

Notes on Wahlenberg's names in 'Methodus Lichenum' by E. Acharius

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The correct author citation of G. Wahlenberg's new names of lichen taxa published in E. Acharius' 'Methodus Lichenum' (1803) is discussed, and it is pointed out that Acharius in the preface clearly indicated that Wahlenberg is the author of these names, so the correct citation is Wahlenb. in Ach.

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In an adjustment to the taxonomy and nomenclature of the lichen genus *Vestergrenopsis* Gyeln. (Hafellner & Spribille 2016), the authors claimed that a number of cited botanists had incorrectly attributed the name *Parmelia elaeina* to Wahlenberg, while it in fact should be attributed to Acharius, the author of the book. Apparently they have not studied the introductory notes to the work by Acharius (1803). There he explained (on p. III–IV) the structure of the book which has a supplement (Fig. 1), separately printed some months after the main work (see Stafleu & Cowan 1976). It contains several new species (see Table 1) which one would expect to find in the main text. Acharius stated that when most of the work had been printed, he received a manuscript from Wahlenberg that contained descriptions of many new species from his recent expedition to northern Scandinavia in 1802. Acharius decided to print this as received with some comments pertaining to some important material received from other collectors such as O. Swartz and J. P. Westring, rather than trying to incorporate these in the ready main text.

Many (see Table 1) ecologically important, widespread northern lichen species (see Santesson 1939 with distribution maps of three of these), e.g. *Verrucaria maura* (see Fig. 2) are described here. All the new species, including *Parmelia* [*Vestergrenopsis*] *elaena*, are treated in the same way: the numbers before the name show where to insert the species in the main text of the work. In the case of *Verrucaria maura* that is between species 20 *Verrucaria umbrina* and 21 *Verrucaria picina*. Acharius then added a description in the style of the other species in the main text. It must be emphasized that this is not the diagnosis of the new name. Instead the diagnoses are found in the next paragraph and clearly marked 'Wahlenb. Msc.' (i.e. the text Wahlenberg handed over to Acharius). Then follow texts signed A, and these are additions and comments made by Acharius himself. The internal evidence clearly shows that the author of these new names is Wahlenberg, who wrote the diagnoses!

That Acharius had nothing to do with the naming and diagnoses of the species, is further underlined by the holotype of *Parmelia elaeina* in UPS (not in the Acharian herbarium there!): the name as well as all other annotations are written by Wahlenberg in his rather coarse handwriting (Fig. 3).

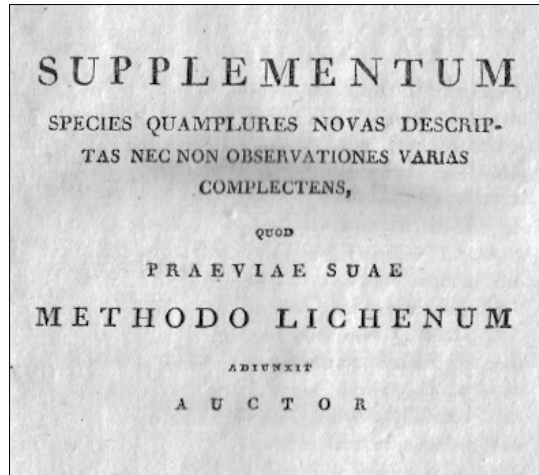


Figure 1. The separate title page of the supplement to *Methodus lichenum*.

Table 1. The 27 valid lichen names in sequence according to page numbers, all coined by Wahlenberg in the Supplement of *Methodus lichenum*.

Page	Species
8	<i>Variolaria thelena</i>
8	<i>Lecidea coniops</i>
10	<i>Lecidea helicopsis</i>
13	<i>Lecidea ammiospila</i>
17	<i>Verrucaria aractina</i>
17	<i>Verrucaria aethiobola</i>
19	<i>Verrucaria maura</i>
20	<i>Verrucaria clopima</i>
20	<i>Verrucaria lignyota</i>
21	<i>Verrucaria striatula</i>
22	<i>Verrucaria ceuthocarpa</i>
23	<i>Verrucaria mucosa</i>
25	<i>Endocarpon phylliscum</i>
29	<i>Endocarpon smaragdulum</i>
30	<i>Endocarpon sinopicum</i>
31	<i>Thelotrema margacea</i>
31	<i>Urceolaria pelobotrion</i>
34	<i>Parmelia milvina</i>
36	<i>Parmelia aiospila</i>
37	<i>Parmelia spodophaea</i>
38	<i>Parmelia poliophaea</i>
42	<i>Parmelia alphoplaca</i>
43	<i>Parmelia molybdina</i>
43	<i>Parmelia ereutica</i>
44	<i>Parmelia chlorophana</i>
46	<i>Parmelia elaeina</i>
48	<i>Parmelia hysgina</i>

(19)

Obs. Crusta obscure cinerea non laevigata ut in *V. gemmata*. Tubercula adulta supra crustam omnino elevata et subglobosa haud nitida majuscula, supra papilla elevata unica l. etiam duabus et pluribus simul instructa, aetate pertusa.

20—21. **VERRUCARIA maura**: crusta tenui effusa laevi subnitida rimosissima aterrima; tuberculis occultis, apice umbilicata prominentibus.

Verrucaria (Ach.) *maura*: crustacea subterranea rimosissima laevis nitidula aterrima, thalamis occultis apice tantum evellentibus.

WAHLENB. *Msc.*

Habitat Finmarkiae Norvegicae in saxis petrisque maritimis aqua marina interdum perfusis per insulas promontoriaque vulgaris. *Wahlenberg*.

Ad litora Sinus Bothnici *Swarz.* Nos.

Obs. Aquam mox imbibit, quod nec *Verruc. aractina* neque *V. aethiobola* faciunt. W.

Cum tuberculis nunquam ipse inveni hanc speciem. Specimina a Cl. *Wahlenberg* missa completa et fertilia fuere. Crusta laevigata, tenuiter rimoso-areolata, intra quam tubercula latitant, apicibus eorum in superficie crustae passim et leviter tantum prominentibus, aliquando parum impressis l. umbilicatis. A.

20—21. **VERRUCARIA clopima**: crusta effusa verrucosa castaneo-fusca, verrucis laevigatis

b 2

Figure 2. The text of Wahlenberg's new species *Verrucaria maura* in the Supplement.



Figure 3. The holotype of *Parmelia elaeina* with Wahlenberg's crude inscriptions on UPS-L085536. Photo: M. Westberg.

The correct author citation for these names are 'Wahlenberg in Acharius', as recorded by Santesson & al. (2004).

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