

284704 to 284729—Continued

284704. *LUPINUS ADSURGENS* Drew Fabaceae.

Col. No. 19772. Valley slope, Hearst, Mendocino County, Calif. Elevation 1,700 feet. Biennial or short-lived perennial herb to 20 inches high; stems leafy.

284705. *LUPINUS ALBICAULIS* Dougl. ex Hook.

Col. No. 19798. Roadside Yosemite National Park, one mile south of Chinquapin, Madera, Calif. Elevation 6,200 feet. Perennial to 30 inches high, erect, herbaceous.

284706. *LUPINUS ALBICAULIS* var. *SHASTENSIS* (Heller) C. P. Smith

Col. No. 19790. Roadside, 4 miles northwest of Ahwahnee, road to Mariposa, Calif. Perennial herb to 40 inches high, rank, tender, with several branches; spikes long; flowers purple.

284707 and 284708. *LUPINUS ALBIFRONS* Benth.

284707. Col. No. 19755. Roadside, Hwy. 49, 10 miles south of Auburn, Placer County, Calif. Spreading perennial bush to 48 inches high; leaves silvery, canescent; flowers purple.

284708. Col. No. 19777. Route 32, 16 miles north of Forest Ranch, Butte County, Calif. Elevation 3,500 feet. Leafy, spreading perennial bush to 24 inches high; crown gray, canescent; spikes upright, to 8 inches long.

284709 to 284711. *LUPINUS ANDERSONII* S Wats.

284709. Col. No. 19758. Shady roadbank near Auburn, Placer County, Calif. Elevation 1,500 feet. Perennial herb to 20 inches high; stems leafy.

284710. Col. No. 19759. Highway 49, 3 miles south of Grass Valley, Calif. Elevation 1,750 feet. Perennial herb to 24 inches high; stems several, from root crown; flowers whitish.

284711. Col. No. 19781. Pine-oak forest along Hwy. 32, Forest Ranch, Butte County, Calif. Perennial herb; flowers white. Entire plants eaten by horses.

284712. *LUPINUS ARBUSTUS* Dougl.

Col. No. 19780. Twenty-two miles south of junction of Hwy. 32 and 89, Tehama County, Calif. Elevation 3,500 feet. Perennial to 30 inches high; taproot strong; flowers lavender.

284713. *LUPINUS BICOLOR* Lindl.

Col. No. 19748. Meadow, south end of Cuyamaca Lake, San Diego County, Calif. Plant to 12 inches high; flowers purple. Abundant winter-spring annual.

284714. *LUPINUS CAUDATUS* Kell.

Col. No. 19800. Roadside in dry sand and volcanic ash, 12 miles north of Tom's Place, Mono County, Calif. Bush perennial to 16 inches high; stems many, from base; flowers white.

284715 to 284718. *LUPINUS CONCINNUS* Agardh

284715. Col. No. 19683. Sandy silt valley plain 13 miles east of Chowchilla, road to Raymond, Calif. Abundant, early, spring annual; flowers purple.

284716. Col. No. 19692. Roadside 8 miles northwest of Proville, road to Chico, Calif. Abundant winter-spring annual; flowers small, light purple.

284717. Col. No. 19743. Colonial in sandy loam fallow field 7 miles southeast of Temecula, Riverside County, Calif. Elevation 1,000 feet. Spring annual to 12 inches high; flowers terminal purple. Abundant.