deg. 03' N, Long. 145 deg. 10' E. Snow cover 1.5m per annum. Minimum temperature -20C. Tree evergreen, low, 1.2-3m tall, usually with ascending trunks, sometimes erect, forms extensive dense stands to the timber line. Bark scaly in old specimens. Leaves blue green. Cones brown (very rare this season). Growing in open field with Sasa. Wild. Seed.

479522. JH-163-82. Japan. US National Arboretum. 51185. 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 60cm per annum. Minimum temperature -25C. Shrub to small tree, evergreen, 2.5-3.0m tall. Lower portion of trunk decumbent, rarely erect. Bark somewhat flaky, peeling in old plants, dark brown. Leaves strongly blue-green. Cones terminal, scarce. Forms extensive and continuous forests on open slopes. Seed collected from several trees. Wild. Seed.

479523. JH-249-82. Japan. US National Arboretum. 51241. Collected September 29, 1982. South slope of Mt. Dairoku, Furano-shi, Hokkaido. Lat. 43 deg. 36' N, Long. 144 deg. 26' E. Snow cover 2.5m per annum. Minimum temperature -30C. Seedlings collected. Wild. Plants.

479524. Plagiogyria semicordata subsp. matsumureana (Makino) Nakaike (Plagiogyriaceae).

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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JH-54-82. Japan. US National Arboretum. 51072. Collected September 15, 1982. Hokkaido Univ., Uryu Forest, Moshiri, Horokanai-cho, Uryu-gun, Hokkaido. Snow 1.5-2.5m per annum. Minimum temperature -35C. Fern, 61cm tall, densely tufted with thick woody root. Leaves dimorphic, leathery, lustrous on upper side. Fertile fronds rising above sterile. Growing on a deeply shaded, moist bank above rivulet near forest marker 320. Wild. Plants.

479525. Polygonatum sp. (Liliaceae).

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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