

ACTINIDIA POLYGAMA—PLAN.

Syn. : *Trochostigma polygama*—SIEB & ZUC.

Japanese : Matatabi.

Hab : Mountains of central Honshiu and throughout Yezo, also found in the island of Saghalien (Schmidt and Glehn).

A graceful vine with rather loose though fairly rich foliage. The leaves are 2 to 3 inches broad and $2\frac{1}{2}$ to 5 inches long. The flowers are scattering along the stem, frequently single, though more generally in twos or threes; somewhat showy, one inch broad. The fruit, which is a berry, closely resembles that of *A. arguta*, and usually occurs in twos or threes.

In Yezo, this vine is almost wholly confined to the mountainous districts, having been found most frequently at elevations ranging from 2,000 to 3,000 feet. It is rarely or never seen in the bottom lands or on the lower slopes of the foot hills. The high elevation at which it grows, as well as its northern extension, would be tolerably safe guarantees of its hardiness here.

ACTINIDIA PLATYPHYLLA—GRAY.

Syn. : *Trochostigma platyphylla*—SIEB & ZUC.

Hab : Cape Sangar, northern Honshiu, and about Hakodate. (Small).

This would probably prove about as desirable as the first species.

ACTINIDIA ARGUTA—PLANCH.

Syn. : *Trochostigma arguta*—SIEB & ZUC.

Japanese : Kokuwa.

Hab : Kiushiu (*Siebold*) Yezo, about Hakodate (*Max.*). Common through Yezo.

A large, graceful vine; a rather more southern type than the others, but decidedly the best northern representative of the genus. Leaves, dark and shining, three inches long, two broad. Flowers several to many, $\frac{1}{2}$ to $\frac{3}{4}$ inch broad, white. More showy than in the preceding on account of greater number. Fruit, an edible berry of agreeable taste and flavor.

In its distribution, it is interesting to note that this species, which extends at least to 44° N. lat. is found even to the southern limits of the principal islands (Kiushiu) in latitude 32° N., though it is more abundant through the mountains of central and northern Honshiu and reaches its best development in the island of Yezo, where it is