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Remarks on the distribution of *Grimmia*

Following the advice given by KOPONEN & al. (2003: 139), the information concerning species distribution data was taken from the labels of the specimens investigated for this study. Included are the revised specimens kept in E and cited in LONG (2008).

Geographic distribution in the Northern Hemisphere.

From North America to East Asia are *G. alpestris*, *G. anodon*, *G. decipiens*, *G. lisae*, and *G. unicolor*, and, in addition, *G. tergestina* has an isolated record from Equatorial Africa.

From North America to Europe are *G. anomala*, *G. funalis*, *G. muehlenbeckii*, *G. ramondii*, and *G. torquata*, and, in addition, *G. incurva* and *G. trichophylla* which have disjunct populations in Africa south of the Equator, and *G. donniana* in northern India.

From Europe to Asia are *G. crinita*, *G. elatior*, and *G. hartmanii*.

Restricted to North America are *G. nivalis* and *G. pulla*.

Restricted to Europe are *G. caespiticia*, *G. dissimulata*, *G. nutans*, and *G. meridionalis*.

Restricted to East Asia are *G. handelii*, *G. macrotheca*, *G. mamsosa*, and *G. percarinata*.

Restricted to North America and to East Asia are *G. khasiana* and *G. pilifera* which represent an intriguing disjunct distribution pattern. HERZOG (1926: 267, Fig. 100) stated "... eine merkwürdige Disjunktion Anden-Chinesisches Hochgebirge" (a remarkable Andes-Chinese high mountains disjunction), and continued "... es handelt sich um die Disjunktion Mexico-Ostasien" (concerning the Mexico-East Asia disjunction) (HERZOG, 1926: 306). SCHOFIELD & CRUM (1972: 174-202), discuss dramatic disjunctions in bryophytes and came to the conclusion that 'no single hypothesis is sufficient to accomodate all species within any disjunctive pattern'.

Restricted to Equatorial Africa is *G. abyssinica*.

Geographic distributions in the Southern Hemisphere.

From South America to Australia are *G. austrofunalis* and *G. pygmaea*.

From South America to Kerguelen Islands is *G. kidderi*, and to **South Africa** is found *G. tortuosa*.

Restricted to South America is *G. humilis*.

Restricted to La Réunion is *G. maito*.

Restricted to New Zealand is *G. asperitricha*.

Geographic distributions in the Northern and the Southern Hemispheres. *Grimmia atrata*, *G. bicolor*, *G. consobrina*, *G. elongata*, *G. fuscolutea*, *G. laevigata*, *G. longirostris*, *G. montana*, *G. orbicularis*, *G. ovalis*, *G. plagiopodia*, *G. pulvinata*, and *G. sessitana* are found in both hemispheres.