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ABSTRACTS

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TAXONOMIC AND NOMENCLATURAL NOTES ON *HIERACIUM* SECT. *CERNUA* (ASTERACEAE) IN THE ALPS

ZBIGNIEW SZELĄG

Abstract: According to the literature, *Hieracium* sect. *Cernua* R. Uechtr. is represented in the Alps by *H. grisebachii* A. Kern., *H. sparsum* subsp. *vierhapperi* Zahn, and *H. sparsum* subsp. *paulii* Szeląg. The east Alpine *H. sparsum* subsp. *vierhapperi* is a tetraploid ($2n = 36$; first count) apomictic taxon which, following the customary ranking of apomictic *Hieracia*, is here raised to species rank as *H. vierhapperi*, of which *H. sparsum* subsp. *paulii* is a synonym. A lectotype is designated for the name *H. grisebachii*.

Key words: Asteraceae, *Hieracium* sect. *Cernua*, breeding system, chromosome numbers, typification, taxonomy, Eastern Alps

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EAST AFRICAN BRYOPHYTES, XV. THE OCCURRENCE OF *BRYUM* *LAEVIGATUM* (BRYACEAE, BRYOPHYTA) IN AFRICA

TAMÁS PÓCS

Abstract: *Bryum laevigatum* Hook.f. & Wils., an amphipacific south temperate species was previously not known from the African continent. Its occurrence here is restricted to the Afroalpine ericaceous belt between altitudes of 2800 and 3280 m, usually along streamlets or on dripping rocks. Hitherto it was found by the author and by his companions only on the highest mountains of Africa, as on Mt. Kilimanjaro, Mt. Kenya, Mt. Elgon and in the Aberdare Mountains. Interestingly it does not occur in southern Africa. Its general distribution covers SE Australia and New Zealand, other southern temperate and subantarctic islands (Marion, Prince Edward, Falkland, Kerguelen, Macquerie), in South America it occurs from southernmost tip (near to the sea level) to SE Brazil and S Uruguay and extends to the tropical Andes (between alt. 3000–4335 m). It does not occur in Indomalesia and in New Guinea.

Key words: Amphipacific element, *Bryum*, streamlets, Afroalpine zone, south temperate region, Subantarctica

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**A PROVISIONAL CHECKLIST OF THE CONTINENTAL AFRICAN ORCHIDACEAE.
5. VANILLOIDEAE**

TOMASZ S. OLSZEWSKI

Abstract: A checklist of the vanilloid orchids of continental Africa is provided. 32 species in six genera are listed.

Key words: Magnoliophyta, Orchidaceae, Vanilloideae, checklist, continental Africa

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**NEW AND SOME RARE SPECIES OF THE GENUS *MICAREA* (MICAREACEAE) IN
THE LICHEN FLORA OF POLAND**

PAWEŁ CZARNOTA

Abstract: *Micarea anterior* (Nyl.) Hedl., *M. bauschiana* Wirth & Vězda, *M. deminuta* Coppins, *M. incrassata* Hedl., *M. leprosula* (Th. Fr.) Coppins & A. Fletcher, *M. marginata* Coppins & Muhr, *M. polycarpella* (Erichs.) Coppins & Palice, *M. submilliaria* (Nyl.) Coppins, *M. tuberculata* (Sommerf.) R. A. Anderson are reported for the first time from Poland. New records of *M. viridileprosa* van den Boom & Coppins, reported previously only one from this country are given. In addition, taxonomical and ecological notes on the species, as well as their distribution are also included.

Key words: lichens, lichenized fungi, *Micarea*, taxonomy, distribution, Poland

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***LACHNELLA VILLOSA* AND *WOLDMARIA FILICINA*, TWO REMARKABLE
CYPHELLACEOUS FUNGI FROM POLAND**

MARCIN PIĄTEK & ANNA BUJAKIEWICZ

Abstract: Two overlooked cyphellaceous fungi, *Lachnella villosa* (Pers.: Fr.) Gillet and *Woldmaria filicina* (Peck) Knudsen, are discussed. Descriptions and illustrations of morphology, information on ecological conditions, and maps of distribution in Poland are provided.

Woldmaria filicina is fully recognized in the Polish mycota for the first time.

Key words: *Lachnella*, *Woldmaria*, cyphellaceous fungi, *Matteucia struthiopteris*, ecology, Poland

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MISCELLANEOUS NOVELTIES ON POWDERY MILDEW FUNGI FROM POLAND

MARCIN PIĄTEK

Abstract: Eighteen remarkable powdery mildews collected in Poland are discussed. *Golovinomyces cichoracearum* (DC.) V. P. Gelyuta var. *latisporus* (U. Braun) U. Braun, *Erysiphe mayorii* S. Blumer var. *cicerbitae* U. Braun, and 23 powdery mildew fungus/host combinations are new to Poland. *Erysiphe hyperici* (Wallr.) S. Blumer on *Hypericum annulatum*, *Phyllactinia guttata* (Wallr.: Fr.) Lév. on *Betula ×oycoviensis* and *Podosphaera spiraeae* (Sawada) U. Braun & S. Takam. on *Spiraea ×vanhouttei* are reported from Europe for the first time. *Erysiphe howeana* U. Braun and *Podosphaera spiraeae* are probably spreading in Poland.

Key words: Erysiphales, powdery mildew fungi, host range, Poland

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THE GENUS *RUBUS* (ROSACEAE) IN SOUTHEASTERN LOWER SILESIA (POLAND)

JERZY ZIELIŃSKI, PIOTR KOSIŃSKI & DOMINIK TOMASZEWSKI

Abstract: This paper presents the results of extensive field research and herbarium studies on the occurrence of *Rubus* L. species in southeastern Lower Silesia (SW Poland). It is the area of the greatest accumulation of *Rubus* species in Poland, where 61 species (about 2/3 of all species growing in Poland) were documented; 28 species were found there for the first, and two appeared new to science. The distribution and routes of migration of particular species are discussed.

Key words: *Rubus*, geographical distribution, migration, Poland, Lower Silesia

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SYNTAXONOMICAL REVISION OF PLANT COMMUNITIES WITH *CAREX FIRMA* AND *DRYAS OCTOPETALA* (ALLIANCE *CARICION FIRMAE*) IN THE WESTERN CARPATHIANS

JOZEF ŠIBÍK, ANTON PETRÍK & JÁN KLIMENT

Abstract: A syntaxonomical revision of plant communities with dominants *Carex firma* and *Dryas octopetala* in the Western Carpathians is presented, including a comparison with related plant communities from the Alps. The syntaxonomical position of the studied communities has been re-evaluated, and a new classification concept is offered. Communities from the subalpine belt of the Krivánska Malá Fatra, Chočské vrchy and Nízke Tatry Mts are classified within the association *Dryado octopetalae-Caricetum firmae* Sillinger 1933, and two new subassociations *primuletosum auriculae* and *saxifragetosum aizoidis* are described. The plant communities from the subalpine and alpine belts of the Západné Tatry and Belianske Tatry Mts are different. We classify them within the association *Arenario tenellae-Caricetum firmae* (Br.-Bl. 1930) *nom. nov.*, with two subassociations recognized: *typicum* and *salicetosum reticulatae*. Phytocoenological relevés obtained in recent years confirm the well-pronounced separation of the association *Androsaceo lacteae-Festucetum versicoloris* Sillinger 1933. According to our revision, phytocoenoses in the montane belt or on inversion sites of the Veľká Fatra, Muránska planina and Slovenský raj Mts, including some communities of the subalpine belt of the Tatras, cannot be classified in the alliance *Caricion firmae* Gams 1936, but belong to the alliances *Seslerio-Asterion alpini* Hadač ex Hadač et al. 1969, *Potentillion caulescentis* Br.-Bl. in Br.-Bl. & Jenny 1926 *emend.* Sutter 1969 and *Cystopteridion* Richard 1972.

Key words: *Caricion firmae*, alpine vegetation, syntaxonomy, numerical classification, Alps, Western Carpathians, Slovakia

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**NOTES ON THE SYNTAXONOMY OF THE *ASPENIETEA TRICHOMANIS* CLASS
IN POLAND**

KRZYSZTOF ŚWIERKOSZ

Abstract: The paper presents a revised syntaxonomy of rocky and wall plant communities occurring and likely to be found in Poland. Currently, eleven associations and three communities are known from the whole area of the country, and four further associations probably occur. A revised division of the class *Asplenietea trichomanis* (Br.-Bl. in Meier & Br.-Bl. 1934) Oberd. 1977 into three orders with six alliances is also given.

Key words: rocky plant communities, wall vegetation, vegetation survey

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**NEW OR RARE SPECIES OF THE GENERA *ACHNANTHIDIUM* AND
PSAMMOTHIDIUM (BACILLARIOPHYCEAE) IN THE DIATOM FLORA OF
POLAND**

AGATA WOJTAL

Abstract: This paper concerns four small species of the genera *Achnantheidium* and *Psammothidium* recorded in calcium-rich waters of the Wyżyna Krakowsko-Częstochowska upland in Poland. Three species – *Achnantheidium straubianum* (Lange-Bert.) Lange-Bert., *Psammothidium grishunum* (Wuthrich) Bukht. & Round, and *P. lauenburgianum* (Hust.) Bukht. & Round – are reported and documented from Poland for the first time. The distribution of *Psammothidium bioretii* (Germ.) Bukht. & Round is given. The morphological characteristics, ecological requirements, and distribution of the species are briefly discussed, and photographic documentation is provided.

Key words: Bacillariophyceae, *Achnantheidium*, *Psammothidium*, taxonomy, ecology, distribution

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