

THE FIRST INLAND LOCALITY OF BRYOXIPHIMUM SAVATIERI  
(HUSN.) MITT. IN THE RUSSIAN FAR EAST

ПЕРВАЯ ВНУТРИКОНТИНЕНТАЛЬНАЯ НАХОДКА  
BRYOXIPHIMUM SAVATIERI (HUSN.) MITT.  
НА РОССИЙСКОМ ДАЛЬНЕМ ВОСТОКЕ

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Abstract

A rare moss, *Bryoxiphium savatieri* (Husn.) Mitt. is found in middle part of Amur River Basin. This is the first locality of the species in inland regions of Russia. All previously known localities in the North-East Asia were confined to the costal areas.

Резюме

Редкий мох *Bryoxiphium savatieri* (Husn.) Mitt. обнаружен в среднем течении реки Амур. Это первое местонахождение данного вида в континентальных районах России. Все ранее известные местонахождения на северо-востоке Азии были строго приурочены к морским побережьям.

During our investigation of the vascular flora in the Jewish Autonomic Region, on July 11, 1997, we have collected a beautiful moss, later determined by V. Ya. Cherdantseva as *Bryoxiphium savatieri* (Husn.) Mitt. (= *B. norvegicum* (Brid.) Mitt. subsp. *japonicum* (Beggr.) A. et D.Löve) (VLA).

This locality lies near Amur River 1 km to the north of Drobovitchnaya River, 48° 15'N – 130° 45'E (Fig. 1). *Bryoxiphium* covers the rocky slopes of canyon-like valley of small stream steeply falling into the Amur. The stream has many small water-falls, providing much air moisture in the canyon. *Bryoxiphium* grows on mica-shale rocks in pure tufts associated with two ferns, *Dennstaedtia hirsuta*<sup>3</sup> and *Woodsia manchuriensis*.

The slopes of the hills around the canyon are covered by conifer–broadleaved mixed forests with *Pinus koraiensis*, *Quercus mongolica*, *Betula lanata* and *Duschekia (Alnus) fruticosa*. Two latter species have a principally montane

distribution and are found in the valley of the Amur in the middle course only in this locality. Other rare vascular plants found here are *Galium paradoxum*, *Dennstaedtia wilfordii*, *D. hirsuta*; the latter species is known in Jewish Autonomic Region only from here.

*Bryoxiphium savatieri* is a western-pacific species. It occurs mainly along the sea coasts from Kamtshatka to Indonesian Archipelago. In the northern part of the area it grows only in the coastal localities and in the narrow river valleys near the sea coast. It is known from only a few localities in Russia: Lasovsky Distr. of Primorsky Region, one locality in Western Sakhalin, one locality in Western Kamtshatka and some in the Southern Kuril Islands. In these localities *B. savatieri* grows on wet rocky and stone slopes where the water drops of waterfalls, sea waves and smokes are condensed (Bardunov & Cherdantseva, 1982; Cherdantseva, 1988). However, in Japan (Löve & Löve, 1953) and in China (Redfearn & al., 1996) it grows also far from coast, in mountains.

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3 – nomenclature of vascular plants is according to Czerepanov (1995)

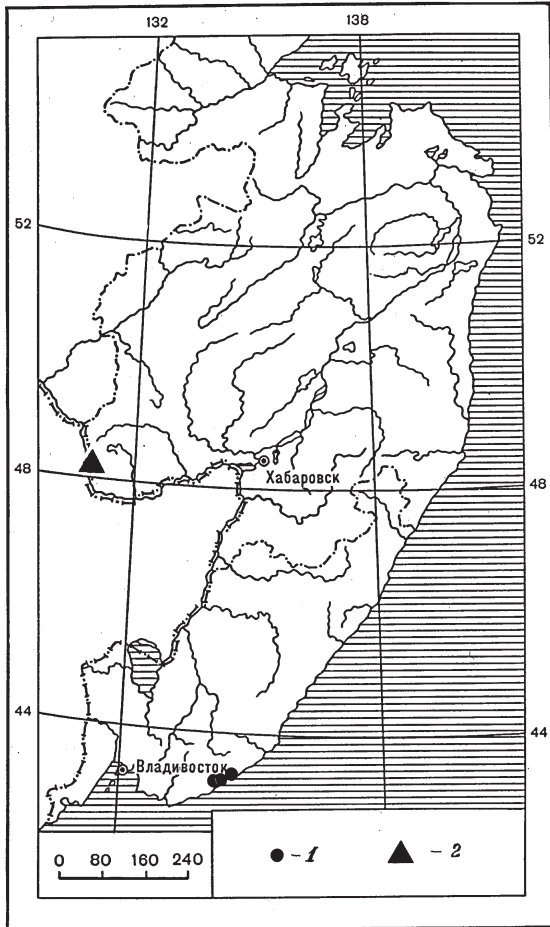


Fig.1. *Bryoxiphium savatieri* (Husn.) Mitt. in Southern Russian Far East. 1 – previously known localities; 2 – new locality.

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