected from grazing. Rhizomes to 1 m.

338264. Col. 563. Mato Grosso. Eight km. west of Jardim, on highway BR-34 toward Porto Murtinho. Perennial; low growing; spreading by rhizomes. No flowers, pegs, pods, or seed.

338265. Col. 571. Mato Grosso. Sixty-four km. east of Porto Murtinho along highway BR-34, in "Cerrado" vegetation. Perennial. Rhizomes to 1 m. long. Large leaflet form.

338266. Col. 576. Mato Grosso. South of Ponta Pora at Rio Amamboi, Perennial, to 10 cm. high. Rhizomatous.

338267 and 338268. ARACHIS GLABRATA var. HAGANBECKII (Harms) F. J. Herman

338267. Col. 486. V. 361-52. Instituto Agronomico, Campinas. Perennial. Rhizomatous.

338268. Col. 457. Mato Grosso. Airport near highway, Campo Grande. Perennial; taprooted, leaflets acute.

338269. ARACHIS GUARANITICA Chod. & Hassl.

Col. 574. Mato Grosso. Rio Amambai (0.5 km. north of highway bridge) south of Ponta Pora. Perennial, to 20 cm. high in grazed area. Trifoliate. Ovate tubers 2 to 4 cm. long, 3 to 10 cm. deep on main root only.

338270. ARACHIS MARTII Handro

Col. 526. Mato Grosso. Praca de Esportes do Colegio Batista Matogrossense, south of Campo Grand. Perennial.

338271 and 338272. ARACHIS PARAGUARIENSIS Chod. & Hassl.

338271. Col. 570. Mato Grosso. In roadside thicket 64 km. east of Porto Murtinho on highway BR-34. Perennial, to 40 cm. high, erect; taproot with fleshy center.

A. sp. (Sum 57)

338252 to 338303—Continued**337271 and 338272—Continued**

338272. Col. 573. Mato Grosso. One hundred eight km. east of Porto Murtinho on highway BR-34. Thicket with dwarf palms. Perennial, erect; roots with fleshy center.

338273. ARACHIS PSEUDOVILLOSA (Chodat et Hassler) Krap. et Greg.

Col. 575. Mato Grosso. Amambai river on highway south of Ponta Pora. Perennial; rhizomes superficial, 2 cm. deep. Leaves flat on soil.

338274 to 338278. ARACHIS REPENS Handro

338274. Col. 3. Nursery plot, Instituto Agronomico, Campinas, Sao Paulo. Prostrate, creeping, rooting at nodes; rhizomes.

338275. Col. 365. Experiment Station, Sao Gabriel, Rio Grande do Sul. Originally from Sao Paulo. Perennial, low growing, rooting at nodes. In grazed areas to 8 cm. high; in protected areas to 20 cm. high.

338276. Col. 461. Institute of Botany, Sao Paulo. Prostrate; stems rooting at nodes.

338277. Col. 467. Porto Nova, on Rio Juqueriqueri, near Sao Sebastiao, Sao Paulo. Perennial. Low growing; branches slender, lateral, rooting at nodes. No rhizomes. Flowers, pegs, or fruit not seen. Used as principal lawn planting.

338278. Col. 498. IRI 1549. Instituto de Pesquisas IRI, Mato, Sao Paulo. Typical of species.

338279. ARACHIS sp.

Col. 408. Antonina, Parana. Ponta da Pita, 6 km. from center of Antonina, 1 km. southwest of Port Administration Office. Perennial. Prostrate, no rhizomes; taproot; no adventitious roots found at nodes; lateral roots horizontal, originate 3 to 4 cm. below crown, well developed, to 38 cm. long; many nodules. Main stem to 15 cm. high, sparsely branched, with slender laterals to 60 cm. long. Flowers yellow; fruits 1.0 to 1.5 cm. long; pericarp thin; testa tan.

338280. ARACHIS sp.

Col. 410. Paranagua, Parana. Porto Dom Pedro II (Vila dos Portuarios) in lumberyard near railroad tracks. Perennial, taprooted, prostrate, no rhizomes. Adventitious roots not found at nodes. Central stem to 15 cm. Lateral branches sparse, usually from about soil line. Primary branches prostrate, creeping but not rooted at nodes. Plants spreading 75 cm. to 1.2 m diameter. Leaves 4 foliate. Flowers not seen. Pegs on very young plants. Pods scarce, moderately small, 2 segments with isthmus ranging 0.5 to 2.5 cm. long; pericarp thin, testa tan.

338281. ARACHIS sp.

Col. 485. V. 793. Instituto Agronomico, Campinas. Perennial. Rhizomatous. Prostrate or low growing.

338282. ARACHIS sp.

Col. 488. V. 795. Instituto Agronomico, Campinas. Perennial. To 51 cm. high; taprooted; roots thick, fleshy.

338283. ARACHIS sp.

Col. 491. V. 776. Instituto Agronomico, Campinas. Perennial. Taprooted, tubers 8 cm. long on ends of roots about 20 cm. down.

338284. ARACHIS sp.

Col. 492. V. 774. Instituto Agronomico, Campinas. Perennial; rhizomatous, low growing.

338252 to 338303—Continued

338285. ARACHIS sp.

Col. 521. Mato Grosso. Forty two km. west of Bridge, Ponto 15 de Novembro. Near highway at east edge of garden. Perennial, upright. Stems single; leaflets 4 with prominent cilia on margins; roots with fleshy tubers.

338286. ARACHIS sp.

Col. 522. Mato Grosso. Two hundred thirty km. west of Mato Grosso-Sao Paulo border at Ponto 15 de Novembro, on highway BR 267. Roadside. Perennial, upright. Stems single; leaflets 4 with prominent cilia on margins; roots have fleshy tubers on margins.

338287. ARACHIS sp.

Col. 523. Mato Grosso. Three hundred seventy-three km. from Mato Grosso-Sao Paulo border; about 4 km. north of big bend in highway enroute Campo Grande. Roadside. Perennial. Slender, erect, usually single plants, to 60 cm. high in hard packed soil. Two types leaflets; no flowers, fruits. Taproots superficial; lateral roots initially slender becoming tubers to several cm. long; main root sometimes become tuberous.

338288. ARACHIS sp.

Col. 524. Mato Grosso. Near Campo Grande along road south to Faz. Imbrussi. Perennial. Slender, erect, leaflets ciliate. Roots lateral with tubers.

338289. ARACHIS sp.

Col. 548. Mato Grosso. Airport near highway, Campo Grande. Perennial. Older plants 60 cm. high, tubers to 6 cm. long on main and lateral roots.

338290. ARACHIS sp.

Col. 550. Mato Grosso. At 69 km. west of Campo Grande on road to Aquidauana. Perennial. Plants growing in shrubs 60 cm. high, sparsely branched. Tubers slender, to 13 cm. long.

338291. ARACHIS sp.

Col. 551. Mato Grosso. Sixty-nine km. west of Campo Grande. Low growing; crown bushy; many branches from one crown. Plants to 20 cm. high.

338292. ARACHIS sp.

Col. 554. Mato Grosso. Highway 33 from Campo Grande to Aquidauana, two km. west of Palmeira and bridge across Rio Aquidauana. Perennial, to 41 cm. high. Branches sparse to none from mainstems. Erect. Leaves 4 with woolly hairs. Tubers relatively slender, to several cm. long.

338293. ARACHIS sp.

Col. 555. Mato Grosso. Highway 33 from Campo Grande to Aquidauana. Abundant. Perennial. From one to several branches to 90 cm. long, mostly from crowns of older plants. Leaflets acute or acuminate on same plant, villous below, glabrate above. Taprooted, with fleshy lateral roots.

338294. ARACHIS sp.

Col. 559. Mato Grosso. Forty km. south of Aquidauana. Perennial, tall, leaves villous or woolly below, glabrate above, margins ciliate. Tubers relatively long, slender on tap and lateral roots.

338295. ARACHIS sp.

Col. 562. Mato Grosso. Eight km. west of Jardim toward Porto Murinho. Perennial; erect, some plants with many new branches were decapitated by bulldozing. Pods several, immature; roots tuberous.

338252 to 338303—Continued**338296. ARACHIS sp.**

Col. 564. Mato Grosso. Along highway BR-34, 63 km. west of Jardim toward Porto Murтинho, in grasslands. Stony, red soil, in Campos, grazed area. Eight km. east of Cerrado. Perennial. Low growing, leaflets acute, glabrate; rhizomes.

338297. ARACHIS sp.

Col. 565. Mato Grosso. River bank about 43 km. east of Porto Murтинho on highway BR-34. Perennial. To 15 cm. high; leaves woolly below, glabrate above with ciliate margins; taprooted.

338298. ARACHIS sp.

Col. 566. Mato Grosso. River bank about 43 km. east of Porto Murтинho on highway BR-34. Perennial. To 38 cm. high; leaves glabrate above and below. Taproot to 2.54 cm. diameter in old plant.

338299. ARACHIS sp.

Col. 567. Mato Grosso. Along highway BR-34, fifty-one km. east of Porto Murтинho, on rocky roadside by small river. Perennial. Rhizomatous. Leaves glabrate. Low growing.

338300. ARACHIS sp.

Col. 568. Mato Grosso. Along highway BR-34, by small river 51 km. east of Porto Murтинho. Perennial. Taprooted; with rhizomes.

338301. ARACHIS sp.

Col. 569. Mato Grosso. Along highway BR-34, by small river, 51 km. east of Porto Murтинho. Perennial. Low growing; rhizomes; leaflets obovate, pointed at reflexed tips, glabrous, dark green. Leaflet margins with bristles.

338302. ARACHIS sp.

Col. 572. Mato Grosso. Along highway BR-34, 87 km. east of Porto Murтинho. Perennial. Erect; to 30 cm. high. Leaflets elongate, linear, narrow, pointed at tip. Roots just forming, not tuberous.

338303. ARACHIS sp.

Col. 577. Mato Grosso. South of Ponta Pora at Rio Amambai bridge. Perennial, to 4 cm. high. Leaflets large, 3.5 by 1.7 cm. Rhizomes 1.0 m. long. May be natural interspecific hybrid.

338304 to 338319.

From Argentina. Plant material collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, Ga., and Experiment, Ga. Numbered Nov. 20, 1968.

338304 and 338305. ARACHIS GLABRATA var. HAGANBECKII (Harms) F. J. Herman

338304. Col. 334. Corrientes. On Route 5, half-way between Paso Florentin and General Paz. Perennial. Rhizomatous. Leaflets 2.54 cm. long, tapered to acute angle. No flowers, pods or seed.

338305. Col. 349. Saladas, Corrientes Province. Route 17, 400 m. south-east of railroad crossing. Perennial, low growing. Rhizomatous; branches slender.

338306 to 338308. ARACHIS PARAGUARIENSIS Chod. & Hassl.

338306. Col. 208. From collection of A. Krapovickas, Faculty Agriculture and Veterinary, Nordeste University, Corrientes. GKP No. 11462. Perennial. Erect. Taprooted (deep, carrotlike). No rhizomes. Leaves coriaceous, linear. Plants four years old. No pegs or pods seen.

Faculty of Agronomy and Veterinary, Genetics Garden, Corrientes.

338304 to 338319—Continued

338306 to 338308—Continued

338307. Col. 324. AK No. 11488. Originally collected at Ipacarai, Paraguay. Erect, to 20 cm. high; branches sparse; leaves linear, coriaceous.

338308. Col. 325. AK 11462. Originally collected at Tobati, Paraguay. Erect; taprooted; branches sparse; leaves leathery, lanceolate; pegs to 0.6 m.; pods many, immature.

338309. *ARACHIS VILLOSA* Benth.

Col. 357. Pasa de los Libres, Corrientes Province, 500 m. south of International Bridge in park of Hotel de Turismo, in grazed area. Perennial. Deep taprooted, root crown to 3 cm. diameter, no branch roots on upper 5 cm. Foliage sparse.

338310 and 338311. *ARCHIS VILLOSA* var. *CORRIENTINA* Burkart

338310. Col. 206. Arroya Riachuelo, Route 12, Corrientes Province. Perennial. Plants 2 or more years old; taproots 0.9 m. long; no rhizomes; branches slender, sparse, 1 m. long. No pegs or seed.

338311. Col. 332. Nine km. southeast of San Luis de Palmar, Route 5, Corrientes Province. Department San Luis de Palmer. On roadside in deep sand. Perennial, closely grazed; tap rooted. No pods or seed.

338312. *ARACHIS* sp.

Col. 207. GKP 9484. Collection of A. Krapovickas, Faculty of Agronomy and Veterinary, Nordeste University, Corrientes. Perennial. Plants 1 to 4 years old, spreading to 3 m.; taproots to 2 cm. diameter at soil line. Pegs few; pods immature. Seedling leaves larger than on 2-year-old plants.

338313. *ARACHIS* sp.

Col. 322. AK 12593. Faculty of Agronomy and Veterinary, Genetics Garden, Corrientes. Prostrate, taprooted; flowers many, orange; seeds sprouting. Bristles in stipules.

338314. *ARACHIS* sp.

Col. 323. AK 12787. Faculty of Agronomy and Veterinary, Genetics Garden, Corrientes. Originally collected at Cruz das Almas, Brazil. Prostrate, matted; leaflets large, dark green; flowers light yellow; prolific seeder; roots at nodes. Stolonerous.

338315. *ARACHIS* sp.

Col. 327. AK 14248. Faculty of Agronomy and Veterinary, Genetics Garden, Corrientes. Originally collected at Concepcion, Paraguay. Prostrate. Plants very small; all leaves touching soil. Crown of plant should be 20 cm. below soil surface. No seed.

338316. *ARACHIS* sp.

Col. 333. Paso Florentin, Corrientes Province, on Route 5. Across road from store, between highway and railroad. Perennial. Prostrate; rhizomatous; leaves lanceolate. Well grazed, sandy-loam soil on roadside. No flowers, pods or seed.

338317. *ARACHIS* sp.

Col. 335. Corrientes Province. Ten km. northeast of General Paz, along Route 13 toward Arerungua. Perennial. Rhizomatous; sparse stand in dense grass sod, closely grazed. Pegs found, but no pods.

338318. *ARACHIS* sp.

Col. 345. Corrientes Province. Route 12 at Rio Empedrada. Black clay soil. Perennial, to 15 cm. high. Rhizomatous. Branches slender; leaflets acuminate, glabrate above, ciliate margins and midvein on lower surface at pulvinus. No pods, pegs, seed, or flowers.

338304 to 338319—Continued**338319. ARACHIS sp.**

Col. 354. Corrientes Province. Route 23, toward Paso de los Libres, 16 km. southeast of Mercedes. Heavy black prairie soil. Perennial. Rhizomatous; leaflets small. Acuminate.

338320. ARACHIS sp. Leguminosae.

From Paraguay. Plant material collected by Antonia Krapovickas, Northeast National University, Corrientes, Argentina, and Victor Hemsy, National University of Tucuman, Tucuman, Argentina. Numbered Nov. 20, 1968.

Col. KHe 14444. Collected in native habitat, Cerro Cora, Amambay Department, Paraguay, 45 km. west of Ponta Pora, Brazil. Plants erect; leaves large.

338321 to 338329.

From Uruguay. Plant material collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, Ga., and Experiment, Ga. Numbered Nov. 20, 1968.

338321 to 338324. ARACHIS VILLOSA Benth.

338321. Col. 8. Eight km. northwest of Colonia, Playa Artilleros, 67 m. from Rio de la Plata and 90 m. from road. Prostrate. Branches sparse; leaves small, ciliate margins; taproot 1 cm. in diameter, 37 cm. long. Well nodulated; no rhizomes; pegs vertical, to 51 cm. with isthmus 7 cm. between the two locules.

338322. Col. 10. Seven km. northwest of Colonia, 200 m. from Rio de la Plata, on sand dunes. Perennial. Prostrate. Foliage sparse; leaves small; petioles longer than P.I. 338321; pegs horizontal, 20 cm. long, peripheral. Taprooted; no rhizomes.

338323. Col. 12. Fourteen km. southeast of Colonia, 125 m. from Rio de la Plata. Perennial. Prostrate; seeds sparse; leaves pubescent, ciliate.

338324. Col. 14. Twelve km. southeast of Colonia, 40 km. from Rio de la Plata. Perennial. Prostrate; seeds few; no rhizomes; leaves pubescent, ciliate.

338325. ARACHIS sp.

Col. 16. Mirador "Las Lavanderas" at Salto, 50 km. from Rio Uruguay. Prostrate. Rhizomatous; leaves glabrate with ciliate margins and petioles. Plants young, 5 cm. high. Flower yellow. No seed.

338326. ARACHIS sp.

Col. 17. Four km. south of Salto on bank of Rio Uruguay. Prostrate. Rhizomatous; leaves glabrate with ciliate margins and petioles. Plants young, 5 cm. high.

338327. ARACHIS sp.

Col. 23. Along Route 5, 30 km. northeast of Tacuarembó. Prostrate. Small, dark green, rhizomatous. Flowering, no pods or pegs. Leaves glabrous with ciliate margins. Leaflets small, rachis very short.

338328. ARACHIS sp.

Col. 24. Along Route 5, 74 km. north of Tacuarembó, 46 km. south of Rivera. Plants prostrate, small, rhizomatous. Leaves glaucous green, except ciliate margins. Leaflets small, rachis very short. No pods, pegs or seed.

338321 to 338329—Continued

338329. ARACHIS sp.

Col. 27. Eight km. west of Route 5 on Route 30, east of Tranqueras. Prostrate. Low growing; rhizomes many; leaves glabrous with ciliate margins. No pods, flowers or seed.

338330 to 338334. SACCHARUM (hybrid) Gramineae.

Sugarcane.

From Puerto Rico. Cuttings presented by the Estacion Experimental Agricola, Rio Piedras. Received Nov. 21, 1968.

338330. 'Bamboo amarilla'.

338333. P.R. 1117.

338331. 'Mulata'.

338334. 28 N.G. 13.

338332. P.R.1085.

338335 to 338339. ARACHIS HYPOGAEA L. Leguminosae.

From Venezuela. Seed presented by Bruno Mazzani P., Department of Fitotecnica, Centro de Investigaciones Agronomicas, Maracay. Received Nov. 21, 1968.

338335. No. 1. Spanish hybrid F₇. Pods 2 segmented, short, medium large; testa flesh.

338336. No. 2. Valencia. Seed medium; testa red.

338337. No. 3. Valencia. Seed medium long; testa flesh.

338338. No. 4. Virginia. Pods short, 3 segmented, testa purple. Reported resistant to leaf spot.

338339. No. 68-31. 'Makulu Red'. Originally from Rhodesia. Pods 2 segmented, beaked, prominent keel. Yield low. Reported resistant to leaf spot.

338340. VIGNA sp. Leguminosae.

From Brazil. Seed collected by R. O. Hammons and W. R. Langford, Crops Research Division, Agricultural Research Service, Tifton, and Experiment, Ga. Received Nov. 21, 1968.

Col. 691. Entrance gate to grounds of Clube Praia dos Cagarros near Sao Sebastiao, Sao Paulo. Herbaceous, low-growing vine. Pods pubescent, dehiscent.

338341. DOLICHOS LABLAB L. Leguminosae. ³¹⁴⁶⁰⁷ Hyacinth-bean.

From Zambia. Seed presented by W. C. Verboom, Department of Agriculture, Lusaka. Received Nov. 21, 1968.

338342 to 338344. HELIANTHUS ANNUUS L. Compositae.

Sunflower.

From France. Seed presented by P. LeClercq, Station d'Amelioration des Plantes, Clermont-Ferrand. Received Nov. 21, 1968.
Male sterile lines.

338342. Mb1-ba-a.

338343. M5-2-a-a.

338344. M10-2-a-a.

338345. ORYZA SATIVA L. Gramineae.

Rice.

From Austria. Seed presented by H. Jungbauer, Botanic Garden, Myrtheng 3, Vienna. Received Nov. 27, 1968.

'C4-63'. One-hundred-day maturity. Originally from the Philippines.

338346. RHODODENDRON HYPENANTHUS Balf. f. Ericaceae.

From India. Seed presented by the Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Received Nov. 21, 1968.

338347. AVENA SATIVA L. Gramineae. Common oats.

From Australia. Seed presented by J. Reeves, Department of Agriculture, South Perth, Western Australia. Received Nov. 21, 1968.

'Dwarf Palestine'.

338348 to 338368.

From Belgium. Seed presented by L. Noulard, Station de Recherches de l'Etat pour l'Amelioration des Plantes de Grande Culture, Gembloux. Received Nov. 21, 1968.

338348 to 338353. AVENA SATIVA L. Gramineae. Common oats.

- | | |
|--------------------|---------------------|
| 338348. 'Borreck'. | 338351. 'Karin'. |
| 338349. 'Dian'. | 338352. 'Peragold'. |
| 338350. 'Greta'. | 338353. 'Rigal'. |

338354 to 338356. HORDEUM VULGARE L. Gramineae.

Spring barley.

338354. 'Cristal'.
338355. 'Perorge'.

Winter barley.

338356. 'L. 456'.

338357 to 338365. TRITICUM AESTIVUM L. Gramineae. Common wheat.

Winter wheat.

- | | |
|-------------------|---------------------|
| 338357. 'Bright'. | 338361. 'Norda'. |
| 338358. 'Cama'. | 338362. 'Panter'. |
| 338359. 'Marco'. | 338363. 'Rustique'. |
| 338360. 'Mina'. | |

Spring wheat.

338364. 'Aga'.
338365. 'Perso'.

338366 to 338368. TRITICUM SPELTA L.

Spelt.

338366. 'Ardenne'.
338367. 'Lignee 2'.
338368. 'Lignee 24'.

338369 and 338370.

From Sweden. Seed presented by Fajer Fajersson, Plant Breeding Institution, Weibullsholm. Received Nov. 21, 1968.

338369. HOREUM VULGARE L. Gramineae.

'Gasell'. Herta × / (Balder × Binder) × Opal/. Spring barley.

338370. TRITICUM AESTIVUM L. Gramineae. Common wheat.

"Starke". W 11376 × (Eroica × Virtus). Winter wheat.

338371. BRACHIARIA RUZIZIENSIS Germain & Eyrard. Gramineae.

From Panama. Stolons collected by A. J. Oakes, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 25, 1968.

Col. 839. Gualaca Experiment Station, David. Stoloniferous, sod forming; color dark green.

338372 to 338403.

From Poland. Seed presented by Tadeusz Wolski, Poznanska Hodowla Rosalin, Dzial-Hodowli w Chorynl, Warsaw. Received Nov. 21, 1968.

338372 to 338376. *AVENA SATIVA* L. Gramineae. Common oats.

338372. 'Antoninski Pozny'. 338375. 'Przeboj II'.

338373. 'Bartek Udycki'. 338376. 'Udycz Zolty'.

338374. 'Bialy Mazur'.

338377 to 338383. *SECALE CEREALE* L. Gramineae. Rye.

Winter rye.

338377. 'Chobre'. 338381. 'Smoliczkie'.

338378. 'Dankowskie Selekcyjne'. 338382. 'Wloszanowskie'.

338379. 'Dankowskie Zlote'. 338383. 'Wloszanowskie Nowe'.

338380. 'Garczynskie'.

338384 to 338403. *TRITICUM AESTIVUM* L. Gramineae. Common wheat.

Spring wheat.

338384. 'Gorzowska Sztynwa'.

338385. 'Ostka Popularna'.

Winter wheat.

338386. 'Blondynka'.

338387. C 48.

338388. C 517.

338389. 'Dankowska Biala'.

338390. 'Eka Nowa'.

338391. 'Komorowska'.

338392. 'Kujawianka Wieclawicka'.

338393. 'Kutnowianka'.

338394. 'Leszczynska Wczesna'.

338395. 'Malgorzatka Udycka'.

338396. 'Mira'.

338397. 'Ninka II'.

338398. 'Olza'.

338399. 'Podolanka'.

338400. 'Slazaczka'.

338401. 'Szelejewska'.

338402. 'Wysokolitewka Sztynnosloma'.

338403. 'Zelazna'.

338404 to 338446. *TRITICUM AESTIVUM* L. Gramineae. Common wheat.

From India. Seed presented by the Indian Agricultural Research Institute, New Delhi. Received Nov. 21, 1968.

Resistant to rice weevil attack.

338404. E. 4810.

338407. E. 7109.

338405. E. 4824.

338408. E. 7122.

338406. E. 4797.

338409. E. 3945.

338404 to 338446—Continued

338410. E. 4095.	338412. E. 6195.
338411. E. 1989.	
Resistant to the lesser grain borer.	
338413. N.P. 17-1-1-1.	338430. E. 6001.
338414. N.P. 764.	338431. E. 4957.
338415. N.P. 768.	338432. E. 6016.
338416. N.P. 766.	338433. E. 4647.
338417. N.P. 757.	338434. E. 3479.
338418. N.P. 717.	338435. E. 6006.
338419. N.P. 779.	338436. E. 5883.
338420. N.P. 733.	338437. E. 6009.
338421. N.P. 70-1-1-1.	338438. E. 6893.
338422. N.P. 780.	338439. E. 6935.
338423. N.P. 781.	338440. E. 4318.
338424. HD 1592.	338441. E. 2100.
338425. N.P. 7-1-6-1.	338442. E. 6946.
338426. N.P. 3-7-2-6.	338443. E. 6912.
338427. E. 3740.	338444. E. 4642.
338428. E. 4900.	338445. C. 307.
338429. E. 5892.	338446. D. 144.

338447 to 338453.

From Brazil. Seed collected 1967 by W. C. Gregory, Department of Crop Science, North Carolina State University, Raleigh, North Carolina. Numbered Nov. 22, 1968.

338447. *ARACHIS* sp. Leguminosae.

Col. No. 12787. Cruz das Almas, near Atlantic, Bahia, enroute from Rio Jequitihonha.

338448. *ARACHIS* sp.

Col. No. 12881. Joazeiro, Bahia.

338449. *ARACHIS* sp.

Col. No. 12922. Fifteen km. west of Joazeiro, Bahia.

338450. *ARACHIS* sp.

Col. No. 12939. Fortaleza-Sobral on road, 50 km. east of Sobral, Ceara.

338451. *ARACHIS* sp.

Col. No. 12941. Sobral, Ceara.

338452. *ARACHIS* sp.

Col. No. 12943. Sobral, Ceara.

338453. *ARACHIS* sp.

Col. No. 12946. Tapera, Pernambuco.

338454 to 338465.

From the Philippines. Seed collected by R. G. Wilson, San Vito de Java, Costa Rica. From the Sagada, Mountain Province. Received Nov. 26, 1968.

338454 to 338465—Continued

338454. *FICUS ULMIFOLIA* Lam. Moraceae.

Vine with very variable leaves.

338455. *MELASTOMA* sp. Melastomaceae.

Shrub. Flowers pink, 2 inches.

338456. *NEPENTHES ALATA* Blanco Nepenthaceae.

Terrestrial, full sun.

338457. *NEPENTHES BURKEI* Mast.

Terrestrial, full sun.

338458. *RHODODENDRON* sp. Ericaceae.

Bush to 8 feet high, leaves 1½ to 2 inches, flower white.

338459. *RHODODENDRON* sp.

Flowers red.

338460. *RHODODENDRON* sp.

Flowers white.

338461. *RHODODENDRON* sp.

Flowers red. Tree to 20 ft. Origin Ceylon.

338462. *ROSA PHILIPPINENSIS* Merr. Rosaceae.

Flowers white.

338463. *VACCINIUM* sp. Ericaceae.

338464. Undetermined. Leguminosae.

Ornamental sold in flower market, Bangkok.

338465. Undetermined.

338466 and 338467. SACCHARUM (hybrid) Gramineae. Sugarcane.

From the Dominican Republic. Cuttings presented by the Gulf Western Americas Corporation, La Romana. Received Nov. 27, 1968.

338466. CR 62-10.

338467. CR 64-134.

338468. AVENA SATIVA L. Gramineae. Common oats.

From Japan. Seed presented by Seiji Tabata, Hokkaido National Agricultural Experiment Station, Hitsujigaoka, Sapporo, Hokkaido. Received Nov. 27, 1968.

'R 6620'.

338469 to 338489. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Hawaii. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu. Received Nov. 27, 1968.

338469. H. 53-4662.

338475. H. 58-9972.

338470. H. 53-4764.

338476. H. 58-9974.

338471. H. 53-4793.

338477. H. 60-6909.

338472. H. 57-5174.

338478. H. 60-9924.

338473. H. 58-9966.

338479. H. 61-5699.

338474. H. 58-9968.

338480. H. 61-5700.

338469 to 338489—Continued

- | | |
|---------------------|---------------------|
| 338481. H. 61-5894. | 338486. H. 63-8399. |
| 338482. H. 61-5896. | 338487. Keong. |
| 338483. H. 61-5897. | 338488. Arundoid B. |
| 338484. H. 63-8391. | 338489. Arundoid C. |
| 338485. H. 63-8397. | |

338490 to 338496.

From Bulgaria. Seed presented by Chr. Daskaloff, Institute of Genetics and Plant Breeding, Sofia. Received Nov. 29, 1968.

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|--|----------------------|
| 338490. CAPSICUM ANNUUM L. Solanaceae. | Pimento. |
| Male sterile, F _s . | |
| 338491. CAPSICUM (hybrid) | |
| Male sterile, F _s . (<i>C. annum</i> × <i>C. pendulum</i>). | |
| 338492 to 338496. LYCOPERSICON ESCULENTUM Mill. Solanaceae. | Tomato. |
| 338492. 'Balkan'. | 338495. 'Pioneer 2'. |
| 338493. 'Drushba'. | 338496. 'Vitosha'. |
| 338494. 'Pioneer 1'. | |

338497 to 338506. ARACHIS HYPOGAEA L. Leguminosae.

From India. Seed presented by Indian Agricultural Research Institute, Division of Plant Introduction, New Delhi. Received Dec. 5, 1968.

Regional Research Station, Tindivanam, Madras.

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|--|-----------------------|
| 338497. A.H. 6742. | 338499. A.H. 7616. |
| 338498. A.H. 6644. | 338500. T.M.V. 6. |
| Agricultural College and Research Institute, Coimbatore, Madras. | |
| 338501. T.M.V. 7. | |
| Punjab Agricultural University, Ludhiana, Punjab. | |
| 338502. A.H. 259. | 338505. Cochin White. |
| 338503. C-3. | 338506. F-15. |
| 338504. Cochin Red. | |

338507. BRASSICA NAPUS var. NAPOBRASSICA (L.) Reichb. Brassicaceae. Rutabaga.

From Canada. Seed presented by G. W. Ayers, Canada Department of Agriculture Research Station, Charlottetown, Prince Edward Island. Received Dec. 5, 1968.

'York'. Purple top, globe, flesh yellow, taproot deep, fibrous roots sparse. Table quality superior. Resistant to clubroot races 2, 3, 5, 6, 7.

338508 to 338510. NICOTIANA TABACUM L. Solanaceae. Tobacco.

From Taiwan. Seed presented by Hsiung Wan, Department of Agronomy, National Taiwan University, Taipei. Received Dec. 5, 1968.

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| 338508. T.I. 1502. 'W.K. 39'. Developed in South Africa. |
| 338509. T.I. 1503. 'Immunzi'. From U.S.S.R. via Southern Rhodesia. |
| 338510. T.I. 1504. 'Trapezund 161.' |

338511 and 338512. ORYZA SATIVA L. Gramineae. Rice.

From Taiwan. Seed presented by the Provincial Chung-Hsing University, Taichung. Received Dec. 5, 1968.

338511 and 338512—Continued

338511. YH-1.

338512. YH-2.

338513 to 338515. SACCHARUM (hybrid) Gramineae. Sugarcane.

From Taiwan. Cuttings presented by the Taiwan Sugar Experiment Station, Tainan. Received Dec. 9, 1968.

338513. 'Hualien-5'.

338514. F-155.

338515. F-156.

338516 to 338533.

From Greece. Seed presented by the Institute of Cereals, Thessalonika. Received Dec. 9, 1968.

338516 and 338517. AVENA SATIVA L. Gramineae. Common oats.

338516. 'Kassandra'.

338517. 'Trispermir'.

338518. HORDEUM sp. Gramineae.

'Attiki'.

338519. HORDEUM sp.

'Beka'.

338520. HORDEUM sp.

'Cascade'.

338521. HORDEUM sp.

'Elasson'.

338522. HORDEUM sp.

'Pirolina'.

338523. HORDEUM sp.

'Rivale'.

338524. HORDEUM sp.

'Thermi'.

338525 to 338533. TRITICUM AESTIVUM L. Gramineae. Common wheat.

338525. 'Amintas'.

338530. 'Niki'.

338526. 'Generoso'.

338531. 'Olimpia'.

338527. 'Elektra'.

338532. 'Pella'.

338528. 'Limnos'.

338533. 'Pindos'.

338529. 'Methoni'.

338534 to 338549.

From Belgium. Plant material received from Robert deBelder, Arboretum Kalmthout, Kalmthout. Numbered Dec. 10, 1968.

338534. SALIX × BOYDII E. F. Linton Salicaceae.

(S. *lantana* × *reticulata*).

338535. SALIX × COTTETTI Kerner.

(S. *myrsinifolia* × *retusa*).

338534 to 338549—Continued338536. *SALIX GRAHAMII* Borrer338537. *SALIX HASTATA* L.

'Wehrhahnii'. Male selection.

338538. *SALIX HELVETICA* Vill.338539 and 338540. *SALIX LANATA* L.

338539. 'Stuartii'.

338540. No varietal name.

338541. *SALIX LAPPONUM* L.338542. *SALIX MYRSINITES* var. *JACQUINIANA* (Willd.) Koch338543 and 338544. *SALIX RETUSA* L.

338543. Low bush.

338544. Creeping type.

338545. *SALIX SERPYLLIFOLIA* Scop.338546. *SALIX SIMULATRIX* B. White(*S. arbuscula* × *herbacea*).338547. *SALIX UNDBLATA* Ehrh. *una unci (5000)*338548. *SALIX* sp.338549. *SALIX* sp.**338550. ORYZA SATIVA** L. Gramineae.**Rice.**

From Taiwan. Seed presented by the Taiwan Agricultural Research Institute, Taipei. Received Dec. 10, 1968.

'Kaohsiung shen 2'.

338551. TRITICUM AESTIVUM L. Gramineae. **Common wheat.**

From Australia. Seed presented by the New South Wales Department of Agriculture, Sydney. Received Dec. 16, 1968.

'Windebri'. Temora Agricultural Research Station.

338552 to 338562. ARACHIS HYPOGAEA L. Leguminosae.

From Brazil. Seed collected by N. W. Gilbert, University of Arizona Technical Assistance Contract, U.S. Agency for International Development, Fortaleza. Received Dec. 18, 1968.

Collected in State of Ceara at locations indicated, August 1968.

338552. Col. Ce 68-1. Vicinity Assaré.

338553. Col. Ce 68-2. Varzea Alegre.

338554. Col. Ce 68-3. 'Paulista'. Vicinity Crato.

338555. Col. Ce 68-4. Caririagu.

338556. Col. Ce 68-5. 'Galenjão'. Juazeiro do Norte.

338557. Col. Ce 68-6. Barbalha.

338558. Col. Ce 68-7. Lavras da Mangabeira.

338559. Col. Ce 68-8. Porteiras.

338560. Col. Ce 68-9. 'Jacobina'. Crato.

338561. Col. Ce 68-10. 'Mandobim'. Crato.

338562. Col. Ce 68-11. Public market, Crato.

338563 to 338582. ZOYSIA JAPONICA Steud. Gramineae.
Japanese lawngrass.

From Korea. Seed presented by Sang Yung Shim, Institute of Forest Genetics, Suwon. Received Oct. 4, 1968. Numbered Dec. 19, 1968.

All collections from local sites near Institute headquarters.

- 338563. No. 1. Moderately wet area.
- 338564. No. 2. In pine stand.
- 338565. No. 3. Near dam.
- 338566. No. 4. Clone bank.
- 338567. No. 5. Near netting house.
- 338568. No. 6. Front weather station.
- 338569. No. 7. Near greenhouse (5).
- 338570. No. 8. Under shade of alder tree, wet area.
- 338571. No. 9. Entrance of grass trial field.
- 338572. No. 10. Seed orchard, east side.
- 338573. No. 11. Near alder tree plot, dry spot.
- 338574. No. 12. Near main entrance, beside exotic tree plot.
- 338575. No. 13. Front of laboratory.
- 338576. No. 14. Near east gate.
- 338577. No. 15. Poplar sample plot.
- 338578. No. 16. Near pine seedling nursery.
- 338579. No. 17. In chestnut field.
- 338580. No. 18. Near pine sample plot.
- 338581. No. 19. In grass sample plot.
- 338582. No. 20. Near crotalaria plot.

338583 to 338613.

From Costa Rica. Seed collected by A. J. Oakes, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Oct. 16, 1968. Numbered Dec. 23, 1968.

Collected at the Instituto Interamericano de Ciencias Agrícolas, Turrialba.

- 338583. CAJANAS FLAVUS DC. Leguminosae.
Col. 817.
- 338584. CANAVALIA ENSIFORMIS (L.) DC. Leguminosae. **Jack-bean.**
Col. 807. No. 4181. 1965 seed.
- 338585. CANAVALIA GLADIATA (Jacq.) DC. **Sword-bean.**
Col. 808. 1964 seed.
- 338586. CASSIA sp. Leguminosae.
Col. 800. No. 3448. 1967 seed.
- 338587. CENTROSEMA PLUMIERI (Turp.) Benth. Leguminosae.
Col. 806. 1965 seed.
- 338588. CENTROSEMA PUBESCENS Benth.
Col. 805. 1968 seed.
- 338589. CROTALATIA sp. Leguminosae.
Col. 787. Plants 2 m. high, branched, leaves trifoliate.

338583 to 338613—Continued

338590. CROTALARIA ~~sp.~~ *macronata* (Sw.) B.T.
Col. 788. Plants 1 to 2 m. high, branched, leaves trifoliate.
338591. CROTALARIA sp.
Col. 797. Plants 2 to 3 m. high, branched, flowers borne on long terminal spikes, pods 3 to 4 cm. long, 10 to 12 mm. thick, flat on two sides.
338592. CROTALARIA sp.
Col. 799.
338593. DESMODIUM BARBATUM (L.) Benth. Leguminosae.
Col. 813. 1963 seed.
338594. DESMODIUM INTORTUM (Mill.) Urb.
Col. 814.
338595. DESMODIUM OVALIFOLIUM Guill & Perr.
Col. 812. 1968 seed.
338596. DESMODIUM sp.
Col. 801. 1965 seed.
338597. DESMODIUM sp.
Col. 802. 1965 seed.
338598. DESMODIUM ~~sp.~~ *hiogoense* (Sw.) B.T.
Col. 803. 1965 seed.
338599. DESMODIUM sp.
Col. 804. No. 18. 1967 seed.
338600. DESMODIUM ~~sp.~~ *cassum* (Sw.) B.T.
Col. 819.
338601. DOLICHOS LABLAB L. Leguminosae. Hyacinth-bean.
Col. 818.
338602. GLYCINE WIGHTII (R. Grah. ex Wight & Arn.) Verdcourt Leguminosae.
Col. 815. B-4-013. 1968 seed.
338603. INDIGOFERA ~~sp.~~ Leguminosae. *brachypteris* (Sw.) B.T.
Col. 795. Prostrate, viny.
338604. INDIGOFERA sp.
Col. 789. Resembles *I. hirsuta*.
- 338605 and 338606. LEUCAENA LEUCOCEPHALA (Lam.) deWit Leguminosae.
Leadtrees.
338605. Col. 791. No. 64.041. Plot N-12. Plants 2 to 3 m. high with branches near ground level.
338606. Col. 792. Living fence post, 10 to 12 m. high. Heavy seed production.
338607. LEUCAENA sp.
Col. 790. Plants 2 to 3 m. high, branched, few lower branches, pods 9 to 12 cm. long, 1.0-1.5 cm. wide, thin.
338608. PANICUM ANTIDOTALE Retz. Gramineae. Blue panicgrass.
Col. 840.

338583 to 338613—Continued

338609. ~~Panicum~~ sp. *Sacciolepis villosides* (Sw.) ³⁷)

Col. 838. Twenty km. south of Cartago. Elevation 1,500 m. In grazed rangeland. Plants 2 cm. high. Seedheads 4 to 8 cm. long including stem.

338610. PSOPHOCARPUS TETRAGONOLOBUS (L.) DC. Leguminosae.

Goabean.

Col. 816. 1967 seed.

338611. STIZOLOBIUM sp. Leguminosae.

Col. 809.

338612 and 338613. TERAMNUS UNCINATUS (L.) Swartz Leguminosae.

338612. Col. 810.

338613. Col. 811. 010-274. 1968 seed.

INDEX OF COMMON AND SCIENTIFIC NAMES

* If the species of a genus do not have distinct common names, they share the same common name as the genus.

- Abies kawakmii*, 324940, 330951.
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- Acacia acatensis*, 324342.
buxifolia, 330371.
cyclops, 330654.
dawsoni, 330372.
decora, 330373.
diffusa, 330374.
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