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Short Communication

New combinations in the genus *Cladia*

Recently, phylogenetic analyses of molecular data provided evidence that the previously recognized genera *Heterodea* and *Ramalinora* (Filson 1978; Lumbsch *et al*. 1995) are nested within *Cladia* (Lumbsch *et al*. 2010*c*; Parnmen *et al*. 2010). Based on morphological and anatomical characteristics, we also hypothesized that the thalli of both genera are homologous to the different parts of thallus of the genus *Cladia* (Lumbsch *et al*. 2010*c*; Parnmen *et al*. 2010). While the thallus of the crustose genus *Ramalinora* is similar in anatomy to the primary thallus of *Cladia*, the foliose genus *Heterodea* showed remarkable similarities in thallus anatomy to the secondary thallus of some *Cladia* spp. Consequently, these three genera cannot be kept separate and should be regarded as congeneric. However, the generic name *Heterodea* predates *Cladia*, and since the former genus only contains two species in comparison with 14 currently accepted species in *Cladia*, the generic name *Cladia* was proposed for conservation against *Heterodea* to avoid an unnecessary number of nomenclatural changes (Lumbsch *et al*. 2010*a*, *b*). No formal combination of the two *Heterodea* spp. and *Ramalinora glaucolivida* into *Cladia* has yet been proposed pending the outcome of the proposal. In the meantime conservation of *Cladia* was approved by the Committee for Fungi (Norvell 2011) and the General Committee agreed (Barrie 2011). Hence, the formal combinations of the three species into *Cladia* are now made here:

Cladia beaugleholei (Filson) Parnmen & Lumbsch comb. nov.

Mycobank No.: MB 563253

Heterodea beaugleholei Filson, *Lichenologist* **10:** 18 (1978).

Cladia muelleri (Hampe) Parnmen & Lumbsch comb. nov.

Mycobank No.: MB 563254

Sticta muelleri Hampe, *Linnaea* **25:** 711 (1852).—*Heterodea muelleri* (Hampe) Nyl., *Bull. Soc. linn. Normandie, sér.2* **2:** 47 (1868).

Cladia glaucolivida (Müll. Arg.) Parnmen & Lumbsch comb. nov.

Mycobank No.: MB 563255

Placodium glaucolividum Müll. Arg., *Nuovo Giorn. Bot. Ital*. **23:** 388 (1891).—*Lecanora glaucolivida* (Müll. Arg.) Zahlbr., *Cat. Lich. Univ*. **5:** 624 (1928).—*Cladonia glaucolivida* (Müll. Arg.) R. W. Rogers, *Muelleria* **5:** 33 (1982).—*Ramalinora glaucolivida* (Müll. Arg.) Lumbsch, Rambold & Elix, *Aust. Syst. Bot*. **8:** 522 (1995).

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