

youth to whom the lady had given a meal; for, shortly after this kind deed it was noted that numbers of tiny insects were swarming about, particularly in the proximity of the davenport and chairs. Personal inspection showed no sign of the insects on the floors since the room had been thoroughly scoured, and barriers of paradichlorbenzene laid down to prevent their spread. However, on the underside of the davenport and chairs and particularly beneath the tapestry were tremendous numbers of Atropids. Since a careful inspection of other parts of the residence revealed no traces of the pests it is concluded that the furniture (which must have been more or less stocked with them before leaving the storehouse) was the source of infestation and that they increased extensively until the food supply was depleted and then necessity forced them to migrate.

From these three instances noted we may conclude that while an infestation of book-lice may arise by breeding in damp and concealed parts of a building itself, it is more likely that they originate from furniture which has not been adequately sterilized before leaving the factory or warehouse.

Acknowledgment.

I am indebted to Professor G. J. Spencer for details of the first outbreak mentioned and for the opportunity to work on the third one.

A LIST OF THE ANTS OF BRITISH COLUMBIA

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In the Proceedings of the Entomological Society of British Columbia, No. 24, for 1927, the writer published an annotated list of twenty-nine ants which had been recorded from British Columbia prior to 1928.

Since that time and up to December 31st, 1931, collections from 150 nests in British Columbia have been determined and twenty-six new records established.

In the following list all the material was collected by the writer unless otherwise stated.

The writer is indebted to Mr. R. M. Smith, Prof. W. M. Wheeler and Dr. Mann for the identification of material.

Order **HYMENOPTERA**
 Superfamily **FORMICOIDEA**
 Family **FORMICIDAE**
 Subfamily **MYRMECINAE**
 Genus **SOLENOPSIS** Fabricius

- (1) **Solenopsis molesta** Say:—Osoyoos, April 24th, 1925.
 Genus **PHEIDOLE** Westwood
- (2) **Pheidole oregonica** Emery:—Osoyoos, April 23rd, 1925.
 Genus **STENAMMA** Westwood
- (3) **Stenamma nearcticum** Mayr:—Recorded from British Columbia
 by Prof. W. M. Wheeler.
 Genus **APHAENOGASTER** Mayr

- (4) **Aphaenogaster subterranea** subsp. **occidentalis** Emery:—Okanagan Falls, April 24th, 1919; Naramata, May 2nd, 1919; Penticton, April 13th, 1919; Chilcotin, April 25th, 1920; Vernon, April 3rd, 1925; Kamloops, April 15th, 1925; Vaseaux Lake, March 17th, 1926.

Genus **POGONOMYRMEX** Mayr

- (5) **Pogonomyrmex occidentalis** Cresson:—Keremeos, May 11th, 1919; Oliver, May 4th, 1924; Osoyoos, April 23rd, 1925.

Genus **MYRMICA** Latreille

- (6) **Myrmica mutica** Emery:—Dog Lake, October 1st, 1913 (Dr. C. G. Hewitt); Okanagan Falls, April 24th, 1919; Summerland, April 20th, 1919.
- (7) **Myrmica rubra** subsp. **brevinodis** var. **frigida** Forel:—Recorded from British Columbia by Prof. W. M. Wheeler.
- (8) **Myrmica rubra** subsp. **brevinodis** var. **whymperi** Forel:—Recorded from British Columbia by Prof. W. M. Wheeler.
- (9) **Myrmica rubra** subsp. **brevinodis** var. **sulcinodoides** Emery:—Minnie Lake, July 26th, 1925.
- (10) **Myrmica rubra** subsp. **brevinodis** Emery var.:—Chilcotin, April 20th, 1920; Kamloops, April 16th, 1925; Barkerville, August 2nd, 1925.
- (11) **Myrmica scabrinodis** subsp. **lobicornis** var. **lobifrons** Pergande (**glacialis** Forel):—Recorded from British Columbia by Prof. W. M. Wheeler.
- (12) **Myrmica scabrinodis** Nyl, subsp. or var.:—Chilcotin, April 20th, 1920.

Genus **LEPTOTHORAX** Mayr

- (13) **Leptothorax acervorum** subsp. **canadensis** Provancher:—Chilcotin, April 28th, 1920 (not typical).

Subfamily **DOLICHODERINAE**

Genus **LIOMETOPUM** Mayr

- (14) **Liometopum apiculatum** subsp. **luctuosum** Wheeler:—Naramata, May 4th, 1927.

Genus **TAPINOMA** Förster

- (15) **Tapinoma sessile** Say:—Fairview, May 19th, 1919; Penticton, April 23rd, 1920; Chilcotin, April 20th, 1920; Nicola, April 22nd, 1924; Kamloops, April 15th, 1925; Lillooet, May 27th, 1925; Osoyoos, May 24th, 1925.

Subfamily **CAMPONOTINAE**

Genus **LASIUS** Fabricius

Subgenus *Lasius* s. str.

- (16) **Lasius niger** var. **neoniger** Emery:—Chilcotin, April 20th, 1920.
- (17) **Lasius niger** subsp. **alienus** var. **americanus** Emery:—Okanagan Falls, April 24th, 1919; Nicola, April 22nd, 1924; Osoyoos, April 23rd, 1925.
- (18) **Lasius niger** var. **sitkaensis** Pergande:—Salmon Arm, April 5th, 1925.
- (19) **Lasius brevicornis** Emery:—Chilcotin, April 25th, 1920; Osoyoos, April 24th, 1925.
- (20) **Lasius flavus** subsp. **nearcticus** Wheeler:—Naramata, May 22nd, 1919.

- (21) **Lasius umbratus** subsp. **subumbratus** Viereck:—Keremeos, July 23rd, 1925.

Subgenus ACANTHOMYOPS Mayr

- (22) **Lasius (Acanthomyops) interjectus** Mayr:—Kamloops, April 16th, 1925.
 (23) **Lasius (Acanthomyops) claviger** Roger:—Penticton, May 2nd, 1919; Chilcotin, April 24th, 1920; Minnie Lake, July 26th, 1925.
 (24) **Lasius (Acanthomyops) latipes** Walsh:—Kamloops, April 16th, 1925.

Genus FORMICA Linnaeus

- (25) **Formica sanguinea** subsp. **subintegra** Emery:—Fairview, June 12th, 1919.
 (26) **Formica sanguinea** subsp. **subnuda** Emery:—Salmon Arm, April 6th, 1925.
 (27) **Formica sanguinea** subsp. **puberula** Emery:—Chilcotin, April 20th, 1920; Minnie Lake, July 25th, 1925.
 (28) **Formica rufa** subsp. **obscuripes** Forel:—Kaleden, April 14th, 1919.
 (29) **Formica rufa** subsp. **obscuripes** var. **melanotica** Emery:—Penticton, April 23rd, 1919; Chilcotin, April 20th, 1920; Minnie Lake, July 25th, 1925.
 (30) **Formica rufa** subsp. **aggerans** Wheeler:—Chilcotin, April 25th, 1925.
 (31) **Formica oreas** var. **comptula** Wheeler:—Fairview, May 5th, 1919; Chilcotin, April 20th, 1920.
 (32) **Formica whymperei** Forel:—Emerald Lake (Collected by Prof. W. M. Wheeler).
 (33) **Formica hewitti** Wheeler:—Emerald Lake (Collected by Dr. C. G. Hewitt).
 (34) **Formica truncicola** subsp. **integra** Nyl:—Salmon Arm, April 7th, 1925.
 (35) **Formica fusca** Linnaeus:—Barkerville, August 8th, 1925.
 (36) **Formica fusca** var. **gelida** Wheeler:—Osoyoos, June 9th, 1919; Barkerville, August 2nd, 1925; Invermere, August 29th, 1925.
 (37) **Formica fusca** var. **argentata** Wheeler:—Lillooet, May, 7th, 1925.
 (38) **Formica fusca** var. **subaenescens** Emery:—Kaleden, April 14th, 1919; Chilcotin, April 25th, 1920; Osoyoos, April 23rd, 1925.
 (39) **Formica fusca** var. **neoclara** Emery:—Chilliwack (Collected by Dr. C. G. Hewitt).
 (40) **Formica fusca** var. **neurufibarbis** Emery:—Kelowna, and Kaslo (Collected by Dr. C. G. Hewitt); Chilcotin, April 24th, 1920.
 (41) **Formica fusca** var. **narcida** Wheeler:—Chilcotin, April 20th, 1920.
 (42) **Formica fusca** subsp. **pruinosa** Wheeler:—Fairview, May 12th, 1919.
 (43) **Formica subpolita** Mayr:—Okanagan Falls, April 24th, 1919; Chilcotin, April 20th, 1920; Oliver, May 2nd, 1921; Kamloops, April 15th, 1925.

- (44) **Formica subpolita** var. **camponoticeps** Wheeler:—Okanagan Falls, April 24th, 1919; Chilcotin, April 23rd, 1920; Kamloops, April 15th, 1925; Osoyoos, April 23rd, 1925; Lillooet, May 27th, 1925; Vaseaux Lake, March 17th, 1926.
- (45) **Formica neogagates** Emery:—Fairview, May 21st, 1919; Chilcotin, April 20th, 1920; Osoyoos, April 23rd, 1925.
- (46) **Formica neogagates** subsp. **lasiodes** var. **vetula** Wheeler:—Chilcotin, April 20th, 1920.
- (47) **Formica cinerea** Mayr. var.:—Nicola, April 17th, 1925.
Genus POLYERGUS Latreille
- (48) **Polyergus rufescens** subsp. **breviceps** Emery:—Chilcotin, April 20th, 1920.
Genus CAMPONOTUS Mayr
- (49) **Camponotus levigatus** F. Smith:—Cranbrook, August 20th, 1925.
- (50) **Camponotus maculatus** subsp. **vicinus** Mayr:—Osoyoos, April 23rd, 1919; Rockcreek, April 22nd, 1919; Lillooet, May 27th, 1925.
- (51) **Camponotus maculatus** subsp. **vicinus** var. **nitidiventris** Emery:—Vernon, April 3rd, 1919; Chilcotin, April 25th, 1920; Kamloops, April 15th, 1925.
- (52) **Camponotus maculatus** subsp. **vicinus** var. **luteangulus**:—Nicola, April 22nd, 1924.
- (53) **Camponotus herculeanus** var. **whymperi** Forel:—Chilcotin, April 25th, 1920; Barkerville, August 2nd, 1925; Douglas Lake, June 1st, 1925; Revelstoke, July 2nd, 1925; Invermere, August 29th, 1925.
- (54) **Camponotus herculeanus** var. **modoc** Wheeler:—Summerland, April 20th, 1919; Chilcotin, April 20th, 1920.
- (55) **Camponotus herculeanus** subsp. **ligniperdus** var. **noveboracensis** Fitch:—Keremeos, May 11th, 1919; Fairview, May 3rd, 1919; Chilcotin, April 20th, 1920.

FURTHER NOTES ON RHYNCOCEPHALUS SACKENI, WILL. (Diptera, Nemestrinidae)

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Last spring 1931, I presented before this Society certain records made in summer 1930, of flies laying eggs in telephone poles which were strung along the floor of a long shallow valley in the Chilcotin district of B.C. A closely related fly is reported in literature as parasitizing larvae of wood-boring beetles; I could not at the time reconstruct the life history of the flies I found. However, this past summer 1931, I had an opportunity of again inspecting these same telephone poles and present herewith the following further records which will partly clear up the problem of the habits of these rare flies.

The first visit was on June 3rd and I found three flies ovipositing on a pole, and just above ground level, a specimen of the Cerambycid beetle **Aseum atrum** Esch. alongside a new emergence hole in the wood. Last year I reported the poles as having no emergence holes of any insects in them; this season I noted my mistake, since the three