

380603 to 381079—Continued

380691. *ASTRAGALUS LURISTANICUS* Bornm.

150. Zarbadah. Perennial plant. Pubescent gray foliage, 20 leaflets, basal. Inflated seed heads. Hairy indurate pods. Wild.

380692. *ASTRAGALUS ORBICULATUS* Ledeb.

14. Forty km. south of Isfahan Kol. Perennial plant, orbicular basal leaf like *O. gaubae*. Seed pod nearly straight, 4 cm. long. Wild.

380693 and 380694. *ASTRAGALUS RADDEI* N. Basil.

380693. 20. On road to Dehbid, 123 km. north of Shiraz. Perennial, spiny plant. Inflated seed on end of stem 10 cm. above plant. Wild.

380694. 30. Bouman game preserve, Shiraz. Perennial spiny shrub to 15 cm. high, 30 cm. across. Similar to P.I. 380693. Wild.

380695 to 380698. *ASTRAGALUS SILIQUOSUS* Boiss.

380695. 227. Fifty-five km. north of Sanandaj. Biennial. Wild.

380696 235. Forty km. west of Bijar. Biennial with yellow flowers. Rainfall 400 mm. Elevation 1,800 m. Wild.

380697. 314. Lashkarak, northeast of Tehran. Steep, rocky canyon, dry site along river. Wild.

380698. 341. Nine km. north of Nujian. Biennial plant to 1 m. tall. Collected from oak forest. Elevation 1,900 m. Wild.

380699. *ASTRAGALUS SPINESCENS* Bunge

8. Sixty-nine km. south of Ghom. Perennial spiny shrub to 30 cm. high, 50 cm. across. Pods sessile on stems, curve outward. Pods 3 cm. in diameter, 10 cm. long, pointed, woody. Leaves deciduous. Wild.

380700 to 380702. *ASTRAGALUS TRIBULOIDES* Del.

380700. 148. Zardabeh. Annual to 10 cm. spreading, semi-erect. Four pods terminal and along stem at 2 to 4 cm. intervals. Few leaves. Wild.

380701. 153. Zardabeh. Annual to 30 cm. high, erect. Branched stems. Pods terminal. Wild.

380702. 194. Protected area, Mooteh. Annual to 15 cm. Cluster of pods terminal. Wild.

380703. *ASTRAGALUS VAGINATUS* Pall.

49. Hosseinabad enclosure, 32 km. west of Shiraz, Fars Province. Perennial to 32 cm. high. Foliage similar to *Onobrychis*, but seed in pods similar to a raceme. Nonspiny. Only one plant found. Wild.

380704. *ASTRAGALUS* sp.

7. Desert area, 60 km. south of Ghom. Prostrate annual spreading to 18 cm. Pods three quarter circle, 4 cm. diameter. Abundant in local spots, heavily grazed. Wild.

380705. *ASTRAGALUS* sp.

13. Forty km. south of Isfahan. Perennial spiny plant. Seeds on indurate pod at base of plant. Spines also at ends of compound leaf. Gravelly clay barren site. Wild.

380706. *ASTRAGALUS* sp.

15. Izad-Khaste enclosure, 50 km. north of Abadeh. Perennial plant, prostrate to semi-erect. Slender stems brittle. Red blossoms, narrow leaves. Narrow sickle pod. May be similar to P.I. 380687. Abundant in gravelly clay soil. Wild.

380707. *ASTRAGALUS* sp.

16. Izad-Khaste enclosure, 50 km. north of Abadeh. Perennial erect plant