

**OPINION 2333 (Case 3548)*****Mémoires pour servir à l'histoire des insectes* by De Geer (1752–1778) and the additional volume by Retzius (1783): ruled to be binominal and available**

**Abstract.** The five volumes of *Mémoires pour servir à l'histoire des insectes*, published between 1752 and 1778 by De Geer, and an additional volume published by Retzius in 1783, which are not consistently binominal, have been ruled as consistently binominal and available for zoological nomenclature, whereas 140 polynominal names mentioned in these works have been suppressed. In addition, the names *Aranealupus*, *Araneaphalangium* and *Araneacancroides* have been suppressed for the purposes of the Principle of Priority, but not for those of the Principle of Homonymy. The name *Pediculus humanus capitis* has been ruled to be available.

**Keywords.** Nomenclature; taxonomy; early zoological literature; Arthropoda; Insecta; Chelicerata; De Geer; Retzius.

**Ruling**

- (1) Under the plenary power the Commission:
  - (a) has set aside the provisions of Article 11.4 and declared the volumes of the work *Mémoires pour servir à l'histoire des insectes* published by De Geer (1773), De Geer (1774), De Geer (1775), De Geer (1776), De Geer (1778) and Retzius (1783) to be binominal and available for nomenclatural purposes;
  - (b) has suppressed the 140 names listed below for nomenclatural purposes;
  - (c) has ruled that *Pediculus humanus capitis* was made available by De Geer (1778, p. 67);
  - (d) has suppressed the name *Pediculus humanus corporis* Retzius, 1783 (p. 201) for the purposes of the Principles of Priority, but not for those of the Principle of Homonymy;
  - (e) has suppressed the names *Aranealupus* De Geer, 1778, *Araneaphalangium* De Geer, 1778 and *Araneacancroides* De Geer, 1778 for the purposes of the Principle of Priority, but not for those of the Principle of Homonymy.
- (2) *Mémoires pour servir à l'histoire des insectes* by De Geer (1752–1778) and the additional volume by Retzius (1783) are hereby entered on the Official List of Works Approved as Available for Zoological Nomenclature: deemed binominal as ruled in 1(a) above, but with many of the names proposed therein suppressed as ruled in 1(b, d, e) above.
- (3) The name *capitis* De Geer, 1778, as published in the trinomen *Pediculus humanus capitis*, is hereby placed on the Official List of Specific Names in Zoology, as ruled in 1(c) above.
- (4) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
  - (a) *Aranealupus* De Geer, 1778 as suppressed in 1(e) above;

- (b) *Araneaphalangium* De Geer, 1778, as suppressed in (1)(e) above;
- (c) *Araneacancroides* De Geer, 1778, as suppressed in (1)(e) above;
- (d) *Sphinx adscita* De Geer, 1778, as suppressed in (1)(b) above.
- (5) The name *corporis* Retzius, 1783, as published in the trinomen *Pediculus humanus corporis* and as suppressed in (1)(d) above, is hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology.
- (6) One hundred and forty names listed below are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology and on the Official Index of Rejected and Invalid Generic Names in Zoology, as appropriate (see (4)(d) above), as suppressed in (1)(b) above.
- (7) The Commission hereby issues an Official Correction, as part of this Opinion, amending the entry for *Perla* Retzius, 1783 on the Official Index of Rejected and Invalid Generic Names in Zoology to record that it is not an available name but a subsequent use of *Perla* De Geer, 1773 (a junior homonym of *Perla* Geoffroy, 1762).

### History of Case 3548

An application to rule under the plenary power that inconsistently binominal works published by De Geer (1773, 1774, 1775, 1776, 1778) and Retzius (1783) be considered to be available as binominal works, while 140 polynominal names mentioned therein be suppressed, was received from Francisco Welter-Schultes (*Zoologisches Institut, Universität Göttingen, Germany*) and Frank Wieland (*Biozentrum Grindel & Zoologisches Museum, Universität Hamburg, Germany*) on 15 December 2010. After correspondence the case was published in BZN **69**: 3–19 (March 2012). The title, abstract and keywords of the case were published on the Commission's website. No comments were received on this case.

### Decision of the Commission

On 1 September 2013 the members of the Commission were invited to vote on the proposals published in BZN **69**: 13–14. At the close of the voting period on 1 December 2013 the votes were as follows:

Affirmative votes – 22: Alonso-Zarazaga, Ballerio, Bogutskaya, Bouchet, Brothers, Fautin, Grygier, Halliday, Harvey, Kojima, Krell, Lamas, Minelli, Ng, Pape, Rosenberg, Štys, van Tol, Winston, Yanega, Zhang and Zhou.

Negative votes – none.

Abstained – 1: Lim.

Split votes – 1: Patterson (1)(a) FOR; (1)(b) FOR; (1)(c) FOR; (1)(d) AGAINST; (1)(e) AGAINST.

Kottelat, Kullander and Pyle were on leave of absence.

Voting FOR, Grygier said that in the last sentence of para. 13 of the application, the authors suggested that six names 'be placed on the Official List'; however, the presence of these six names in their 'List of 140 polynominal names . . . proposed for suppression' showed that they had meant to write 'to be placed on the Official Index'. He added that whereas their proposal (1)(b) asked for the 140 listed names to be suppressed for nomenclatural purposes, there was no accompanying request that they be entered in the Official Index; this should be done anyway, as mandated by Article

78.4.2. He also noted that near the end of para. 11, the authors proposed a new Article to be added to the next edition of the Code to address the availability of originally hyphenated genus-group names; they could just as well have formally sought a Declaration to that effect now as part of the present Case or as a separate, related application. Also voting FOR, Ng said that he was normally reluctant to agree to such a large ‘block’ decision as validating a large number of ‘potentially’ binominal names and rejecting a list of ‘supposedly polynominal’ and hence unavailable names. He thought that this was not the best solution. He considered that it might have been better declaring all these works non-binominal and starting afresh, but the authors had argued well that some of the names had unfortunately come into common use and this approach would not have helped stability; so he reluctantly voted FOR.

Voting FOR, Lamas said that Linnaeus (1758) had divided his genus *Sphinx* into four sections, the last one being ‘*Adscitae habitu & larva diversae*’ (i.e. ‘adopted’ (or ‘accepted’) species, differing in appearance and larval character). Evidently, De Geer (1778) agreed with that Linnaean section, and called it ‘*Sphinx adscita*’. De Geer’s action should be treated (in modern terms) as having informally established the new subgenus ‘*Adscita*’, although he attributed it to Linnaeus. Retzius (1783) (pp. 8, 35) ‘elevated’ De Geer’s *Adscita* to the genus rank, and this latter name had been accepted ever since as valid in the family ZYGAENIDAE, and credited to Retzius, 1783 (type species *Adscita turcosa* Retzius, 1783, by subsequent designation by Kirby, 1892). Both Cramer and Stoll, in ‘*Papillons exotiques*’ and in Stoll’s continuation (‘*Aanhangsel*’) of the same work, used ‘*Sphinx Adscita*’ several times as a section of the genus *Sphinx*, following Linnaeus (and antedating De Geer, because ‘*Papillons exotiques*’ started publication in 1775 and continued until 1791, but these ‘intermediate’ Linnaean names were ruled by Opinion 279 (1954), to have no subgeneric status. The same applies to Sepp’s work published between 1829 and 1854, where he used ‘*Adscita*’ or ‘*Adscitae*’ (plural) as a section of *Sphinx*, sometimes attributing it to Stoll, because Stoll used the same ‘formula’. *Adscita* was never used as a binominal name before Retzius (1783). Therefore, Lamas suggested that De Geer’s 1778 name should be placed on the Official Index of Rejected and Invalid Generic Names in Zoology as ‘*Sphinx (Adscita)*’ (treated as a subgenus).

## Original references

The following are the original references to the names placed on Official Lists and Indexes by the ruling given in the present Opinion:

- De Geer, C. 1773. *Mémoires pour servir à l'histoire des insectes*. Tome troisième. Pp. I–VIII [=1–8], 1–696, [1–2], pls. 1–44. Hesselberg, Stockholm.
- De Geer, C. 1774. *Mémoires pour servir à l'histoire des insectes*. Tome quatrième. Pp. I–XII [=1–12], 1–456, [1], pls. 1–19. Hesselberg, Stockholm.
- De Geer, C. 1775. *Mémoires pour servir à l'histoire des insectes*. Tome cinquième. Pp. I–VII [=1–7], [1], 1–448, pls. 1–16. Hesselberg, Stockholm.
- De Geer, C. 1776. *Mémoires pour servir à l'histoire des insectes*. Tome sixième. Pp. I–VIII [=1–8], 1–522, [1], pls. 1–30. Hesselberg, Stockholm.
- De Geer, C. 1778. *Mémoires pour servir à l'histoire des insectes*. Tome septième. Pp. I–XII [=1–12], 1–950, pls. 1–49. Hesselberg, Stockholm.

**Retzius, A.J.** 1783. *Caroli Lib. Bar. De Geer [. . .] genera et species insectorvm e generosis-simivectoris scriptis extraxit, digessit, latine qvoad partem reddidit, et terminologiam insectorvm Linneanam addidit Anders Iahan Retzius [. . .].* Pp. [1–5], III–VI [=3–6], 7–220. Crusius, Lipsiae.

**List of 140 polynominal names from De Geer's and Retzius's works suppressed by rulings in this Opinion and placed on the Official Index of Rejected and Invalid Specific Names in Zoology and on the Official Index of Rejected and Invalid Generic Names in Zoology:**

#### **De Geer, 1773**

*Aphis nuda* Pini De Geer, 1773 (p. 27)  
*Aphis tomentosa* Pini De Geer, 1773 (p. 39)  
*Aphis betulae nigro punctata* De Geer, 1773 (p. 45)  
*Aphis Salicis farinosa* De Geer, 1773 (p. 76)  
*Aphis Tiliae nigro-punctata* De Geer, 1773 (p. 77)  
*Cicada spumaria graminis* De Geer, 1773 (p. 163)  
*Cicada spumaria Salicis* De Geer, 1773 (p. 180)  
*Cicada musciformis Ulmi* De Geer, 1773 (p. 189)  
*Cicada musciformis Rosae* De Geer, 1773 (p. 193)  
*Cicada Laternaria Chinensis* De Geer, 1773 (p. 197)  
*Cicada Laternaria fusca* De Geer, 1773 (p. 200)  
*Cicada foliata-fasciata* De Geer, 1773 (p. 205)  
*Cicada foliata-arcuata* De Geer, 1773 (p. 206)  
*Cicada foliata-fusca* De Geer, 1773 (p. 208)  
*Cicada foliata-sinuosa* De Geer, 1773 (p. 208)  
*Cimex viridis totus* De Geer, 1773 (p. 266)  
*Cimex niger spinipes* De Geer, 1773 (p. 269)  
*Cimex griseus nigro-punctatus* De Geer, 1773 (p. 270)  
*Cimex niger rufipes* De Geer, 1773 (p. 286)  
*Cimex depressus Betulae* De Geer, 1773 (p. 305)  
*Cimex viridis pensylvanicus* De Geer, 1773 (p. 330)  
*Cimex nanus fasciatus* De Geer, 1773 (p. 343)  
*Locusta viridis cantatrix* De Geer, 1773 (p. 428)  
*Sphex Americana aptera* De Geer, 1773 (p. 591)

#### **De Geer, 1774**

*Lampyrus noctiluca communis* De Geer, 1774 (p. 31)  
*Elater fuscus major* De Geer, 1774 (p. 146)  
*Elater fuscus minor* De Geer, 1774 (p. 146)  
*Elater aeneus rufipes* De Geer, 1774 (p. 149)  
*Elater fuscus flavipes* De Geer, 1774 (p. 151)  
*Silpha nigra major* De Geer, 1774 (p. 173)

#### **De Geer, 1775**

*Leptura aquatica spinosa* De Geer, 1775 (p. 140)  
*Leptura aquatica mutica* De Geer, 1775 (p. 142)  
*Leptura aquatica fasciata* De Geer, 1775 (p. 142)

- Leptura aquatica aenea* De Geer, 1775 (p. 143)  
*Chrysomela marginella Ranunculi* De Geer, 1775 (p. 304)  
*Chrysomela viridis Alni* De Geer, 1775 (p. 306)  
*Chrysomela caerulea Betulae* De Geer, 1775 (p. 317)  
*Chrysomela caerulea Salicis* De Geer, 1775 (p. 318)  
*Chrysomela grisea Alni* De Geer, 1775 (p. 325)  
*Chrysomela cylindrica 4-punctata* De Geer, 1775 (p. 329)  
*Chrysomela rubra liliorum* De Geer, 1775 (p. 339)  
*Chrysomela 22-punctata obscura* De Geer, 1775 (p. 380)

#### De Geer, 1776

- Musca major larvarum* De Geer, 1776 (p. 24)  
*Musca minor larvarum* De Geer, 1776 (p. 25)  
*Musca minor domestica* De Geer, 1776 (p. 26)  
*Musca carnaria caerulea* De Geer, 1776 (p. 57)  
*Musca vivipara major* De Geer, 1776 (p. 63)  
*Musca vivipara minor* De Geer, 1776 (p. 70)  
*Musca domestica major* De Geer, 1776 (p. 72)  
*Bombylius tabaniformis-griseus* De Geer, 1776 (p. 270)  
*Bombylius tabaniformis-rufus* De Geer, 1776 (p. 272)  
*Tipula agarici seticornis* De Geer, 1776 (p. 367)  
*Tipula nigra aquatica* De Geer, 1776 (p. 387)  
*Tipula Marci nigra* De Geer, 1776 (p. 428)  
*Tipula Marci fulvipes* De Geer, 1776 (p. 429)  
*Coccus ovatus Ulmi* De Geer, 1776 (p. 436)  
*Coccus rotundus Salicis* De Geer, 1776 (p. 440)  
*Coccus farinosus Alni* De Geer, 1776 (p. 442)

#### De Geer, 1778

- Podura arborea nigra* De Geer, 1778 (p. 18)  
*Podura arborea grisea* De Geer, 1778 (p. 21)  
*Podura aquatica nigra* De Geer, 1778 (p. 23)  
*Podura aquatica grisea* De Geer, 1778 (p. 28)  
*Podura globosa fusca* De Geer, 1778 (p. 35)  
*Pediculus humanus corporis* De Geer, 1778 (p. 67)  
*Acarus aquaticus ruber* De Geer, 1778 (p. 141)  
*Acarus aquaticus globosus* De Geer, 1778 (p. 146)  
*Acarus aquaticus maculatus* De Geer, 1778 (p. 147)  
*Acarus aquaticus holosericeus* De Geer, 1778 (p. 149)  
*Acarus aquaticus marginatus* De Geer, 1778 (p. 152)  
*Aranea viridis punctata* De Geer, 1778 (p. 233)  
*Aranea resupina sylvestris* De Geer, 1778 (p. 245)  
*Aranea resupina domestica* De Geer, 1778 (p. 251)  
*Monoculus Pulex ramosus* De Geer, 1778 (p. 442)  
*Monoculus Pediculus ramosus* De Geer, 1778 (p. 467)  
*Cimex capensis ruber* De Geer, 1778 (p. 619)  
*Sphinx adscita* De Geer, 1778 (p. 694) (used as a genus-group name)

**Retzius, 1783**

- Papilio Argus marginatus* Retzius, 1783 (p. 30)  
*Papilio margaritaceus medius* Retzius, 1783 (p. 31)  
*Phalaena tesseraria pratensis* Retzius, 1783 (p. 36)  
*Phalaena Ziczac trituberculata* Retzius, 1783 (p. 37)  
*Phalaena Ziczac quinquetuberculata* Retzius, 1783 (p. 38)  
*Phalaena diura major* Retzius, 1783 (p. 38)  
*Phalaena diura minor* Retzius, 1783 (p. 38)  
*Phalaena porrecta alba* Retzius, 1783 (p. 38)  
*Phalaena porrecta cana* Retzius, 1783 (p. 38)  
*Phalaena alticauda alba* Retzius, 1783 (p. 39)  
*Phalaena alticauda grisea* Retzius, 1783 (p. 39)  
*Phalaena alticauda furcata* Retzius, 1783 (p. 39)  
*Phalaena fusca trimaculata* Retzius, 1783 (p. 40)  
*Phalaena cinerea bistigmata* Retzius, 1783 (p. 40)  
*Phalaena flava nigro-punctata* Retzius, 1783 (p. 40)  
*Phalaena fusca bistrigata* Retzius, 1783 (p. 41)  
*Phalaena alba nigro-punctata* Retzius, 1783 (p. 41)  
*Phalaena grisea fasciata* Retzius, 1783 (p. 41)  
*Phalaena cristata albo-lineata* Retzius, 1783 (p. 41)  
*Phalaena cristata flavo-punctata* Retzius, 1783 (p. 42)  
*Phalaena cinerea undulata* Retzius, 1783 (p. 43)  
*Phalaena Noctua major* Retzius, 1783 (p. 44)  
*Phalaena viridis bilineata* Retzius, 1783 (p. 45)  
*Phalaena varia albo-maculata* Retzius, 1783 (p. 45)  
*Phalaena cinerea bimaculata* Retzius, 1783 (p. 46)  
*Phalaena viridis maculata* Retzius, 1783 (p. 46)  
*Phalaena ferruginea fasciata* Retzius, 1783 (p. 47)  
*Phalaena flava strigata* Retzius, 1783 (p. 48)  
*Phalaena sulphurea caudata* Retzius, 1783 (p. 49)  
*Phalaena alba trilineata* Retzius, 1783 (p. 50)  
*Phalaena albida biundulata* Retzius, 1783 (p. 50)  
*Phalaena violacea nigro-strigata* Retzius, 1783 (p. 50)  
*Phalaena Tinea Pini* Retzius, 1783 (p. 50)  
*Phalaena argentea convoluta* Retzius, 1783 (p. 51)  
*Phalaena cana nigro-punctata* Retzius, 1783 (p. 51)  
*Phalaena dimidio-alba maculata* Retzius, 1783 (p. 53)  
*Phalaena nigra cristata* Retzius, 1783 (p. 53)  
*Phalaena strobilorum Pini major* Retzius, 1783 (p. 53)  
*Phalaena strobilorum Pini minor* Retzius, 1783 (p. 54)  
*Phalaena pelicaria Pyri* Retzius, 1783 (p. 54)  
*Phalaena chrysagyria Alni* Retzius, 1783 (p. 55)  
*Phalaena chrysagyria Pomi* Retzius, 1783 (p. 55)  
*Phalaena grisea Rosae* Retzius, 1783 (p. 55)  
*Phalaena maculata Frangulae* Retzius, 1783 (p. 55)  
*Phalaena bicristata Chaerophylli* Retzius, 1783 (p. 55)

- Phryganea nigra fasciata* Retzius, 1783 (p. 56)  
*Apis muraria nitida* Retzius, 1783 (p. 60)  
*Vespa crabro medius* Retzius, 1783 (p. 63)  
*Vespa crabro major* Retzius, 1783 (p. 63)  
*Sphex rufa fasciata* Retzius, 1783 (p. 65)  
*Ichneumon aureus Bedeguaris* Retzius, 1783 (p. 69)  
*Ichneumon aeneus myriventris* Retzius, 1783 (p. 70)  
*Ichneumon aeneus globiceps* Retzius, 1783 (p. 70)  
*Ichneumon fuscus ramicornis* Retzius, 1783 (p. 70)  
*Ichneumon aeneus ramicornis* Retzius, 1783 (p. 70)  
*Tenthredo pectinata major* Retzius, 1783 (p. 74)  
*Tenthredo pectinata minor* Retzius, 1783 (p. 74)  
*Tenthredo pectinata rufa* Retzius, 1783 (p. 74)  
*Formica nigra major* Retzius, 1783 (p. 75)  
*Formica nigra minor* Retzius, 1783 (p. 75)  
*Formica rubra aculeata* Retzius, 1783 (p. 76)  
*Formica fusca aculeata* Retzius, 1783 (p. 76)  
*Cicada laternaria surinamensis* Retzius, 1783 (p. 79)  
*Tipula clavata maculata* Retzius, 1783 (p. 195)