479643-continued
Furano Forest, Yamabe, Furano-shi, Hokkaido. Lat. 43 deg. 14' N, Long. 142 deg. 24' E. Snow cover 2.5m per annum. Minimum temperature -30C. Shrub deciduous, multistemmed, 4.6m tall. Bark light gray. Leaves dull, dark green above. Fruit nearly globose, fleshy, dark red to purplish. Seed collected from one plant. Cultivated. Seed.

479644 TO 479646. Viburnum wrightii Miq. (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.
Received February 1983.

479644. JH-79-82. Japan. US National Arboretum. 51098. Collected September 18, 1982. Shari National Forest, Utoro, Shari-machi, Shari-gun, Hokkaido. 350m. Lat. 44 deg. 03' N, Long. 145 deg. 0' E. Snow fall 2m per annum. Shrub deciduous. Leaves light green above, light green beneath. Fruit fleshy, crimson. Growing on dense, bushy, steep mountain slope in woods with trees same as JH-75. Seed collected from several plants. Wild. Seed.

479645. JH-271-82. Japan. US National Arboretum. 51292. Collected October 05, 1982. Arboretum, Hokkaido Pref. Forest Exp Sta.,Kikyo-machi,Hakodate-shi,Hokkaido. Lat. 41 deg. 49' N, Long. 140 deg. 48' E. Snow cover for 2 days by 50cm or deeper. Minimum temperature -18C. Shrub deciduous, 1.2-1.5m tall, multistemmed from base. Habit erect. Leaves dark green above, pale beneath. Fruit purplish-red, large, lustrous in dense clusters. Seed collected from one tree moved from Gabino-machi in Hakodate-shi. Cultivated. Seed.

479646. JH-281-82. Japan. US National Arboretum. 51293. Collected October 05, 1982. Arboretum, Hokkaido Pref. Forest Exp Sta.,Kikyo-machi,Hakodate-shi,Hokkaido. Lat. 41 deg. 49' N, Long. 140 deg. 48' E. Snow cover for 2 days by 50cm or deeper. Minimum temperature -18C. Plants same as JH-271-82. Cuttings collected. Cultivated. Cuttings.

479647. Vitis coignetiae Pulliat. (Vitaceae).

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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