The Kemner Collection of Siphonaptera in the Entomological Museum, Lund, with a Check-List of the Fleas of Sweden

By GUNVOR BRINCK-LINDROTH and FRANS G. A. M. SMIT

Department of Animal Ecology, University of Lund, Sweden
British Museum (Natural History), The Zoological Museum, Tring, Herts., U.K.


Introduction

The late Professor N. A. Kemner (1887–1948) is perhaps best known for his studies on termites and termitophiles. It is not common knowledge, however, that during his term of office as Head of the Entomological Department of Lund's University, i.e. from 1929 till the year of his death, he also became very interested in the flea-fauna of Sweden and apart from collecting himself he stimulated numerous others, especially his students, to do so. Such was his enthusiasm for these insects that certain students used to carry a tube with fleas freshly collected by them in their pockets, only to produce it at the psychological right moment, namely when the professor had reason to be displeased—the sight of new material used to mollify him instantly.

Unfortunately Kemner never published in extenso the results of his studies of the material of Swedish fleas although he reported most of the faunae novae species during three meetings of the Entomological Society of Lund in 1934 (eventually published in the Proceedings of the Society in 1946). It may be noted here that in the same year O. Ryberg read two communications about seven bat-fleas from Sweden but the specimens on which his reports were based are apparently no longer available for study.

The Kemner collection of fleas is preserved in the Entomological Museum of the Zoological Institute of the University, Lund, and consists of 434 preparations and some 900 tubes with innumerable specimens in alcohol. A good deal of the material had been determined by Professor Kemner but we have checked the identity of all specimens, separated fleas from other nidicoles in the tubes, rearranged the material per species and made lists of the complete label data.

Relatively few faunistic and host records relating to the Swedish fleas have so far been published (cf. Smit, 1969) and we deem it of interest to present here a concise list of the 54 species and subspecies represented in the Kemner collection, with locality and host data; a number of these are faunae novae species.

Apart from his own assiduous collecting efforts, Kemner's material was obtained—as far as can be ascertained from the label data—by the following collectors:

J. Agrell
A. Almqvist
K. Ander
P. Ardö
A. Bergengren
P. Brinck
K. Ehnbom
G. Formmark
R. Fänge
D. Gaunitz
E. Hansen-Melander
T. Hansson
E. Holmbom
T. Hörberg
G. A. Jakobsson
A. Jansson
E. Klefbeck
A. Kristoffersson
A. Levin
T. Ljungbeck
H. Lohmander
F. Lundberg
A. Lundström
H. Lundström
R. Malaise
Y. Melander
E. Mellblom
H. Muchardt
J. Mühlow
Hj. Nilsson

N. Norèhn
T. Nyholm
A. Olsson
O. Olsson
F. Ossianilsson
T. Palm
E. Persson
O. Persson
A. Pettrini
O. Ringdahl
E. C. Rosenberg
G. Rudebeck
E. Sellman
O. Sjöberg
E. Sjöquist
H. Skoog
A. Sundholm
P. O. Svanberg
O. Svensson
Svenska Jägareförbundet
B. Tjöder
G. Troedsson
J. Törnquist
P. Valeur
E. Velander
A.-L. Wennhagen
K. G. Wingstrand
L. Wingstrand
E. Wirén

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Short notes on hosts and distribution of the enumerated species can be found in Smit (1969).

### Abbreviations of names of regions

- Bl. - Blekinge
- Boh. - Bohuslän
- Dlr. - Dalarna
- Dlsl. - Dalsland
- Gstr. - Gästrikland
- Gtl. - Gotland
- Hall. - Halland
- Hls. - Hälsingland
- Hrj. - Härjedalen
- Jmt. - Jämtland
- Lu.lpm. - Lule lappmark
- Ly.lpm. - Lycksele lappmark
- Nb. - Norrbotten
- Nrk. - Narke
- P.lpm. - Pite lappmark
- Sdm. - Södermanland
- Sk. - Skåne
- Sm. - Småland
- T.lpm. - Torne lappmark
- Upl. - Uppland
- Vg. - Västergötland
- Vrm. - Värmland
- Ö1. - Öland

### List of collecting localities

(The numbers in brackets following the names of localities in Sweden refer to those on the maps, Figs. 1–3.)

**Sweden:**

- **Abisko**, T.lpm. 68.20°N 18.25°E (207)
- **Adelsö**, Upl. 59.32°N 17.32°E (150)
- **Aktse (Aktsestugorna)**, Lu.lpm. 67.08°N 18.18°E (195)
- **Alva**, Gtl. 57.35°N 18.23°E (78)
- **Annerstad (Skeen)**, Sm. 56.02°N 13.42°E (101)
- **Ammarnas**, Ly.lpm. 65.38°N 16.10°E (188)
- **Billinge**, Sk. 55.30°N 13.05°E (9)
- **Bara**, Sk. 55.35°N 13.12°E (18)
- **Basttötenhöjden (Lundberg)**, Vrm. 59.30°N 14.07°E (154)
- **Billinge**, Sk. 55.58°N 13.21°E (55)
- **Björkliden**, T.lpm. 68.25°N 18.40°E (208)
- **Börjentorp**, Sm. 55.38°N 13.25°E (26)
- **Bjurfors (Avesta)**, Dlr. 60.09°N 16.10°E (171)
- **Bokskogen (Bokeberg)**, Sk. 55.35°N 13.09°E (20)
- **Borgeby**, Sk. 55.45°N 13.04°E (14)
- **Borgholms alvar**, Öl. 56.51°N 16.40°E (72)
- **Bosjökloster**, Sk. 55.54°N 13.31°E (53)
- **Broholm**, Vg. 57.58°N 13.49°E (118)
- **By**, Dlr. 60.13°N 16.28°E (174)
- **Byvalla**, Dlr. 60.21°N 16.25°E (172)
- **Bäckaskog**, Sk. 56.05°N 14.20°E (43)
- **Böda**, Öl. 57.14°N 17.03°E (74)
- **Bökeberg**, Sk. 56.35°N 13.09°E (20)
- **Dalarö**, Sdm. 59.08°N 18.25°E (135)
- **Dalby**, Upl. 59.46°N 17.34°E (141)
- **Diö**, Sm. 56.38°N 14.13°E (99)
- **Ekerum (Högskum)**, Öl. 56.47°N 16.34°E (71)
- **Eksta (Stjärnarve)**, Gtl. 57.17°N 18.12°E (81)
- **Eksta (Rondarve)**, Gtl. 57.17°N 18.12°E (81)
- **Eskilstorpsholmarna**, Sk. 55.29°N 12.57°E (5)
- **Falköping**, Vg. 58.10°N 13.31°E (116)
- **Falsterbo**, Sk. 55.23°N 12.50°E (3)
- **Falun (Toxen)**, Dlr. 60.37°N 15.40°E (169)
- **Flercyrd**, Sm. 57.08°N 16.15°E (92)
- **Fors**, Jmt. 63.02°N 16.38°E (184)
- **Frenninge (Fränninge)**, Sk. 55.43°N 13.48°E (40)
- **Fröjel (Ekstad)**, Gtl. 57.20°N 18.11°E (83)
- **Fullofta**, Sk. 55.53°N 13.38°E (51)
- **Gessie (Gässie)**, Sk. 55.30°N 12.68°E (6)
- **Glumslöv**, Sk. 55.56°N 12.48°E (59)
- **Grankullaviken**, Öl. 57.19°N 17.08°E (75)
- **Grimmare**, Vg. 57.15°N 12.27°E (104)
- **Gullberg (Borensberg)**, Ög. 58.34°N 15.15°E (127)
- **Gysinge**, Gstr. 60.17°N 16.53°E (175)
- **Gällivare**, Lu.lpm. 67.08°N 20.42°E (193)
- **Gässlösa (Borás)**, Vg. 57.43°N 12.55°E (106)
- **Göteborg**, Vg. 57.43°N 11.58°E (109)
- **Hallands Väderö**, Sk. 56.26°N 12.33°E (66)
- **Hamrafjället**, Hrj. 62.35°N 12.13°E (181)
- **Helsingborg**, Sk. 56.03°N 12.42°E (61)
- **Holm**, Dlr. 58.42°N 12.27°E (160)
- **Hornidal**, Dlr. 60.17°N 16.21°E (173)
- **Häckeberga**, Sk. 55.35°N 13.25°E (25)
- **Högklint**, Gtl. 57.36°N 18.12°E (88)
- **Höör**, Sk. 55.56°N 13.33°E (49)
- **Idre (Långfjället)**, Dlr. 61.52°N 12.45°E (179)
- **Ingmarsö**, Upl. 59.28°N 18.45°E (136)
- **Jormliden (Jormlien)**, Jmt. 64.44°N 13.58°E (187)
- **Jormvåttet**, Jmt. 64.43°N 14.03°E (186)
- **Järna (on islet in lake Skramsens)**, Dlr. 60.33°N 14.23°E (167)
- **Kalmarsund**, Sm. 56.40°N 16.25°E (94)
- **Kallsby (Kristberg)**, Ög. 58.35°N 15.13°E (126)
- **Karlskrona**, Bl. 56.10°N 15.35°E (68)
- **Karungi**, Nb. 66.03°N 23.55°E (192)
- **Kebnekaise**, Lu.lpm. 67.53°N 18.40°E (203)
- **Kimbåst**, Ög. 58.33°N 15.58°E (133)
- **Kiruna**, T.lpm. 67.51°N 20.13°E (204)
- **Kisa**, Ög. 57.59°N 15.37°E (121)
- **Kivik**, Sk. 55.41°N 14.14°E (38)
- **Klintehamm**, Gtl. 57.24°N 18.12°E (84)
- **Korsberga**, Sm. 57.18°N 15.06°E (97)
- **Krageholm**, Sm. 55.30°N 13.45°E (35)
- **Krankejö**, Sk. 55.43°N 13.27°E (30)
- **Kristinehamn**, Vrm. 59.20°N 14.07°E (155)
- **Kronoberg**, Sm. 56.56°N 14.48°E (95)
- **Kvikkjokk**, Vg. 56.57°N 17.47°E (197)