

LIST OF DUTCH
 A C A R I,
 SEVENTH PART:
 ACARIDIAE Latr. 1806,
 AND
 PHYTOPTIDAE Pagenst. 1861,
 with synonymical Remarks en description
 of new species etc.
 BY
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A C A R I D I A E Latr. 1806.

TYROGLYPHINA DONNAD. 1868.

Acarus L. 1735.

1. *Acarus horridus* TURP. (*longior* GERV.).

In old cheese, Utrecht, 2.

In smoked beef, Utrecht, 6.

In dried figs, Amsterdam, (Mr. J. Jaspers Jr.), 1.

In a collection of feathers, Utrecht, 12.

In a collection of stuffed birds, Utrecht, 1.

In humus of a flower pot in my room, Sneek, 5.

In furniture, viz. in the horse-hair with which the furniture was stuffed; the furniture was literally sowed or covered with mites. In a hotel in the Hague, 10.

2. *Acarus siro* L. —

In old cheese, Utrecht, 2, 10.

In smoked beef, Utrecht, 6.

On *Linota montium*, Utrecht, 11.

3. *Acarus farinae* L. —

In old cheese, Utrecht, 10.

In canary-seed, Sneek, 7.

In poultry-meal, Brummen, 8.

On a stuffed bird, Utrecht, 1.

4. *Acarus spinitarsus* HERM. (*mycophagus* MÉGN.).

Hypopus, on *Bombus* sp., Sneek, 5.

Adult, on a decaying hyacinth-bulb, Wageningen, 12
(Prof. Dr. J. Ritzema Bos).

5. *Acarus* sp. In canary-seed, Sneek, 7.

In poultry-meal, Brummen, 8

6. *Acarus* sp. — On *Quelea sanguinirostris*, Sneek, 12.7. *Acarus* sp. — Under lichen on *Ulmus campestris*, Sneek, 1.

Carpoglyphus ROB. 1860.

8. *Carpoglyphus passularum* HERING.

On plums, Utrecht, 1.

Coepophagus MÉGN. 1880.

9. *Coepophagus echinopus* FUM. ROB.

Hypopus and adult, in a decaying hyacinth-bulb, Wageningen, 12 (Prof. Dr. J. RITZEMA BOS), Haarlem, 12 (KRELAGE).

10. *Coepophagus phylloxerae* PLANCH. (*Megninii* HALLER).

Hypopus and adult, in a decaying hyacinth-bulb, Wageningen, 12 (Prof. Dr. J. RITZEMA BOS), Haarlem, 12 (KRELAGE).

Glycyphagus HERING, 1838.

11. *Glycyphagus domesticus* DE GEER (*cursor* GERV.).

In cork, Batavia, Sneek, 12, Arnhem, 12.

In dust, Sneek, 11.

In tobacco, Utrecht, 4.

In furniture, Assen, 10, The Hague, 10, Utrecht, 10.
The Acari were present in thousands, literally covered the furniture, of the whole house. They fed on the animal fat

which adheared still to the not thoroughly cleaned horse-hair with which the furniture was stuffed. In the Hague it was a first class hotel, in Assen a lady-institute, and in Utrecht a state-building. This last case was communicated to me by Prof. Dr. A. A. W. HUBRECHT, who send me some specimens for identifying.

In a herbarium, Utrecht, 2, 6.

In meal-shop articles, Utr. 1.

On *Parus coeruleus*, Sneek, 12.

12. *Glycyphagus spinipes* KOCH (*destructor* SCHRANK = *setosus* KOCH?)

In furniture, Assen, 10, The Hague, 10, Utrecht, 10.
(see the foregoing species).

In meal-shop articles, Utrecht, 1, Arnhem, 2.

In a decaying hyacinth-bulb, Wageningen, 2 (Prof. Dr J. Ritzema Bos).

REMARK. *Glycyphagus destructor* SCHRANK is decidedly identical to *Glycyphagus setosus* KOCH. MÉGNIN considers the same as to *Glycyphagus spinipes* KOCH. I never, however, saw such long abdominal hairs, and cannot agree with MÉGNIN.

Anoetus DUJ. 1842.

(*Stegocephalus* NIC ?) (*Phyllostoma* KRAM.) (*Histiostoma* KRAM.)

13. *Anoetus feroniarum* DUF. (*rostroserratus* MÉGN.) (*mammillaris* CAN. FANZ.) (*amphibius* MÉGN.)

Hypopus in a decaying hyacinth-bulb, Wageningen, 12
(Prof. Dr. J. Ritzema Bos).

Labidophorus KRAM. 1877.

14. *Labidophorus sciurinus* KOCH.

Hypopus, on *Sciurus vulgaris*, Utrecht, 10.

15. *Labidophorus hypudaei* KOCH.

Hypopus and adult, on *Paludicola amphibius*, Sneek, 4.

16. *Labidophorus talpae* KRAM.

Hypopus and adult, on *Talpa europaea*, Sneek, 2.

17. *Labidophorus* sp.

Hypopus, on *Sorex vulgaris*, Sneek, 12.

18. *Labidophorus* sp.Adult, on *Mus musculus*, Sneek, 6.19. *Labidophorus* sp.Adult, on *Mus decumanus*, Sneek, 11.20. *Labidophorus* sp.Adult, on *Vespertilio dasycneme*, Sneek, 7.

INSECTICOLAE TROUESSART 1885.

No specimens hitherto.

AVICOLAE FUM. ROB. 1868.

DERMOGLYPHEAE MÉGN. Tr. 1883.

Anoplites MÉGN. TROUESS. 1883 (*Cheylabis* Tr. 1885).21. *Anoplites* sp.In feathers of *Sterna hirundo*, Sneek, 7. A very elongated species, like all the mites that live in tubes.

PTEROLICHEAE MÉGN. Tr. 1883.

Freyana HALLER 1877.

22. *Freyana anatina* KOCH.On *Anas boschas*, Utrecht, 10.

(Crameria HALLER 1878).

23. (*Crameria*) *lunulata* HALL.On *Strix flammea*, Utrecht, 12.

Pterolichus ROB. 1868.

24. *Pterolichus* (phyllophorus) sp.On *Sterna hirundo*, Sneek, 7.25. *Pterolichus* (obtusius) *obtusius* ROB.On *Gallina gallus*, Sneek, 5, Utrecht, 11.On *Perdix perdix*, Utrecht, 10.26. *Pterolichus* (lunulatus) *lunula* ROB.On *Melopsittacus undulatus*, Utrecht, 10.27. *Pterolichus* (delibatus) *delibatus* ROB.On *Corvus cornix* Sneek, 1.

28. *Pterolichus* (delibatus) *urogalli* NÖRNER.
On *Tetrao tetrix*, Heerenveen, 9.
29. *Pterolichus* (delibatus) *nisi* CAN.
On *Astur nisus* Utrecht, 11.
30. *Pterolichus* (delibatus) *cuculi* TR.
On *Accentor modularis* Utrecht, 3.
On *Corvus cornix*, Sneek, 1.
On *Alauda arvensis*, Utrecht, 10.
On *Porzana porzana*, Sneek, 5.
31. *Pterolichus* (cultriger) *cultrifer* ROB.
On *Cypselus apus*, Utrecht, 5.
32. *Pterolichus* sp.
On *Vanellus vanellus*, Sneek, 5.
33. *Pterolichus* sp.
On *Sturnus vulgaris*, Utrecht, 5.
On *Linota montium*, Utrecht, 11.
34. *Pterolichus* sp.
In the feathers of *Sterna hirundo*, Sneek, 4.
35. *Pterolichus* sp.
On *Corvus corone*, Sneek, 5.
On *Porzana porzana*, Sneek, 5.
36. *Pterolichus* sp.
On *Porzana porzana*, Sneek, 5.
- Pseudalloptes TR. 1884.
37. *Pseudalloptes* *bisubulatus* ROB.
On *Perdix perdix*, Utrecht, 10.
On *Circus rufus*, Utrecht, 11.
- Falciger TR. 1884.
38. *Falciger* *rostratus* BUCHH.
On *Columba domestica*, Utrecht, 4, 10.
- Pteronyssus ROB. 1868.
39. *Pteronyssus* (obtusius) *truncatus* TR.
On *Sturnus vulgaris*, Utrecht, 5, 10.

40. *Pteronyssus* (obtusus) *parinus* BUCHH.On *Parus coeruleus*, Utrecht, 2, 11, Sneek, 12.On *Chrysomitris spinus*, Utr. 12.On *Linota linaria* Utr. 12.41. *Pteronyssus* (lobatus) *starnae* CAN. (non *puffini* BUCHH.).On *Sterna hirundo*. Sneek, 4.42. *Pteronyssus* (lobatus) sp.On *Vanellus vanellus*, Sneek, 5.

PROCTOPHYLLODEAE MÉGN. Tr. 1883.

Pterophagus MÉGN. 1877.43. *Pterophagus strictus* MÉGN.On *Columba domestica*, Utrecht, 12.*Proctophyllodes* ROB. 1868.44. *Proctophyllodes pinnatus* NITZSCH.On *Passer domesticus*, Utrecht, 12, Sneek, 4, 12.On *Alauda arvensis*, Utrecht, 10.On *Emberiza nivalis*, Utrecht, 11.On *Motacilla flava*, Utrecht, 11.On *Motacilla alba*, Sneek, 4.On *Corvus corone*, Utrecht, 12.On *Astur nisus*, Lunteren, 4.45. *Proctophyllodes glandarinus* KOCH.On *Garrulus glandarius*, Utrecht, 12.46. *Proctophyllodes picae* KOCH.On *Pica pica*, Utrecht, 3.47. *Proctophyllodes stylifer* BUCHH.On *Parus maior*, Utrecht, 12.On *Parus coeruleus*, Sneek, 12, Utrecht, 11.On *Parus ater*, Utrecht, 7.On *Fringilla coelebs*, Utrecht, 1.On *Linota cannabina*, Utrecht, 11, 12.On *Chrysomitris spinus*, Utrecht, 12.48. *Proctophyllodes* sp.On *Turdus merula*, Utrecht, 10.

49. *Proctophyllodes* sp.On *Circus rufus*, Utrecht, 11.*Pterodectes* ROB. 1868.50. *Pterodectes cylindricus* ROB.On *Porzana porzana*, Sneek, 5.

(Pterocolus HALLER, 1878.)

51. (*Pterocolus*) *corvinus* KOCH.On *Corvus cornix*, Sneek, 1.On *Porzana porzana*, Sneek, 5.52. (*Pterocolus*) *corvinus* var.On *Sturnus vulgaris*, Utrecht, 5.On *Plectrophanes nivalis*, Utrecht, 11.53. (*Pterocolus*) *ortygometrae* CAN.On *Corvus corone*, Sneek, 5.54. (*Pterocolus*) sp. — (an *corvini* var.?)On *Muscicapa grisola*, Utrecht, 6.*Alloptes* CAN. 1879.55. *Alloptes bisetatus* HALLER.On *Sterna hirundo*, Sneek, 4.

ANALGESEAE MÉGN. Tr. 1883.

Dimorphus HALLER 1878.56. *Dimorphus bifidus* NITZSCH (*ginglymurus* MÉGN.)On *Thaumatococcus picta*, The Hague, 1,57. *Dimorphus oscinum* MÉGN. (non KOCH.)On *Chlorospiza chloris*, Utrecht, 6.58. *Dimorphus asternalis* MÉGN.On *Columba domestica*, Utrecht, 4, 10.59. *Dimorphus* sp.On *Aix sponsa*, The Hague, 10.60. *Dimorphus* sp.On *Cypselus apus*, Utrecht, 5.

61. *Dimorphus* sp.On *Motacilla flava*, Utrecht, 11.On *Gallina gallus*, Utrecht, 11.On *Perdix perdix*, Utrecht, 11.62. *Dimorphus* sp.On *Garrulus glandarius*, Utrecht, 12.On *Picus viridis*, Utrecht, 12.On *Parus palustris*, Utrecht, 12.

Analges Nitzsch 1818.

63. *Analges passerinus* L. (*fringillarum* KOCH).On *Astur nisus*, Utrecht, 11.On *Circus rufus*, Utrecht, 11.On *Strix flammea*, Utrecht, 5.On *Corvus corone*, Utrecht, 12.On *Pica pica*, Utrecht, 3.On *Columba turtur* Utrecht, 5.On *Coccothraustes coccothraustes*, Utrecht, 11.On *Fringilla coelebs*, Utrecht, 7.On *Fringilla montifringilla*, Utrecht, 11.On *Chlorospiza chloris*, Utrecht, 6.On *Acanthis carduelis*, Utrecht, 12.On *Linota cannabina*, Utrecht, 11, 12.On *Linota montium*, Utrecht, 11.On *Chrysomitris spinus*, Utrecht. 12.On *Passer domesticus*, Sneek, 12.On *Dryospiza canaria*, Utrecht. 10.On *Hirundo rustica*, Utrecht, 5.64. *Analges bidentatus* GIEB (*passerinus* KOCH).On *Sturnus vulgaris*, Utrecht, 5, 10.On *Alauda arvensis*, Utrecht, 10.On *Muscicapa grisola*, Utrecht, 6.On *Plectrophanes nivalis*, Utrecht, 11.On *Sylvia atricapilla*, Utrecht, 6.On *Turdus merula*, Utrecht, 10.

65. *Analges oscinum* KOCH (non MÉGN).

On *Troglodytes troglodytes*, Utrecht, 6.

66. *Analges corvinus* MÉGN.

On *Corvus cornix*, Sneek, 1; Utrecht, 12.

On *Corvus corone*, Utrecht, 12.

67. *Analges mucronatus* BUCHH.

On *Parus major*, Utrecht, 11.

On *Parus coeruleus*, Utrecht 2; Sneek 12.

On *Passer domesticus*, Utrecht, 2.

On *Hirundo rustica*, Utrecht, 5.

68. *Analges spiniger* GIEB.

On *Sylvia atricapilla*, Utrecht, 6

Hartingia nov. gen.

69. *Hartingia lari* nov. sp. (see p. 266).

On *Larus argentatus*, Utrecht, 12.

GLIRICOLAE MÉGN. 1876.

Listrophorus PAG. 1861.

70. *Listrophorus gibbus*. PAG.

On *Lepus europaeus*, Utrecht, 1.

On *Lepus cuniculus ferus*, Utrecht, 11, 12.

71. *Listrophorus Pagenstecheri* HALLER.

On *Sciurus vulgaris*, Utrecht, 7.

72. *Listrophorus* sp.

On *Putorius ernimea*, Sneek, 6.

73. *Listrophorus* sp.

On *Mustela vulgaris*, The Hague, 10.

74. *Listrophorus* sp.

On *Paludicola amphibius*, Sneek, 7.

Myocoptes CLAP. 1868.

75. *Myocoptes musculus* KOCH.

On *Mus musculus*, Leiden, 1; Sneek, 1, 5, 6, 7.

CYSTICOLAE MÉGN. 1880.

C y t o d y t e s MÉGN. 1876.

76. *Cytodytes nudus* VIZIOLI (*sarcoptoides* MÉGN.)

In *Gallina gallus*, Utrecht, 6 (mihi); Amsterdam, 5 (P. Koorevaar.)

PSORICAE Del. Bourg. 1862.

S a r c o p t e s LATR. 1805.

77. *Sarcoptes scabiei* L.

On *Homo sapiens*, not very common.

78. *Sarcoptes scabiei* L. var. *canis* GURLT.

On *Canis familiaris*, Amsterdam (P. Koorevaar).

79. *Sarcoptes scabiei* L. var. *suis* GERL.

On *Sus scrofa domestica*, Amsterdam, (P. Koorevaar). —
Some time ago often in our southern provinces.

80. *Sarcoptes scabiei* L. var. *equi*. GERL.

On *Equus caballus*, Amsterdam, (P. Koorevaar). — Very
common in all our provinces.

81. *Sarcoptes scabiei* L. var. *ovis* MÉGN.

On *Ovis aries*. Was first found in our country on sheep
in 1893 by Mr. Laméris, Veterinarian, in the Hague. Very
rare in our country.

82. *Sarcoptes scabiei* L. var. *hydrochoeri* MÉGN.

On *Hydrochoerus capybara*, Amsterdam, Zoological Gardens.
Nov. 1896. (P. Koorevaar.)

83. *Sarcoptes cati* HERING.

On *Felis maniculata domestica*. — Often, Amsterdam,
(P. Koorevaar). Some ♀ measure 0.233 m. m.

84. *Sarcoptes cati* HERING var. *muris* MÉGN.

On *Mus decumanus*. — Very often, Amsterdam, (P. Koorevaar). — I have found that this variety makes *burrows* in the tail of the rat. — Some pregnant females measure 0,435 m.m. — Sneek, 1, 10, 11.

85. *Sarcoptes cati* HERING. var. *musculi* mihi. (see p. 267).

On *Mus musculus*, Sneek, 1, 3, 10, 11.

Knemidocoptes FÜRST. 1870.

- 86.
- Knemidocoptes mutans*
- ROB.

On *Gallina gallus*, Amsterdam (P. Koorevaar).

Psoroptes GERV. 1844.

- 87.
- Psoroptes exulcerans*
- L.

On *Equus caballus*. — Very common in all our provinces.
Amsterdam (P. Koorevaar).

- 88.
- Psoroptes exulcerans*
- L. var.
- bovis*
- VAN LEEUWEN.

On *Bos taurus*. Amsterdam (P. Koorevaar).

- 89.
- Psoroptes exulcerans*
- L. var.
- cuniculi*
- MÉGN.

On *Lepus cuniculus domesticus*, Amsterdam (P. Koorevaar).

- 90.
- Psoroptes exulcerans*
- L. var.
- ovis*
- HERING.

On *Ovis aries*, Amsterdam (P. Koorevaar). — Very common in all our provinces. The Hague (Mr. Laméris).

Chorioptes GERV. 1859.

- 91.
- Chorioptes equi*
- GERL.

On *Equus caballus*. Amsterdam (P. Koorevaar). The most common horse-itch in our country.

- 92.
- Chorioptes equi*
- GERL. var.
- bovis*
- GERL.

On *Bos taurus*. Amsterdam (P. Koorevaar).

Dermatophagoides BOGD. 1864.

- 93.
- Dermatophagoides*
- sp? (see p. 268).

In a comedo of my own face, Utrecht, 1, 1879.

SIMONIDA, VOGT. 1850.

Demodex OWEN 1843.

- 94.
- Demodex folliculorum*
- SIM.

On *Homo sapiens*, Utrecht, The Hague, Sneek, Arnhem.

- 95.
- Demodex folliculorum*
- SIM. var.
- canis*
- LEYDIG.

On *Canis familiaris*, Amsterdam, (P. Koorevaar).

- 96.
- Demodex folliculorum*
- SIM. var.
- musculi*
- mihi. (see p. 269).

On *Mus musculus*, Utrecht, 6.

PHYTOPTIDAE. Pag. 1861.

Eriophyes SIEB. 1850.

1. *Eriophyes* sp. — In *Ceratoneon vulgare* BREMI on *Acer pseudoplatanus* L. — Sneek, 5; Haarlem, 5; Bloemendaal, 5.
2. *Eriophyes* sp. — In *Cephaloneon acerinum* on *Acer pseudoplatanus*, Oosterbeek, 7.
3. *Eriophyes* sp. — In *Ceratoneon vulgare* on *Tilia grandifolia*, Oosterbeek, 7.
4. *Eriophyes* sp. — In *Cephaloneon pustulatum* BREMI on *Alnus glutinosa* L., Sneek, 5.
5. *Eriophyes* sp. — In galls on *Prunus avium*, Baarn, 6.
6. *Eriophyes* sp. — In *Erineum aucupariae* Kunze on *Sorbus aucuparia*, Sneek, 5.
7. *Eriophyes* sp. — In leaf margins rolled up downwards of *Crataegus monogyna* L., Sneek, 5.

Remarks.

1. *Acaridiae*. LATREILLE created a group of mites under this name in 1806 (Consid. génér. and Gen. Crust. Ins.), containing *Trombidium*, *Erythraeus*, *Gamasus*, *Oribata* and *Acarus* (= *Tyroglyphus*). Though LEACH in 1814 already removed the first three genera from the two last ones, it is clear that LATREILLE gave this name to this group of mites with the genus *Acarus* (= *Tyroglyphus*) as type. LEACH, as I already said, removed the genera *Trombidium*, *Erythraeus* and *Gamasus* from *Oribata* and *Acarus*. Thus the group of *Acaridiae* Latr. 1806 contained only the genera *Oribata* and *Acarus*, but LEACH now gave the name of *Acarides* to the restricted group. Subsequently *Oribata* was removed again from *Acarus*, *Sarcoptes* was placed next to *Acarus* in the same group, *Acarus* was split into several other genera and new genera were created and placed into the same group; even the group was split into several smaller groups, but this all is the result of the increase of our knowledge, but the group itself is still the same. The name *Acaridiae* is also used by NITZSCH in 1818 (Ersch. u. Grub. Allg. Encycl.) and *Acarides* also by von Heyden in 1826 (Isis)

and by CAMBRIDGE (in Proc. Zool. Soc. 1876, p. 259). Further we find the following synonyms:

Acari, LEACH, 1817. Zool. Misc.

Acarinae, NITZSCH, 1818, in Ersch. u. Grub. Allg. Encycl.

Acarina, NITZSCH, 1818, ibidem.

Acarei, DUGÈS, 1834, in Ann. Sc. Nat., (2), I, p. 20, (2), II, p. 40.

Sarcoptides, SUNDEVAL, 1833, Consp. Arachn.

KOCH, 1842, Ueb. Ar. III, p. 134.

FÜRSTENBERG, 1861, Krätzm. p. 209.

ANDERSON, 1863, in Oefv. K. Vet. Ak. Förh. p. 188.

«Tyroglyphes» GERVAIS 1844, Apt. III. p. 134.

Acarea, VAN DER HOEVEN, 1849, Handb. Dierk. p. 667.

Sarcoptidae, GRUBE, 1859, in Arch. Nat. Liv. Ehst. Kurl. (2), I, p. 434, 465.

GERVAIS et VAN BENEDEN, 1859. Zool. Méd.

ROBIN, 1860, in Bull. Soc. Imp. Nat. Mosc. 33. I.

GIEBEL, 1863, Naturg. Thierr. IV. p. 397.

GERVAIS et VAN BENEDEN, 1869, Zool. Méd. II, p. 455.

MÉGNIN, 1876, in Journ. Anat. Phys. 12. p. 293.

» 1877, in Rev. Mag. Zool. p. 43, 44.

» 1879, in Journ. Anat. Phys. p. 145, 146.

» 1880, Paras. et Mal. par. p. 108, 136.

Acaridae, GERSTÄCKER, 1863, Handb. Zool. II, p. 344.

HARTING, 1870, Grondb. Dierk. III, p. 352.

BRADY 1877, in Proc. Zool. Soc. Lond. p. 27.

MURRAY, 1877, Econ. Entom. Apt. p. 93, 227.

KRAMER, 1878, in Zeit. ges. Nat. 51. p. 521, 536, 539, 542, 544.

HAYEK, 1881, Handb. Zool. II, p. 139.

Acarina atracheata, KRAMER, 1877, in Arch. Nat. p. 218.

KRAMER, 1878, in Zeit. ges. Nat. 51. p. 556, 557.

HALLER, 1880, Milb. Par. Wirbell. p. 9.

Sarcoptoidea, THORELL, 1871: in Oefv. K. Vet. Ak. Förh. p. 678.

2. *Tyroglyphina*. — DONNADIEU was the first, who separated *Tyroglyphus* and its nearest allies under the name «Tyroglyphiens» from the other *Acaridiae* (Ann. Sc. Nat. (5), X, p. 69, 1868.) Synonyms of this name are:

Detriticolae, MÉGNIN, 1872, in Journ. Anat. Phys. 8, p. 337.

MÉGNIN, 1876, in Journ. Anat. Phys. 12. p. 293.

MÉGNIN, 1877, in Rev. Mag. Zool. p. 44.

MÉGNIN, 1880, Paras. mal. par. p. 108, 137, 138.

Tyroglyphidae, DONNADIEU, 1875, Rech. s. l. Tétran. p. 9.

MURRAY, 1877. Econ. Entom. Apt. p. 93, 227, 255.

KRAMER, 1878, in Zeit. ges. Nat. 51, p. 532.

CLAUS, 1880, Grundz. Zool. p. 651.

HALLER, 1880, in Mitt. Schweiz. Ent. Ges. 6.

BRASS, 1882, Abr. d. Zool. p. 328.

Acarini, CANESTRINI E FANZAGO, 1877, in Att. R. Ist. Ven. Sc. Lett. Art. (5) IV. p. 128.

R. CANESTRINI, 1881, in Bull. Soc. Ven. Trent.

Sc. Nat. p. 171.

Hypopidae, MURRAY, 1877, Econ. Ent. Apt. p. 93, 227 (formae hypopiales).

Acaridae, KRAMER, 1878, in Zeit. ges. Nat. 51. p. 548, 558.

3. *Acarus* L. LINNÉ in his Systema Naturae, Ed. 1, Leyden, 1735, created this genus for the cheese-mite and allies. Amongst the four species of *Acarus* he called the cheese-mite *Pediculus scabiei* for he then believed that the cheese-mite was the cause of the itch. Afterwards he called it *Acarus siro* (siro = itch). The meal-mite he then called *Acarus siro* var. *farinae*, and the very itch-mite finally *Acarus siro* var. *scabiei*. — Moreover he took the expression *Acarus* from ARISTOTELES, who must have meant by his *αχαρι* the cheese-mite, which he found ἐν κηρίῳ — in wax —. A conjecture has therefore been made that ἐν κηρίῳ should been written ἐν τυρίῳ. What it may be, I think we have reason enough to consider the cheese-mite *Acarus siro* as the type of the genus *Acarus* L. 1735.

Acarus is used by LINNÉ, 1735, 1740, 1746, 1748, 1756, 1758, 1761, 1767, MÜLLER, 1775, SULZER, 1776, CZENSPINSKI, 1778, SCHRANK, 1781, GMELIN, 1790, CUVIER, 1798, TURTON, 1802, HERMANN, 1804, LATREILLE, 1806, 1817, NITZSCH, 1818, LAMARCK, 1801, LEACH, 1814, VON HEYDEN, 1826, DUGÈS, 1834, KOCH, 1836, 1842, GRUBE, 1859, GERSTÄCKER, 1863, etc.

Tyroglyphus (Type *Acarus siro* L.) by LATREILLE, 1797, Précis de caract., WALCKENAER, 1802, Faun. Par. II. p. 422, GERVAIS, 1844, ROBIN, 1860, LABOULBÈNE et ROBIN, 1862, FUMOUEZE et ROBIN, 1867, CLAPARÈDE, 1868, KRAMER, 1877, 1878, MÉGNIN, 1877, 1880, MURRAY, 1877, BERLESE, 1881, etc.

Ascarus by CLAUS, Grundz. Zool. I. p. 651, 1880.

The Hypopial form is called *Hypopus* by DUGÈS in 1833.

Scutacarus by GROS, 1845, Bull. Soc. Imp. Mosc. XI. p. 397.

Homopus by FÜRSTENBERG, 1861.

Hypomopus by VAN BENEDEN 1876, Schmarotzer des Thierr. p. 141.

Acarellus by TATEM, 1872, in Monthl. Micr. Journ. p. 263.

4. *Carpoglyphus*: — This name is already used by ROBIN in 1860, in Bull. Soc. Imp. Nat. Mosc. XXXIII p. 16 and not for the first time in 1869 (Journ. Anat. Phys. 1869, n°. 2) as is generally stated. Type is *Acarus passularum* Hering.

5. *Coepophagus* MÉGNIN. Les parasites et les maladies parasitaires, 1880, p. 138, *Caepophagus*, idem, ibidem, p. 143. Type *Tyroglyphus echinopus* Fum. ROB.

6. *Glycyphagus* HERING, 1838, Krätzm. p. 619. Type *Glycyphagus prunorum* HERING. Synonyms:

Glyciphagus GERVAIS Apt. III. p. 263, 1844.

Glycophagus AGASSIZ. Nomencl. Zool. 1846.

Glyciphocus GERVAIS, 1847, Apt. IV. p. 557.

Glyciphalus DONNADIEU, 1868, in Ann. Sc. Nat. (5), Zool. X, p. 69.

Acarus CANESTRINI e FANZAGO, 1877, in Att. R. Ist. Ven. Sc. Lett. Art. (5), IV, p. 128.

Glyciphidae MURRAY, 1877, Econ. Entom. Apt. p. 281.

Glyziphagus CLAUS, 1880, Grundz. Zool. I, p. 651.

7. *Anoetus* DUJARDIN, 1842, in Soc. Philom. Extr. Verb. p. 93.
Type *Anoetus muscarum* DUJ. = *Acarus muscarum* L., the hypopus-form. Synonyms:

? *Stegocephalus* NICOLET, 1855, in Arch. Mus. VII. p. 387.
(No description, no figure, no type).

? *Stigocephalus* NICOLET, 1855, ibidem, p. 416.

Phyllostoma KRAMER, 1876, in Arch. f. Nat. 42. I. p. 39.

Histiostoma KRAMER, 1877, in Arch. f. Nat. p. 218.

Serrator MÉGNIN, 1880, Paras. et malad. paras. p. 138.

Phyllostoma MÉGNIN, 1880, ibid. p. 144.

Philostoma MÉGNIN, 1880, ibid. p. 145.

Histostioma BERLESE. 1881. in Att. R. Ist. Ven. Sc. Lett. Art.
(5). VIII. p. 17.

8. *Labidophorus* KRAMER 1877. — KOCH, 1841, created a genus *Homopus*, for *Homopus hypudaei* KOCH, but *Homopus* was already used in 1835 by DUMÉRIL et BIBRON for *Reptilia*. — Synonym:

Dermacarus HALLER 1878, in Zeitschr. f. wiss. Zool. 30.

9. *Avicolae* (Sarcoptides avicoles [Sarcoptidae avicolae]) ROBIN
in Compt. Rend. Acad. Sc. 76. p. . . . 1868 and in Journ. Anat.
Phys. n°. 3. July. 1868. Synonyms:

Hypoderidae MURRAY, 1877, Econ. Entom. Apt. p. 93. Hypopial forms.

Sarcoptidae (partim) MURRAY, 1877, Econ. Entom. Apt. p. 93.

Dermaleichidae MURRAY, 1877, Econ. Entom. Apt. p. 227.

Plumicolae, ROBIN et MÉGNIN, 1877 in Journ. Anat. Physiol.
p. 211.

Dermaleichini R. CANESTRINI, 1881. in Bull. Soc. Ven. Trent.
Sc. Nat. p. 172.

10. *Freyana* HALLER, 1877, in Zeitschr. f. wiss. Zool. 30. p. 17.

Fryana, HALLER, 1878, in Zeitschr. f. wiss. Zool. 30. p. 81.

Cellularia MONTAGU, 1811, in Mem. Wernerian Nat. Hist. Soc.
I. p. 191. Type *Cellularia Bassani* MONT. A short, thick hypopial form, most probably of *Freyana caput medusae* TR., the only species

of *Avicolae* hitherto found on the gannet, *Sula sula* L. The name *Cellularia*, however, was already used in 1766 by PALLAS for *Polypi*.

11. *Crameria* HALLER, 1878, in Zeitschr. f. wiss. Zool. 30. p. 5. Type *Crameria lunulata* Haller. — (N. B. dedicated to Prof. P. KRAMER, why then not *Krameria*?) — *Crameria*, however, was already used in 1816 by HÜBNER for *Lepidoptera* and in 1830 by DESVOIDY for *Diptera*. — Another name therefore must replace it.

12. *Pterolichus* ROBIN, 1868, in Compt. Rend. 56. p. 776. Type *Pterolichus obtusus* Rob. — Synonym: *Pterolychus* MÉGNIN 1879. in Journ. Anat. Phys. p. 139.

13. *Pterodectes* ROBIN, 1868, in Compt. Rend. 56. o. 776. Type? . . . Synonym: *Pterodectus* MÉGNIN, 1876 in Journ. Anat. Phys. 12. p. 293, and 1877 in Rev. Mag. Zool. p. 44.

14. *Pterocolus* HALLER, 1878, in Zeitschr. f. wiss. Zool. p. 5. Type *Dermaleichus corvinus* KOCH. — But *Pterocolus* was already used bij SCHÖNHERR in 18 . . for *Coleoptera*. Another name therefore must replace it.

15. *Dimorphus* HALLER, 1878, in Zeitschr. f. wiss. Zool. 30. p. ... The name *Schistosoma*, type *Schistosoma longisetosum* is older: BRADY, 1877 in Proc. Zool. Soc. Lond. p. 27; but this name was already used in 1858 by WEINLAND for *Vermes*. That *Dimorpha* was already used by JURINE in 1807 for *Hymenoptera*, by GRAY in 1840 for MOLLUSCA, and in 1844 by HODGSON for *Aves*, is no reason to change *Dimorphus* into *Megninia*.

16. *Hartingia*, nov. gen., dedicated to my teacher the late Prof. Dr. PIETER HARTING. Like *Pteralloptes* (*Analloptes*) but 4th pair of legs without ambulacra.

17. *Hartingia lari* nov. sp. — Much resembling *Pteralloptes* (*Analloptes*) *stellaris* BUCHH., but tarsus of 2d, 3d, and 4th pair of legs transformed into an enormously developed claw. First pair of legs with large (0,022 mm) ambulacra, 2d and 3d pair with small (0,003 mm.) ambulacra. Length of male 0,34 mm., breadth of ditto 0,28 mm.

18. *Gliricolae* (errore Sarcoptides glicicoles) MÉGNIN 1876 in Journ. Anat. Physiol. p. 293. Synonyms:

Glyricolae MÉGNIN 1877 in Rev. Mag. Zool. p. 118.

Glycicolae MÉGNIN, 1878 in Journ. Anat. Phys. p. 4.

Listrophoridae HALLER, 1880, Milben als Par. d. Wirb. p. 9.

19. *Cytodytes* MÉGNIN 1876, lect. à la réun. des Soc. sav. d. l.

Sorbonne. Synonyms:

Cytoleichus MÉGNIN, 1879 in Journ. Anat. Physiol. p. 150.

Cytodites MÉGNIN, 1879, ibidem.

20. *Psoricae*. — DELAFOND and BOURGIGUON in 1862 created (Mém. Sav. Etraug. XVI. p. 289) this group, which they called « l'Ordre des Acariens Psoriques ». — Synonyms are:

Trichodactylina DONNADIEU, 1868, Ann. Sc. Nat. (5) X. p. 69.

Sarcoptida CLAUS, 1872, Grundriss d. Zool. I.

Sarcoptidae, DONNADIEU, 1875, Rech. s. l. Tétran. p. 9.

Acaridae, CLAUS, 1880, Grundzüge d. Zool. I. p. 650.

21. *Sarcoptes* LATREILLE, 1805, Type *Acarus scabiei* LINNÉ.

Synonym:

Sarkoptes FÜRSTENBERG, 1870, in Mitt. nat. Ver. Neu Vorpommern. Rüg. II. p. 57.

22. *Sarcoptes cati* HERING var. *muris* Mégn. This variety does not make burrows, as is well known, but causes incrustations at the ears of the rat. I have, however, observed that on the tail of the rat the same animal makes burrows.

23. *Sarcoptes cati* HERING var. *musculi*, nov. var. This variety differs distinctly from *Sarcoptes cati* var. *muris* MÉGN. Its eggs measured 0.166 m.m. in length. The pregnant females measured 0.45 m.m. in length, are consequently much larger than the average of *Sarcoptes cati* var. *muris* MÉGN. The anus in the females is much more backwards, touching nearly the posterior margin. The long hairs of the 3d and 4th. pair of legs are much thinner and very flexible, whilst they are thick and stiff in the variety of the rat. It makes borrows, never crusts!

24. *Knemidocoptes* FÜRSTENBERG, 1870, in Mitt. nat. Ver. Neu Vorpommern und Rüg. II. p. 61. 62. Type *Knemidocoptes viviparus* FÜRST, 1870, = *Sarcoptes mutans* ROB. 1860. — Synonyms:

Dermatoryctes EHLERS, 1873, in Zeitschr. wiss. Zool. 23. p. 250/51.

Dermatoryktes HELLER, 1880, Schmarotzer des Thierr.

25. *Psoroptes* GERVAIS, 1841, in Ann. Sc. Nat. (2) 15. p. 9.
Type *Acarus equi* RASPAIL, 1831 = *Acarus exulcerans* LINNÉ, no doubt, if we compare LINNÉ's description with the animal, known as *Psoroptes equi*.

Synonyms:

Dermatodectes GERLACH, 1857, Krätze und Räude p. 29.

Dermatokoptes FÜRSTENBERG, 1861, Krätzm. p. 219.

Dermatocoptes, ZÜRN, Ueber Milben, 1877.

26. *Chorioptes* GERVAIS, 1859, in GERV. et VAN BEN. Zool. méd. I, p. 463. Synonyms:

Symbiotes GERLACH, 1857, Krätze und Räude, p. 30, but *Symbiotes* was already used by REDTENBACHER, 1847?, for *Coleoptera Endomychidae*. Type *Symbiotes equi*.

Chiroptes FÜRSTENBERG, 1861. Krätzm. p. 209, 222.

Dermatophagus FÜRSTENBERG, 1861, Krätzm. p. 217.

Sarcodermatodectes DELAFOND et BOURGIGNON, 1862, in Mém. Sav. Etrang. 16. 1. p. 293.

Symbiotus FUMOZE et ROBIN, 1868, in Journ. Anat. Phys. n°. 3, July.

27. *Dermatophagoides*. — BOGDANOFF has delineated and described a species of mite under the name of *Dermatophagoides Scheremetewskyi* (Bull. Soc. Nat. Mosc. 1864. p. 341 sqq.) MÉGNIN has considered it the same as his *Chorioptes ecaudatus*. I think MÉGNIN was wrong in doing so. It is true that in general aspect the two species may agree, but the details they are so different, that nearly no two of them are identical. We have only to compare the figures to come to this conclusions. It is here not the place to state this point for point. I will do so most probably ere long.

In 1879 I made a preparation of the contents of a sebaceous gland of my own face, with some *Demodex folliculorum* in glycerine. Three years afterwards I saw, but very indistinctly, in the same preparation lying quite within the fat globules another mite, which I have now separated, and which though it is not

Dermatophagoides Scheremetewskyi, yet in general aspect and in details agrees more with it than with any other known mite.

A description with figures will soon follow.

28. *Simonida*. — This name was invented by CARL VOGT in his Zoologische Briefe p. 501, 1850. Synonyms:

Demodidae NICOLET in Arch. Mus. VII, p. 383, 1855.

Apnoi (partim) GIEBEL, Naturg. d. Thierr. IV. p. 399, 1863.

Macrogasterida LANDOIS in Greifsw. Medic. Beitr. p. 50, 1863.

Demodicidae GERVAIS and VAN BENEDEN Zool. médic. II, p. 455, 1869.

Demodecidae HARTING. Grondb. d. Dierk. III. p. 353, 1870.

Dermatophili CLAUS, Grundzüge d. Zool. I. 1872.

29. *Demodex folliculorum* SIM. var. *musculi* nov. var. — In a sebaceous pimple on the lip of a mouse with hundreds of *Psorergates simplex* TYRR. I found one single specimen of this variety. It is a female. I give here a table of measurements for comparison (in millimeters)*

	hominis	canis	cati	musculi
Total length	0.40	0.30	0.225	0.180
Breadth	0.04	0.045	0.033	0.027
Head-length	0.02	0.03	0.022	0.022
Thorax-length	0.09	0.10	0.075	0.050

30. *Phytoptidae* PAGENSTECHER, 1861, in Zeit. wiss. Zool. XI. p. (Sep. 2). Synonym: *Tetrapodili* BREMI apud THOMAS in Zeit. ges. Naturw. 39, p. 195, 1872.

31. *Eriophyes* was the name given by Von Siebold, 1850, in Arb. Entom. Sect. Schles. Ges. Kult. — Dujardin in 1851 used the name *Phytoptus* in Ann. Sc. Nat. (3) XV. p. 166, and *Phytopus* (errore?) ibidem p. 384. In a letter of VON SIEBOLD to THOMAS, printed partly in Zeit. f. die ges. Naturw. 33. p. 355, the writer clings to the name *Eriophyes*; he uses this term several times. And as to me, VON SIEBOLD has perfectly right in doing so.

Arnhem,
June 11, 1897.



Oudemans, A. C. 1897. "List of Dutch Acari, seventh part: Acaridiae Latr. 1806, and Phytoptidae Pagenst. 1861, with synonymical remarks en description of new species etc." *Tijdschrift voor entomologie* 40, 250–269.

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