

479422 TO 479425-continued

Collected October 08, 1982. Tsuta Numa, Towada-shi, Aomori-ken, Honshu. Lat. 40 deg. 33' N, Long. 140 deg. 58' E. Snow 2-3m, 58 days covered by snow 50cm or deeper. Minimum temperature -20C. Shrub deciduous, 1.2-1.7m tall, multistemmed from base. Leaves dark green above with impressed veins; lustrous and pale green beneath. Growing by edge of stream under shade in woodland. Seed collected from one plant. Wild. Seed.

479425. JH-334-82. Japan. US National Arboretum. 51354. Collected October 09, 1982. Yunotai, Towada-shi, Aomori-ken, Honshu. Lat. 40 deg. 37' N, Long. 140 deg. 58' E. Snow 2-3m, 58 days covered by snow 50cm or deeper. Minimum temperature -20C. Shrub deciduous, 1.2-1.5m tall, multistemmed from base, erect. Leaves dark green above, rugose beneath. Flowers bluish. Bracts deep blue. Forms extensive colonies in open areas, on edge of woodland. Seed collected from several plants. Wild. Seed.

479426 TO 479429. *Hydrangea paniculata* Sieb. (Saxifragaceae).

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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479426. JH-1-82. Japan. US National Arboretum. 51020. Collected September 11, 1982. Togeshita near Rumoi-shi, Hokkaido. 342m. Lat. 43 deg. 53' N, Long. 141 deg. 47' E. Snow cover 50cm or more for 73 days. Minimum temperature -23C. Shrub to 2.5m tall, erect, wide, spreading. Leaves light green above, whitish beneath. Only the outermost flowers sterile. Growing at edge of woodland on open hillside with *Alnus*, *Sasa*, & *Vitis*. Seed from several plants. Wild. Seed.
479427. JH-40-82. Japan. US National Arboretum. 51058. Collected September 15, 1982. Arboretum, Teshio Forest, Toikanbetsu, Horonobe-cho, Teshio-gun, Hokkaido. Lat. 44 deg. 53' N, Long. 141 deg. 55' E. Snow cover 1-2m per annum. Minimum temperature -17C. Shrub deciduous, 1.5-1.8m tall, dense habit. Leaves dark green above, somewhat rugose. Bracts of sterile flowers rose pink. Seed from one plant moved from wild. Cultivated. Seed.
479428. JH-159-82. Japan. US National Arboretum. 51181. Collected September 25, 1982. SW slope of Mt. Iwo, Teshikaga-machi, Kawakami-gun, Hokkaido. Lat. 43 deg. 36' N, Long. 144 deg. 26' E. Snow cover 60cm per annum. Minimum temperature -25C. Shrub deciduous, 1.5-2.5m tall. Branches many, especially in upper portion. Leaves deep