

NEW COMBINATIONS IN THE LICHEN GENUS *PSEUDOPARMELIA* LYNGE*

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The genus *Pseudoparmelia* was described by Lynge (Ark. f. Botanik, 13(13): 15. 1914) on the basis of *P. cyphellata* Lynge. He had found "cyphellae" in a Brazilian specimen, but these were recognized later as scars of broken rhizines (Santesson, R. Sv. Bot. Tidskr. 36: 471-474. 1942). The generic name, however, is nomenclaturally valid and includes all species now recognized in *Parmelia* subgenus *Parmelia* section *Cyclocheila* (Hale, M.E. & S. Kurokawa, Contr. U.S. Nat. Herb. 36: 147. 1964). The genus *Pseudoparmelia* is thus recognized by the presence of simple rhizines and sublinear to irregularly widened, often apically subrotund lobes. Cilia are always absent and the apothecia adnate to substipitate with imperforate discs. The upper cortex consists of palisade plectenchyma with a pored epicortex (Hale, M.E., Smithsonian Contr. Bot. 10: 9. 1973). While still a rather heterogeneous group, it is most closely related to *Xanthoparmelia* in general morphology. In terms of chemical diversity it is second only to *Hypotrachyna* in the family.

At the present time at least 65 species can be recognized in *Pseudoparmelia* and further monographic work will uncover more, especially in Africa. Generally speaking, the genus occurs at lower elevations in dry temperate to subtropical regions with greatest frequency in Africa (Hale, M.E. Bryol. 75: 342-348. 1972).

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- Pseudoparmelia concrescens* (Vain.) Hale, comb. nov. Basionym: *Parmelia concrescens* Vain. Cat. Welw. Afr. Pl. 2:400. 1901.
- Pseudoparmelia condyloides* (Kurok.) Hale, comb. nov. Basionym: *Parmelia condyloides* Kurok. in Hale, Bryol. 75:343. 1972.
- Pseudoparmelia congruens* (Ach.) Hale, comb. nov. Basionym: *Parmelia congruens* Ach. Lich. Univ. 491. 1810.
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- Pseudoparmelia ecaperata* (Müll. Arg.) Hale, comb. nov. Basionym: *Parmelia ecaperata* Müll. Arg. Flora 74:378. 1891.
- Pseudoparmelia epileuca* (Hale) Hale, comb. nov. Basionym: *Parmelia epileuca* Hale, Bryol. 75:343. 1972.
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- Pseudoparmelia xanthomelaena* (Müll. Arg.) Hale, comb. nov. Basionym:
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- Pseudoparmelia zambiensis* (Hale) Hale, comb. nov. Basionym: *Parmelia zambiensis* Hale, Bryol. 75:346. 1972.
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