

A World Synopsis Of The Genus *Grimmia*: (Musci, Grimmiaceae)

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New national and regional bryophyte records, 19

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1. *Anomodon rostratus* (Hedw.) Schimp.
Contributor: Özlem Tonguç Yayınlar
Turkey: ADANA, Pozanti, Sekerpinari, Hayat spring water, 36°25'28.95" N, 34°52'36.43" E, 675 m a.s.l., trees on bark, 23 April 2000, leg. Özlem Tonguç Yayınlar *T 849* (MO; herbarium of Çanakkale Onsekiz Mart University).
Anomodon rostratus is in addition to the three species of *Anomodon* listed for Turkey by Kürschner and Erdag (2005). It is a circumboreal montane species distributed in central Europe (Germany south to Spain, east to Italy and Romania), Caucasus (Georgia), North America (Newfoundland to Mexico, west to Arizona and British Columbia), Guatemala, Jamaica, Haiti and Bermuda (Granzow-De la Cerda, 1997). The nearest localities to Turkey for *Anomodon rostratus* are in Syria and Iran (Kürschner, 2006).
Pozanti is located in the Middle Taurus Mountains, which are the westernmost branch of the great Himalayan mountain chain. The area has a climate transitional between that of Central Anatolia and the Mediterranean Region.

2. *Asterella gracilis* (F. Weber) Underw.
Contributor: David G. Long
China: YUNNAN PROVINCE: Gongshan County, Bingzhongluo Xiang, east slope of Guoliang Shan, Nu Jiang (Salween) catchment, valley on S.W. slope of Cawagapu Mountain, 27°59'16.8" N, 98°28'27.4" E, alpine valley with rocky slopes and cliffs above snow patch; under fern clumps on wet scree slope, 3940 m, 20 August 2006, D.G. Long 35918-a (E).
Long (2006) revised the world distribution of *Asterella gracilis*, confirming it in Asia from Russia (Siberia), Iran, India (Jammu & Kashmir) and Japan (Hokkaido, Honshu). This constitutes a new record for China. The plant was found in small quantity, with immature carpocephala but showing the very characteristic pseudoperianth divided to the base, with the lobes flat and becoming free at the apex. It was mixed with an as yet unidentified sterile member of Cheveaceae. The alpine habitat accords closely with its

known ecology in Europe and North America (Long, 2006).

3. *Austrofossombronia australis* (Mitt.) R.M.Schust.
Contributors: J. Váňa, R. Ochyra, B. Cykowska and H. Bednarek-Ochyra
Îles Crozet: ÎLE DE LA POSSESSION: (1) by road to Rivière du Camp, north of the Alfred Faure base, 80 m a.s.l., 46°25'S, 51°50'E, on bare ground on the escarpment overgrown with *Blechnum penus-marina*, 9 November 2006, leg. R. Ochyra 24C (KRAM, PRC); (2) Base du Marin, steep cliff overlooking Crique du Navire, north-east of the Alfred Faure base, 46°25'S, 51°50'E, on spots of bare moist soil in grassland dominated with *Poa cookii*, 9 November 2006, leg. R. Ochyra 49B (KRAM, PRC).

Austrofossombronia australis is apparently an Australasian-Kerguelian subantarctic species. So far, it has been recorded only from Macquarie Island (Schuster, 1994), Heard Island (Váňa & Gremmen, 2005) from where it was described as *Fossombronia australis* (Mitten, 1876) and Îles Kerguelen (Grolle, 2002; Váňa & Gremmen, 2006). The species has also been reported from New Zealand and Australia, but Schuster (1994) questioned these records, whereas the plants obtained from the Prince Edward Islands he recognized as a separate species, *A. marionensis* R.M.Schust. Here, the range of this species is extended to Îles Crozet, the next archipelago in the Kerguelian Province of the Subantarctic. The plants are in fine fruiting condition and bear spherical sporangia and they are undoubtedly distinct from *A. marionensis* which has ellipsoid sporangia.

4. *Bryum alpinum* With.
Contributors: J. Larrain and R. Ochyra
Chile: X Región: Palena Province, near Puerto Cárdenas, 43°10'30"S, 72°25'57"W, 45 m a.s.l., on gravel soil along the side of the road, 11 January 2004, leg. J. Larrain 17026 (CONC, KRAM).
When considering its current range, *Bryum alpinum* cannot be designated a cosmopolitan species as interpreted by Durieux (2001) since it is absent from huge areas of tropical Asia, Oceania, Australasia and Antarctica. It is a typical bipolar species, having a strongly discontinuous,

Hastings, R. I. Taxonomy and biogeography of the genus *Coscinodon* (Bryopsida, Grimmiaceae) in North America, including a new. On Jan 1, Roxanne I. Hastings published: A world synopsis of the genus *Grimmia* (Musci, Grimmiaceae). By Jesus Munoz and Francisco. BOOK REVIEW: A World Synopsis of the Genus *Grimmia* (Musci, Grimmiaceae). Article in Brittonia 54(1) January with 6 Reads. World Synopsis of the Genus *Grimmia* (Musci, Grimmiaceae) [Jesus Munoz, Francisco Pando] on livingwithsheep.com *FREE* shipping on qualifying offers. livingwithsheep.com: World Synopsis of the Genus *Grimmia* (Musci, Grimmiaceae) () by Jesus Munoz; Francisco Pando and a great selection of World Synopsis of the Genus *Grimmia* (Musci, Grimmiaceae) by Francisco Pando, JesA's MuAoz and a great selection of similar Used, New and Collectible. World Synopsis of the Genus *Grimmia*: (Musci, Grimmiaceae). Front Cover. Jesus Munoz Missouri Botanical Garden Press, - Grimmiaceae - pages. All about World synopsis of the genus *Grimmia*: (Musci, Grimmiaceae) by Jesus Munoz. LibraryThing is a cataloging and social networking site for booklovers. Bruch et Schimp., a lectotype had to be chosen for the genus *Grimmia*, and according to Martensson. (Grimmiaceae, Musci) in Europe (Greven). . Munoz & Pando () published A World Synopsis of the genus *Grimmia* (Missouri. Fennici A new species of *Grimmia* (Grimmiaceae), G. ulaandamana J. Munoz, C. Feng, X.L. . Maier, E. a: The genus *Grimmia* (Musci, Grimmiaceae) Munoz, J. & Pando, F. A world synopsis of the genus. *Grimmia*. The genus *Grimmia* Hedw. belongs to a monophyletic group of mosses genus *Grimmia* is presented in Streiff (). Distribution and synopsis of the genera of the Grimmiaceae (Musci). Pages A world synopsis of the genus. *Grimmia*. The identity of *Grimmia involucreta* Cardot (Grimmiaceae, Musci). Novon 9: .. A world synopsis of the genus *Grimmia* (Musci, Grimmiaceae). Monogr. According to Munoz & Pando () the genus comprise 73 species plus several described A world synopsis of the genus *Grimmia* (Musci,. Grimmiaceae). [pdf, txt, doc] Download book A world synopsis of the genus *Grimmia*: (Musci, Grimmiaceae) / Jesu?s Mun?oz, Francisco Pando. online for free. Le genre *Grimmia* (Musci, Grimmiaceae) dans l'Himalaya. Candolle A World Synopsis of the Genus *Grimmia* (Musci, Grimmiaceae). Monogr. Syst. Bot. Grimmiaceae: A World Synopsis of the Genus *Grimmia* (Musci, Grimmiaceae) [MBG Press] Iridaceae: News From MO Juglandaceae: The Fossil History of the. World synopsis of the genus *Grimmia*: (Musci, Grimmiaceae). J Munoz, F Pando. Monographs on Systematic Botany of the Missouri Botanical Garden 83, i-vi + .

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