

479647-continued

JH-63-82. Japan. US National Arboretum. 51082. Collected September 17, 1982. Abashiri National Forest, Urbar, Abashiri-shi, Hokkaido. 230m. Snow cover 50cm or deeper for 20 days. Minimum temperature -29C. Climber woody, with strong tendrils, climbing over shrubs and trees, 3-4.6m tall. Leaves deep green above and rugulose, brownish beneath. Fruit turning purple. Growing in field no. 122. Wild. Seed.

479648 TO 479650. *Weigela hortensis* (Sieb. & Zucc.) K. Koch
(Caprifoliaceae).

From Japan. Collected by Kawase, M.; Nielsen, D.; Meyer, F.; March, S.; Ohio Agricultural Research & Development Center; US National Arboretum; Wooster, Ohio; Washington, D.C.

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479648. JH-255-82. Japan. US National Arboretum. 51273. Collected October 03, 1982. Botanic Garden, Hokkaido Univ., Sapporo-shi, Hokkaido. Lat. 43 deg. 03' N, Long. 141 deg. 22' E. Snow cover for 55 days 50cm or deeper. Minimum temperature -24C. Shrub deciduous, 1.7-3m tall, multitrunked from base and suckering. Branches arching. Stems smooth, light gray. Leaves dark green above with impressed veins, whitish beneath. Seed collected from 2 plants. Cultivated. Seed.

479649. JH-290-82. Japan. US National Arboretum. 51309. Collected October 06, 1982. Mori National Forest, Akaigawa, Mori-machi, Kayabe-gun, Hokkaido. 390m. Lat. 42 deg. 0' N, Long. 140 deg. 39' E. Snow cover for 2 days 50cm or deeper. Minimum temperature -18C. Shrub deciduous, 1.5-1.8m tall, multitrunked from base. Branches arching. Water shoots dark brown. Leaves above with impressed veins, strongly raised beneath. Common on open slope. Seed collected from several plants. Wild. Seed.

479650. JH-325-82. Japan. US National Arboretum. 51344. Collected October 09, 1982. Along Kendo #1 Hwy, Kansuizawa, Aomori-shi, Aomori-ken, Honshu. 730m. Lat. 40 deg. 39' N, Long. 140 deg. 50' E. Snow 2-3m; 58 days covered by snow 50cm or deeper. Minimum temperature -20C. Shrub deciduous, 1.8-2.1m tall, multitrunked from base. Branches arching. Leaves dark green above with impressed veins, lighter beneath and rugose. Growing in open woodland. Seed collected from 2 plants. Wild. Seed.

479651 TO 479652. *Weigela middendorffiana* (Carr.) K. Koch
(Caprifoliaceae).

From Japan. Collected by Kawase, M.; Nielsen, D.; Meyer, F.; March, S.; Ohio Agricultural Research & Development