

479318 TO 479322-continued

peeling in thick rough plates. Leaves dark green above. Fruit erect on branches. Extremely common, the dominant deciduous tree of the area. Growing on open hillside with Acer under dense Pinus pumila and Sasa. Seed collected from several trees. Wild. Seed.

479321. JH-130-82. Japan. US National Arboretum. 51154. Collected September 22, 1982. Akkeshi Pref. Forest, Bekambegyu, Akkeshi-machi, Akkeshi-gun, Hokkaido. Lat. 43 deg. 06' N, Long. 145 deg. 0' N. Snow cover 40cm deepest 1.3m. Minimum temperature -20C. Tree deciduous, 18-21m tall. Bark grayish white with metallic sheen. Leaves lustrous deep green above, yellowish green beneath. Aments erect. Very common in woodland. Seed collected from 2 plants. Wild. Seed.

479322. JH-346-82. Japan. US National Arboretum. 51365. Collected October 10, 1982. Mt. Tamoyachidake, Rt 1, Aomori-shi, Aomori-ken, Honshu. 1324m. Lat. 40 deg. 37' N, Long. 140 deg. 56' E. Tree deciduous, 4.5m tall, gnarled. Branches dark brown, lustrous. Bark tan to whitish, glossy, peeling in thin strips. Fruit erect. Common mixed with Tsuga and Abies. Seed collected from 2 plants. Wild. Seed.

479323 TO 479325. Betula maximowicziana Regel (Betulaceae).

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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479323. JH-32-82. Japan. US National Arboretum. 51052. Collected September 14, 1982. Hokkaido Univ., 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. Seeds collected in forest and presented to group. Wild. Seed.

479324. JH-152-82. Japan. US National Arboretum. 51174. Collected September 24, 1982. W side of Lake Kusharo, Urankoshi, Teshikaga-machi, Kawakami-gun, Hokkaido. Lat. 43 deg. 34' N, Long. 144 deg. 19' E. Snow cover 60cm per annum. Minimum temperature -25C. Tree deciduous, 20m tall. Branches wide spreading. Bark smooth, gray, rough at base of trunk. Leaves dull, light green above, impressed veins, lighter beneath, petioles light green. Fruiting aments pendulous. Very common in forest. Wild. Seed.

479325. JH-168-82. Japan. US National Arboretum. 51190. Collected September 25, 1982. Teshikaga-machi, Kawakami-