

293067 to 293087—Continued

293078. Col. No. 73. Location same as P.I. 293077. Leaves have long, sharp apical lobes.

293079. Col. No. 74. Location same as P.I. 293077. Leaves glossy.

293080. Col. No. 76. Brush behind ranger station and Rio Grande side channel, Boquillas, Big Bend National Park, Tex. Plants abundant, dense on shrubs; leaves light yellowish green, glabrous when mature; shoots downy, light pink tipped.

293081. Col. No. 77. West side of canyon, ranger station, Boquillas, Big Bend, Tex. Male vine; shoots light yellowish green, downy tipped.

293082. Col. No. 78. Location same as P.I. 293081. Vine fruitful.

293083. Col. No. 81. Dry ravine, Grapevine Hills, Big Bend National Park, Tex. Weak male climber on shrubs; leaves dark green with some scorch.

293084. Col. No. 82. Location same as P.I. 293083. Male vine.

293085. Col. No. 84. Location same as P.I. 293083. Internodes long.

293086. Col. No. 85. Oak Creek Canyon, Big Bend National Park, Tex. Several vines in willows; fruitless.

293087. *VITIS* sp.

Col. No. 67. Rocky base of Camp Chalk Bluff, Highway 55, 20 miles northwest of Uvalde, Tex. Vine in oak tree; trunk thin; leaves smooth, glossy, dark green; berries small, ripe.

293088 to 293151.

From Mexico. Cuttings, unless otherwise noted, collected by H. P. Olmo and A. Koyama, University of California, Davis. Collected August 1961. Numbered Oct. 7, 1963.

293088 and 293089. *AMPELOPSIS* cf. *CORDATA* Michx. Vitaceae.

293088. Col. No. 17. 'Hedera'. Weathered granite, south bank of Arroyo Seco da Patroan Zoc, 11.6 miles southwest of Garcia, road to Hubejecal, Zacatecas. Creeper; leaves fleshy, dark green, cordate, 3.5 by 2.5 inches, long petioled, finely pubescent; sinus narrow, V-shaped; shoots ribbed; fruit green.

293089. Col. No. 18. Rocky ledges in deep ravine, Highway 70, Zapoqui, Aguascalientes. Climber; leaves simple, entire, cordate, fleshy, margin smooth; berries in small clusters, black, 0.46 inch diameter. Roots collected.

293090. *CISSUS RHOMBIFOLIA* Vahl Vitaceae.

Col. No. 22. Fractured rocks, hot rain forest, 6 miles west of Naranjo, San Luis Potosi. Plants common, spreading; stems thickened, bulbous near ground; leaves trifoliate; umbels conspicuous; flowers carmine.

293091. *CISSUS SICYOIDES* L.

Col. No. 24. Rocky outcrops, hot rain forest, steep slope, 16 miles west of Naranjo, San Luis Potosi. Weak climber; stems thickened, lenticellate; leaves pointed, ovate, 1.5 by 2 inches, margin smooth; no flowers or fruit seen.

293092 and 293093. *CISSUS TRIFOLIATA* L.

293092. Col. No. 15. Stream bank, with willow and bald cypress, Rio Nazas, 14 miles northwest of El Rodeo, Durango. Plants sporadic, climbing by tendrils, to 10 feet high, not yet flowering; roots cylindrical, bulbous; leaves trifoliate, with few large obtuse teeth, dark green, fleshy, foetid when crushed; shoots glabrous. Roots collected.

293093. Col. No. 62. Desert mesa streambed, two miles south of Cadereyta, Nuevo Leon. Slender, weak climber on shrubs in full shade; stems glabrous; leaves 1.5 by 1.25 inches, fleshy, glabrous, re-