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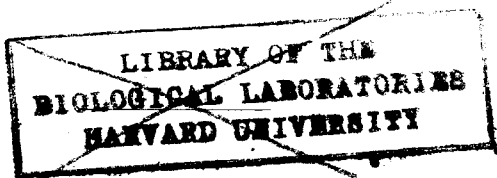
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FAUNA OF NEW ENGLAND.

7.

LIST OF THE FORMICIDAE.

By WILLIAM MORTON WHEELER.



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## FAUNA OF NEW ENGLAND.

The Library and Publishing Committee will issue, as volume seven of the Occasional Papers, a Catalogue of the animals of New England.

Parts will be published at irregular intervals, and though the details of the several lists will vary somewhat in the different groups, each list will include, 1st, the accepted name (scientific and vernacular); 2d, reference to the original description, with record of locality; 3d, reference to an authentic description and illustration, and 4th, habitat and occurrence.

The Committee considers these lists a necessary preliminary to a series of comprehensive, illustrated monographs, the publication of which it is hoped the Society will at some later time take upon itself.

The Committee also believes that these lists will aid in the accumulation of valuable material for the New England collection of the Society. With this in view a separate check list of names will be issued with each part. In this check list the + indicates a specimen in the Society's Museum; the — that a trustworthy record exists.

Toward the accomplishment of its aims the Committee invites the coöperation of all interested in the Fauna of New England.

Communications concerning specimens should be addressed to the CURATOR of the Society (Chas. W. Johnson), notes and records of occurrence to the EDITOR of the "Fauna of New England" (Samuel Henshaw).

Boston Society Natural History,  
234 Berkeley St., Boston, Mass.

FORMICIDAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
<i>Stigmatomma pallipes</i> . . . . .		—	—	—	—	—
<i>Ponera coarctata pennsylvanica</i> . . . . .		—	—	—	—	—
<i>Myrmicina graminicola americana</i> . . . . .		—	—	—	—	—
<i>Myrmicina graminicola americana</i> var. <i>brevispinosa</i> . . . . .		—	—	—	—	—
<i>Monomorium pharaonis</i> . . . . .		—	—	—	—	—
<i>Monomorium minutum</i> var. <i>minimum</i>		—	—	—	—	—
<i>Solenopsis molesta</i> . . . . .		—	—	—	—	—
<i>Pheidole pilifera</i> . . . . .		—	—	—	—	—
<i>Cremastogaster lineolata</i>		—	—	—	—	—
<i>Cremastogaster lineolata</i> var. <i>cerasi</i> . . . . .	—	—	—	—	—	—
<i>Stenamamma brevicorne</i> . . . . .		—	—	—	—	—
<i>Stenamamma brevicorne diecki</i> var. <i>impres-</i> <i>sum</i> . . . . .		—	—	—	—	—
<i>Stenamamma</i> ( <i>Aphaenogaster</i> ) <i>tennesseense</i>		—	—	—	—	—
<i>Stenamamma</i> ( <i>Aphaenogaster</i> ) <i>tennesseense</i> var. <i>ealcaratum</i> . . . . .		—	—	—	—	—
<i>Stenamamma</i> ( <i>Aphaenogaster</i> ) <i>treatae</i> . . . . .		—	—	—	—	—
<i>Stenamamma</i> ( <i>Aphaenogaster</i> ) <i>mariae</i> . . . . .		—	—	—	—	—
<i>Stenamamma</i> ( <i>Aphaenogaster</i> ) <i>fulvum</i> . . . . .		—	—	—	—	—
<i>Stenamamma</i> ( <i>Aphaenogaster</i> ) <i>fulvum</i> <i>aquia</i> . . . . .		—	—	—	—	—
<i>Stenamamma</i> ( <i>Aphaenogaster</i> ) <i>fulvum</i> <i>aquia</i> var. <i>piceum</i> . . . . .		—	—	—	—	—
<i>Myrmica punctiventris</i> . . . . .		—	—	—	—	—
<i>Myrmica rubra brevinodis</i> . . . . .		—	—	—	—	—
<i>Myrmica rubra brevinodis</i> var. <i>sulci-</i> <i>nodoides</i> . . . . .	—	—	—	—	—	—
<i>Myrmica rubra laevinodis</i> var. <i>bruesi</i> . . . . .		—	—	—	—	—
<i>Myrmica rubra scabrinodis</i> var. <i>fracti-</i> <i>cornis</i> . . . . .		—	—	—	—	—
<i>Myrmica rubra scabrinodis</i> var. <i>sabuleti</i>	—	—	—	—	—	—
<i>Myrmica rubra scabrinodis</i> var. <i>schencki</i>	—	—	—	—	—	—
<i>Myrmica rubra scabrinodis</i> var. <i>detriti-</i> <i>nodis</i> . . . . .		—	—	—	—	—
<i>Leptothorax acervorum canadensis</i> . . . . .		—	—	—	—	—
<i>Leptothorax emersoni</i> . . . . .		—	—	—	—	—
<i>Leptothorax longispinosus</i> . . . . .		—	—	—	—	—

FORMICIDAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
<i>Leptothorax curvispinosus</i>				—		—
<i>Leptothorax curvispinosus ambiguus</i>				—		—
<i>Tetramorium caespitum</i>				—		
<i>Strumigenys pergandei</i>				—		
<i>Dolichoderus mariaë</i>						—
<i>Dolichoderus taschenbergi</i> var. <i>gagates</i>		—		—		
<i>Dolichoderus plagiatus</i>				—	—	—
<i>Tapinoma sessile</i>				—	—	—
<i>Brachymyrmex heeri depilis</i>				—	—	—
<i>Prenolepis imparis</i>				—	—	—
<i>Prenolepis imparis</i> var. <i>minuta</i>				—	—	—
<i>Prenolepis parvula</i>				—	—	—
<i>Lasius niger</i> var. <i>neoniger</i>	—	—		—	—	—
<i>Lasius niger</i> var. <i>americanus</i>	—	—		—	—	—
<i>Lasius brevicornis</i>				—	—	—
<i>Lasius flavus</i> var. <i>nearcticus</i>				—	—	—
<i>Lasius umbratus mixtus</i> var. <i>aphidicola</i>	—	—		—	—	—
<i>Lasius umbratus minutus</i>	—			—	—	—
<i>Lasius</i> ( <i>Acanthomyops</i> ) <i>interjectus</i>				—	—	—
<i>Lasius</i> ( <i>Acanthomyops</i> ) <i>claviger</i>				—	—	—
<i>Lasius</i> ( <i>Acanthomyops</i> ) <i>latipes</i>				—	—	—
<i>Formica pergandei</i>				—	—	—
<i>Formica sanguinea aserva</i>				—	—	—
<i>Formica sanguinea rubicunda</i>				—	—	—
<i>Formica sanguinea rubicunda</i> var. <i>sub-integra</i>				—	—	—
<i>Formica rufa obscuriventris</i>				—	—	—
<i>Formica rufa integra</i>		—		—	—	—
<i>Formica difficilis</i> var. <i>consocians</i>				—	—	—
<i>Formica nepticula</i>				—	—	—
<i>Formica impexa</i>				—	—	—
<i>Formica dryas</i> var. <i>gymnomma</i>				—	—	—
<i>Formica exsectoides</i>	—	—		—	—	—
<i>Formica pallide-fulva schaufussi</i>	—			—	—	—
<i>Formica pallide-fulva schaufussi</i> var. <i>incerta</i>				—	—	—
<i>Formica pallide-fulva nitidiventris</i>				—	—	—
<i>Formica pallide-fulva nitidiventris</i> var. <i>fuscata</i>				—	—	—
<i>Formica morsei</i>				—	—	—
<i>Formica fusca</i> var. <i>subsericea</i>		—		+	—	—
<i>Formica fusca</i> var. <i>argentata</i>				—	—	—
<i>Formica fusca</i> var. <i>subaenescens</i>	—	—		—	—	—

FORMICIDAE.

	Me.	N. H.	Vt.	Mass.	R. I.	Conn.
Formica fusca var. neoclara . . . . .				—		—
Formica fusca subpolita . . . . .				—		—
Formica fusca subpolita var. neogagates				—		—
Formica fusca subpolita var. picea . . .			—	—		—
Polyergus rufescens lucidus . . . . .				—		—
Camponotus castaneus . . . . .				—		—
Camponotus castaneus americanus . . .				—		
Camponotus herculeanus . . . . .			—			
Camponotus herculeanus pennsylvanicus	—	—	—	+		—
Camponotus herculeanus pennsylvanicus var. ferrugineus . . . . .				—		—
Camponotus herculeanus ligniperdus var. novaeboracensis . . . . .	—	—	—	—	—	—
Camponotus herculeanus ligniperdus var. rubens . . . . .	—					
Camponotus marginatus var. nearcticus				—	—	—
Camponotus marginatus var. minutus . .				—		

## FORMICIDAE.

### FORMICIDAE.

### PONERINAE.

#### 1. STIGMATOMMA PALLIPES (Haldeman) Emery.

Emery, Zool. Jahrb. Syst., 1894, vol. 8, 261, 262, ♀ ♀ ♂.

Wheeler, Biol. bull., 1900, vol. 2, p. 56 *et seq.*, figs. 5-7, ♀ ♀ ♂.

*Typhlopone pallipes* Haldeman, Proc. acad. nat. sci. Phila., 1844, vol. 2, p. 54, ♀. "IN OLD STUMPS IN JUNE."

N. H.—Canobie Lake (King).

MASS.—Springfield (Dimmock); Naushon Island (Wheeler).

CONN.—Suffield (Dimmock); Colebrook (Wheeler).

#### 2. PONERA COARCTATA PENNSYLVANICA (Buckley) Emery.

Wheeler, Biol. bull., 1900, vol. 2, p. 44 *et seq.*, ♀ ♀ ♂, figs. 1-3.

*Ponera pennsylvanica* Buckley, Proc. ent. soc. Phila., 1866, vol. 6, p. 171, ♀. "VICINITY OF PHILADELPHIA."

*Ponera coarctata* Latr. subsp. *pennsylvanica* Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 267, 268, ♀ ♀ ♂.

VT.—Lyndon (Melander).

MASS.—Springfield (Dimmock); Mt. Tom (King); Woods Hole (Wheeler).

CONN.—Colebrook (Wheeler).

### MYRMICINAE.

#### 3. MYRMECINA GRAMINICOLA AMERICANA Emery.

*Myrmecina latreillei* Curtis subsp. *americana* Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 271, ♀. "D[ISTRICT OF] COLUMBIA."

MASS.—(King.)

## FORMICIDAE.

## MYRMICINAE.

4. MYRMECINA GRAMINICOLA AMERICANA Emery var. BREVI-  
SPINOSA Emery.

*Myrmecina latreillei* Curtis subsp. *americana* Emery var. *brevi-  
spinosa* Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 271, ♀. "D[IS-  
TRICT OF] COLUMBIA."

MASS.—(King.)

CONN.—Colebrook (Wheeler).

5. MONOMORIUM PHARAONIS (Linné).

Mayr, Verh. zool. bot. ges. Wien., 1886, vol. 36, p. 359.

Riley, Insect life, 1889, vol. 2, p. 106, fig. 18.

*Formica pharaonis* Linné, Syst. nat. ed. 10, 1758, vol. 1, p. 580,  
♀. "AEGYPTO."

MASS.—(Dimmock); Boston (Wheeler).

6. MONOMORIUM MINUTUM Mayr. var. MINIMUM (Buckley)  
Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 274, 275, ♀ ♀ ♂.

*Myrmica minima* Buckley, Proc. ent. soc. Phila., 1867, vol. 6,  
p. 338, ♀ "CENTRAL TEXAS."

*Myrmica atra* Buckley, *ibid.*, p. 342, ♀. "NEAR GEORGETOWN,  
D. C."

MASS.—Wellesley (Morse); Woods Hole (Miss Fielde).

R. I.—Providence (Davis).

CONN.—New Haven and North Haven (Viereck).

7. SOLENOPHIS MOLESTA (Say) Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 277, 278.

*Myrmica molesta* Say, Bost. journ. nat. hist., 1836, vol. 1, p. 293,  
294, ♀. —

? *Myrmica minuta* Say, *ibid.*, p. 294, ♀, "INDIANA."

## FORMICIDAE

## MYRMICINAE.

*Solenopsis debilis* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 461, ♀ ♀ ♂.

N. H.—Canobie Lake and West Ossipie (King).

MASS.—Wellesley and Sherborn (Morse); Cambridge (Mus. Comp. Zoöl.).

CONN.—New Haven (Whittlesey); North Haven (Viereck); Colebrook (Wheeler).

## 8. PHEIDOLE PILIFERA (Roger) Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 290.

*Leptothorax pilifer* Roger, Berl. entom. zeitschr., 1863, vol. 7, p. 180, 181, ♀. "PENNSYLVANIEN."

*Pheidole pennsylvanica* Roger, *ibid.*, p. 199, 21. "PENNSYLVANIEN."

*Pheidole pennsylvanica* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 455-457, 2 ♀ ♀ ♂.

MASS.—Essex County (King); West Springfield (Morse); Naushon Island (Wheeler).

## 9. CREMASTOGASTER LINEOLATA (Say) Emery.

Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 462, 463, ♀.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 281, 282, ♀, ♀ ♂.

*Myrmica lineolata* Say, Bost. journ. nat. hist., 1836, vol. 1, p. 290, 291, ♀ ♀ ♂. "UNITED STATES."

N. H.—Holderness (Morse); Canobie Lake (King).

MASS.—Cambridge (Miss Clark); Sherborn, Middlesex Fells (Morse); Woods Hole (Miss Fielde, Wheeler); Medford, (Dall) Springfield, West Springfield, Belchertown, Mt. Tom (King); Concord (Mann).

R. I.—Lonsdale (Davis).

CONN.—(Mayr); Branford and West Haven (Viereck); New Haven and New Canaan (Britton); Suffield (Dimmock); Colebrook (Wheeler).



## FORMICIDAE.

## MYRMICINAE.

## 10. CREMASTOGASTER LINEOLATA Say var. CERASI (Fitch) Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 282, 283, ♀.

*Myrmica cerasi* Fitch, N. Y. state agr. soc., 1855, vol. 14, p. 834, 835, ♀. "NEW YORK."

ME.— (Emery.)

CONN.— Colebrook (Wheeler).

## 11. STENAMMA BREVICORNE (Mayr) Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 299, ♀ ♀ ♂.

Wheeler, Psyche, 1903, vol. 10, p. 166-168, ♀ ♀ ♂.

*Aphaenogaster brevicornis* Mayr, Verh. Zool. bot. ges. Wien, 1886, vol. 36, p. 447, 448, ♀ ♀. "VIRGINIA."

Vt.— Lyndon (Melander).

MASS.— Essex Co. (King).

CONN.— Colebrook (Wheeler).

## 12. STENAMMA BREVICORNE DIECKI Emery var. IMPRESSUM Emery.

Wheeler, Psyche, 1903, vol. 10, p. 167, ♀.

*Stenammas brevicorne* subsp. *diecki* Emery var. *impressum* Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 301, ♀. "RICH'S SPRING, N. YORK."

Vt.— (Forel.)

## 13. STENAMMA (APHAENOGASTER) TENNESSEENSE (Mayr) Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 301.

*Atta tennesseensis* Mayr, Verh. zool. bot. ges. Wien, 1862, vol. 12, p. 743, ♀. "TENNESSEE."

*Atta laevis* Mayr, *ibid.*, p. 743, 774, ♀.

*Aphaenogaster tennesseensis* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 443, 446, ♀.

MASS.— Essex County and Mt. Tom (King).

CONN.— Colebrook (Wheeler).

## FORMICIDAE.

## MYRMICINAE.

14. STENAMMA (APHAENOGASTER) TENNESSEENSE Mayr var.  
ECALCARATUM Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 301, ♀. "N[EW] HAMPSHIRE."

N. H.—(Emery.)

15. STENAMMA (APHAENOGASTER) TREATAE (Forel) Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 302.

*Aphaenogaster treatae* Forel, Ann. soc. ent. Belg., 1886, vol. 30, C. R. p. xl-xli, ♀ ♀ ♂. "VINELAND, N[EW] JERSEY."

CONN.—Poquonock (Viereck).

16. STENAMMA (APHAEOGASTER) MARIAE (Forel) Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 301.

*Aphaenogaster mariae* Forel, Ann. soc. ent. Belg., 1886, vol. 30, C. R. p. xli, ♀. "FLORIDE."

CONN.—Colebrook (Wheeler).

17. STENAMMA (APHAENOGASTER) FULVUM (Roger) Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 303, 304, ♀ ♀ ♂.

*Aphaenogaster fulva* Roger, Berl. ent. zeitschr., 1863, vol. 7, p. 190, 191, ♀. "NORD-AMERIKA."

*Aphaenogaster fulva* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 443, 445-446, ♀ ♀ ♂.

N. H.—Canobie Lake and West Ossipie (King).

Vt.—Bay (Davis).

MASS.—Springfield and Mt. Tom (King); Danvers (Emerton).

CONN.—(Mayr); Colebrook (Wheeler).

18. STENAMMA (APHAENOGASTER) FULVUM AQUIA (Buckley)  
Emery.

*Myrmica (Monomorium) aquia* Buckley, Proc. ent. soc. Phila.,

## FORMICIDAE.

## MYRMICINAE.

1867, vol. 6, p. 341, ♀ ♀. "AQUIA, VIRGINIA, \* \* \* WESTERN NEW YORK."

*Stenamamma (Aphaenogaster) fulvum* Roger subsp. *aquia* Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 304, 305, ♀ ♀ ♂.

MASS.—Andover, Sherborn, Needham and Weston (Morse); Woods Hole (Miss Fielde, Wheeler).

CONN.—Branford (Viereck, Winkley); New Haven (Viereck); Colebrook (Wheeler).

19. STENAMMA (APHAENOGASTER) FULVUM AQUIA Buckley var. PICEUM Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 305, 306, ♀ ♀ ♂. "CANADA, CONNECTICUT, PENNSYLVANIA, D. COLUMBIA, N. YORK, N. JERSEY."

MASS.—Sherborn (Morse); Medford (Dall); Woods Hole (Miss Fielde, Wheeler); New Boston (Wheeler).

CONN.—(Emery); Colebrook (Wheeler).

20. MYRMICA PUNCTIVENTRIS Roger.

Roger, Berl. ent. zeitschr., 1863, vol. 7, p. 190, ♀.  
"NORD-AMERIKA." Mayr, Verh. zool. bot. ges. Wien., 1886, vol. 36, p. 450, ♀ ♀.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 312, ♂.

CONN.—Colebrook (Wheeler).

21. MYRMICA RUBRA BREVINODIS Emery.

*Myrmica rubra* L. subsp. *brevinodis* Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 312, 313, ♀. "UTAH, SALT LAKE." Wheeler, Amer. nat., 1901, vol. 35, p. 433, Fig. 1, ♀.

N. H.—Mt. Washington (Mrs. Slosson).

MASS.—New Boston (Wheeler).

CONN.—Colebrook (Wheeler).

## FORMICIDAE.

## MYRMICINAE.

22. *MYRMICA RUBRA BREVINODIS* Emery, var. *SULCINODOIDES* Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 313, ♂. "S[OUTH] DAKOTA, UTAH, UND MAINE."

ME.— (Emery); Ogunquit (Pratt).

MASS.— Essex County (King); Naushon Island (Wheeler).

23. *MYRMICA RUBRA LAEVINODIS* Nyl. var. *BRUESI* Wheeler.

Wheeler, Psyche, 1906, vol. 13, p. 38, ♀ ♀ ♂. "WOODS HOLE, MASS."

MASS.— Woods Hole (Brues, Wheeler).

24. *MYRMICA RUBRA SCABRINODIS* Nyl. var. *FRACTICORNIS* Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 313, 314, ♂. "CONNECTICUT \* \* \* BUFFALO, N. YORK."

CONN.— (Pergande, Emery); Colebrook (Wheeler).

25. *MYRMICA RUBRA SCABRINODIS* Nyl. var. *SABULETI* (Meinert).

*Myrmica sabuleti* Meinert, Vidensk. selsk. skr., 1861, ser. 5, vol. 5, p. 327, 328, ♀ ♀, "BUURKRAT VED NORRE-VOSBORG."

*Myrmica rubra* subsp. *scabrinodis* var. *sabuleti* Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 314, ♀ ♀ ♂.

ME.— Mt. Desert (Hagen).

MASS.— Essex County (King); Wellesley (Morse); Cambridge (Mus. Comp. Zoöl.).

CONN.— Branford (Viereck); New Haven (Britton); West Haven (Viereck); Colebrook (Wheeler).

26. *MYRMICA RUBRA SCABRINODIS* Nyl. var. *SCHENCKI* Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 315, 316, ♀ ♀ ♂. "MAINE. UND N[EW] JERSEY."

## FORMICIDAE.

## MYRMICINAE.

*Myrmica lobicornis* Förster, Hymenopt. studien 1850, p. 69,  
♂ ♀.

*Myrmica lobicornis* Schenck, Jahrb. vr. naturk. Nassau, 1852,  
vol. 8, p. 82-84, ♀ ♀ ♂.

*Myrmica lobicornis* Mayr, Verh. zool. bot. ges. Wien, 1855, vol.  
5, p. 412-413.

ME.— (Emery.)

N. H.— (Emery); Mt. Washington (Mrs. Slosson).

MASS.— Essex County (King); New Boston (Wheeler).

R. I.— Providence (Davis).

CONN.— Stafford (Britton); Colebrook (Wheeler).

## 27. MYRMICA RUBRA SCABRINODIS Nyl. var. DETRITINODIS Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 316, ♀, "KITTELY  
POINT, MARYLAND."

Vt.— Jay Peak, summit, 4018 ft. (Morse).

## 28. LEPTOTHORAX ACERVORUM CANADENSIS (Provancher).

*Leptothorax canadensis* Provancher, Add. Faun. Canad. Hymén.,  
1887, p. 245, ♀ ♀ ♂. "CANADA."

*Leptothorax canadensis* Emery, Zool. jahrb. Syst., 1894, vol. 8,  
p. 317, 318, 319.

*Leptothorax acervorum* subsp. *canadensis* Wheeler, Proc. acad.  
nat. sci. Phila., 1903, p. 225-227, ♀ ♀.

N. H.— Mt. Washington and Franconia (Mrs. Slosson).

Vt.— (Davis); Jay Peak, summit, 4018 ft. (Morse).

CONN.— Colebrook (Wheeler).

## 29. LEPTOTHORAX EMERSONI Wheeler.

Wheeler, Amer. nat., 1901, vol. 35, p. 433-436, fig. 2-3, ♀ ♀ ♂.  
"COLEBROOK, CONN." Wheeler, Proc. acad. nat. sci. Phila., 1903,  
p. 230-232, ♀ ♀ ♂.

MASS.— New Boston (Wheeler).

CONN.— Colebrook (Wheeler).

## FORMICIDAE.

## MYMICINAE.

## 30. LEPTOTHORAX LONGISPINOSUS Roger.

Roger, Berl. ent. zeitschr., 1863, vol. 7, p. 180, ♀. "AMERICA."  
Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 318, 321, ♀ ♀.

Wheeler, Proc. acad. nat. sci. Phila., 1903, p. 236-239, ♀ ♀ ♂.

MASS.— Cambridge (Mus. Comp. Zoöl.).

CONN.— Colebrook (Wheeler).

## 31. LEPTOTHORAX CURVISPINOSUS Mayr.

Mayr, Sitzber. k. k. akad. wiss. Wien, 1866, vol. 53, p. 508, ♀.  
"NORD-AMERIKA." Emery, Zool. jahrb. Syst., 1894, vol. 8, p.  
317, 320. Wheeler, Proc. acad. nat. sci. Phila., 1903, p. 239-241,  
♀ ♀.

MASS.— Cambridge (Mus. Comp. Zoöl.).

CONN.— Branford and Rockville (Viereck).

## 32. LEPTOTHORAX CURVISPINOSUS AMBIGUUS Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 317, 320, ♀. "HILL  
CITY, S[OUTH] DAKOTA \* \* \* CLEVELAND, OHIO \* \* \* N[EW]  
YORK." Wheeler, Proc. acad. nat. sci. Phila., 1903, p. 241, ♀.

CONN.— West Haven (Viereck); Stafford (Britton); Colebrook  
(Wheeler).

## 33. TETRAMORIUM CAESPITUM (Linné) Mayr.

Mayr, Verh. zool. bot. ges. Wien, 1855, vol. 5, p. 426-429, ♀  
♀ ♂.

Ed. André, Spec. Hymén. Eur., 1883, vol. 2, p. 285, 288, 290, No.  
1, ♀ ♀ ♂.

*Formica caespitum* Linné, Syst. nat. ed. 10, 1758, vol. 1, p. 581,  
♀. "EUROPAE."

MASS.— Springfield (Dimmock).

## 34. STRUMIGENYS PERGANDEI Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 264, t. 8, fig. 4, ♀.

## FORMICIDAE

## MYRMICINAE.

"AUS PENNSYLVANIEN UND D[ISTRICT OF] COLUMBIA." Forel,  
Ann. soc. ent. Belg., 1901, vol. 45, p. 339.

MASS.— Boston (Forel).

## DOLICHODERINAE.

## 35. DOLICHODERUS MARIAE Forel.

Forel, Bull. soc. vaud. sci. nat., 1885, vol. 20, p. 349, 350, ♀.  
"VINELAND, [N. J.]" Wheeler, Bull. Amer. mus. nat. hist., 1905,  
vol. 21, p. 306-308, fig. A, ♀ ♀ ♂.

CONN.— (Emery).

## 36. DOLICHODERUS TASCHENBERGI Mayr. var. GAGATES Wheeler.

Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 310, ♀.  
"LAKEHURST, NEW JERSEY."

N. H.— Mt. Washington, summit (Mrs. Slosson).

MASS.— Magnolia (Deane).

## 37. DOLICHODERUS PLAGIATUS (Mayr).

Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 436, ♀.  
Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 310-312,  
fig. C, ♀ ♀ ♂.

*Hypoclinea plagiata* Mayr, Verh. zool. bot. ges. Wien., 1870,  
vol. 20, p. 960, ♀. "ILLINOIS."

MASS.— Cambridge and Waverley (Mus. Comp. Zoöl.).

R. I.— Newport (Leidy).

CONN.— Rockville (Viereck); Colebrook (Wheeler).

## 38. TAPINOMA SESSILE (Say) Emery.

Emery, Zool. jahrb. Syst., 1894, vol. 8, p. 332, 333, ♀ ♀ ♂.

*Formica sessilis* Say, Bost. journ. nat. hist., 1836, vol. 1, p. 287,  
288, ♀ ♀. "INDIANA."

## FORMICIDAE.

## DOLICHODERINAE.

N. H.— Franconia (Mrs. Slosson).

MASS.— Weston, Andover and Winchendon (Morse); Essex Co. (King); Woods Hole (Wheeler).

R. I.— Providence (Davis).

CONN.— Branford, New Haven, Stony Creek and Double Beach (Viereck); Orange (Britton); Colebrook (Wheeler).

## CAMPONOTINAE.

## 39. BRACHYMYRMEX HEERI DEPILIS Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 635, ♀. “D[ISTRICT OF] COLUMBIA, DAKOTA, N[EW] JERSEY, UND VIRGINIA.”

MASS.— Springfield (Dimmock); Essex County (King).

CONN.— Colebrook (Wheeler).

## 40. PRENOLEPIS IMPARIS (Say) Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 635, 636, ♀ ♀ ♂.

*Formica imparis* Say, Bost. journ. nat. hist., 1836, vol. 1, p. 287, ♀ ♂. “INDIANA.”

MASS.— Milton (Morse); Essex County and Springfield (King); Warwick (Miss Edmonds).

CONN.— New Haven and Yalesville (Viereck); Branford (Winkley); New Haven (Britton).

## 41. PRENOLEPIS IMPARIS Say var. MINUTA Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 636, ♀ ♂. “D[ISTRICT OF] COLUMBIA.”

CONN.— New Haven and Yalesville (Viereck).

## 42. PRENOLEPIS PARVULA Mayr.

Mayr, Verh. zool. bot. ges. Wien, 1870, vol. 20, p. 948–949,



## FORMICIDAE.

## CAMPONOTINAE.

♂ ♀ ♂. "NEW-YORK." Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 636.

MASS.— (King).

43. *LASIUS NIGER* L. var. *NEONIGER* Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 639, ♀. [NORTHERN STATES.] Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 396.

ME.— Norway (S. I. Smith); Bethel (Mus. Comp. Zoöl.).

N. H.— Canobie Lake (King).

MASS.— West Springfield (King); Ipswich (Emerton); Cambridge (Mus. Comp. Zoöl.); Needham, Amherst, Wellesley, South Natick, and Sherborn (Morse); Medford (Mus. Comp. Zoöl.); Warwick (Miss Edmonds).

CONN.— New Hartford and Stafford (Britton); Colebrook, Winsted and Norfolk (Wheeler).

44. *LASIUS NIGER* L. var. *AMERICANUS* Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 639, ♀. "ÖSTLICHE UND CENTRALE STAATEN." Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 393-396.

ME.— Bridgeport (Miss Edmonds).

N. H.— Canobie Lake (King); Franconia and Mt. Washington (Mrs. Slosson).

MASS.— Mt. Tom and Springfield (King); Boston (Bost. Soc. Nat. Hist. and Amer. Mus. Nat. Hist.); Wellesley, Sherborn and Dover (Morse); Brookline (Miss Abbott); Cambridge, Chelsea Beach and Cambridgeport (Mus. Comp. Zoöl.); Woods Hole and New Boston (Wheeler).

R. I.— Providence (Davis).

CONN.— Branford, West Haven and New Haven (Viereck); New Haven (Britton and Walden); Colebrook, Winsted and Norfolk (Wheeler).

## FORMICIDAE.

## CAMPONOTINAE.

45. *LASIUS BREVICORNIS* Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 639, 640, taf. 22, fig. 22, ♀ ♀ ♂. "D[ISTRICT OF] COLUMBIA, N[EW] JERSEY, DAKOTA, VIRGINIA, FLORIDA." Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 396.

MASS.—Andover (Morse); New Boston and Woods Hole (Wheeler).

CONN.—Branford (Winkley); Colebrook, Winsted and Norfolk (Wheeler).

46. *LASIUS FLAVUS* L. var. *NEARCTICUS* Wheeler.

Psyche, 1906, vol. 13, p. 38, ♀ ♀ ♂. "ILLINOIS, MASSACHUSETTS, CONNECTICUT, NEW YORK AND NEW JERSEY."

*Lasius flavus* Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 640, ♀ ♀.

*Lasius flavus* subsp. *myops* Emery, *ibid.*, 1894, vol. 8, p. 334.

*Lasius myops* Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 397.

N. H.—Canobie Lake and West Ossipie (King).

MASS.—Andover (Morse); Mt. Tom (King); Woods Hole (Miss Fielde).

CONN.—(Mayr); Colebrook (Wheeler).

47. *LASIUS UMBRATUS MIXTUS* Nyl. var. *APHIDICOLA* (Walsh).

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 640, 641, ♀ ♀ ♂.

*Formica aphidicola* Walsh, Proc. ent. soc. Phila., 1862, vol. 1, p. 310, ♀ ♀ ♂. "NEAR ROCK ISLAND, ILLINOIS."

ME.—(Emery); Elms (Deane).

N. H.—Mt. Washington (Mrs. Slosson).

MASS.—Essex County (King); Medford (Mus. Comp. Zoöl.).

CONN.—Westport (Britton); Colebrook (Wheeler).

48. *LASIUS UMBRATUS MINUTUS* Emery.

*Lasius umbratus* var. *bicornis* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 430. "NEW JERSEY, VIRGINIA."

## FORMICIDAE.

## CAMPONOTINAE.

*Lasius umbratus* subsp. *minutus* Emery, zool. Syst., 1893, vol. 7, p. 641, ♀ ♀ ♂.

ME.—(Emery.)

MASS.—Medford (Dall).

49. *LASIVS* (*ACANTHOMYOPS*) *INTERJECTUS* Mayr.

Mayr, Verh. zool. bot. ges. Wien, 1866, vol. 16, p. 888, taf. 20, fig. 3, ♀. "NEW-JERSEY." Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 642. Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 397-398.

MASS.—Wellesley (Morse); Boston (Amer. Mus. Nat. Hist.); New Boston (Wheeler).

CONN.—(Mayr); Colebrook (Wheeler).

50. *LASIVS* (*ACANTHOMYOPS*) *CLAVIGER* (Roger).

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 642.

*Formica clavigera* Roger, Berl. ent. zeitschr., 1862, vol. 6, p. 241, 242, taf. 1, fig. 13, ♀. "PENNSYLVANIEN."

*Lasius claviger* Mayr, Verh. zool. bot. ges. Wien, 1870, vol. 20, p. 950, ♀ ♀ ♂.

N. H.—Canobie Lake (King).

MASS.—Mt. Tom and Springfield (King); Wellesley, Weston, Andover, Needham, and South Natick (Morse).

R. I.—Providence (Davis).

CONN.—(Mayr); Colebrook (Wheeler).

51. *LASIVS* (*ACANTHOMYOPS*) *latipes* (Walsh) Emery.

Emery, Zool. jahrb. 1893, vol. 7, p. 638, 642. ♀ ♀.

*Formica latipes* Walsh, Proc. ent. soc. Phila., 1862, vol. 1, p. 311, ♀ ♀ ♂. "NEAR ROCK ISLAND, ILLINOIS."

*Lasius latipes* Wheeler and McClendon, Biol. bull., 1903, vol. 4, p. 149-163, 3 Figs.

## FORMICIDAE.

## CAMPONOTINAE.

MASS.— Weston, Andover and Needham (Morse); Woods Hole (Miss Fielde, Wheeler); Hyannisport (Zabriskie).

CONN.— Colebrook (Wheeler).

## 52. FORMICA PERGANDEI Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 646, 647. taf. 22, fig. 1, ♂. "WASHINGTON D. C." Wheeler, Amer. nat., 1901, vol. 35, p. 722.

MASS.— (Jack).

## 53. FORMICA SANGUINEA ASERVA Forel.

Forel, Ann. soc. ent. Belg., 1901, vol. 45, p. 395, 396, ♂ ♀.  
"TORONTO, EN CANADA."

N. H.— Franconia (Mrs. Slosson); Mt. Washington (Bacon, Bost. Soc. Nat. Hist. and Mrs. Slosson).

CONN.— Colebrook (Wheeler).

## 54. FORMICA SANGUINEA RUBICUNDA Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 647, 648, taf. 22, fig. 2, ♂ ♀. "LABRADOR \* \* \* PENNSYLVANIEN." Wheeler, Amer. nat., 1901, vol. 35, p. 711, 712.

N. H.— Canobie Lake (King).

MASS.— Essex County, Springfield and Holyoke (King); Woods Hole (Wheeler).

CONN.— New Haven (Walden); Colebrook (Wheeler).

## 55. FORMICA SANGUINEA RUBICUNDA Emery var. SUBINTEGRA Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 648, taf. 22, fig. 3, ♂.  
"DISTRICT [OF] COLUMBIA." Wheeler, Amer. nat., 1901, vol. 35, p. 713.

## FORMICIDAE.

## CAMPONOTINAE.

MASS.—Sherborn (Morse); Springfield (Allen); Cambridge (Mus. Comp. Zoöl.); Essex County (King).

CONN.—New Haven (Viereck); Colebrook (Wheeler).

## 56. FORMICA RUFA OBSCURIVENTRIS (Mayr).

*Formica truncicola* var. *obscuriventris* Mayr, Verh. zool. bot. ges. Wien, 1870, vol. 20, p. 951, ♀. "CONNECTICUT."

*Formica rufa* subsp. *obscuriventris* Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 649.

MASS.—Wellesley (Morse).

CONN.—(Mayr.)

## 57. FORMICA RUFA INTEGRAL (Nylander).

*Formica integra* Nylander, Ann. sci. nat. Zool., 1856, ser. 4, vol. 5, p. 62 nota, ♀. "AMÉRIQUE DU NORD."

*Formica integra* var. *similis* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 425, ♀ ♀ ♂. "NEW-JERSEY UND CALIFORNIEN."

*Formica rufa* subsp. *integral* Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 652, taf. 22, fig. 4, 8, ♀ ♀ ♂.

N. H.—Canobie Lake (King); Hampton (Mus. Comp. Zoöl.).

MASS.—Essex County and Springfield (King); Winchendon (Morse); Medford (Mus. Comp. Zoöl.).

R. I.—Providence and Kingston (Davis).

CONN.—(Mayr); Colebrook and Norfolk (Wheeler).

## 58. FORMICA DIFFICILIS Emery var. CONSOCIANS Wheeler.

Wheeler, Bull. Amer. mus. nat. hist., 1904, vol. 20, p. 371-373, ♀ ♀ ♂. "COLEBROOK, LITCHFIELD COUNTY, CONNECTICUT."

MASS.—Sherborn (Morse).

CONN.—North Windham (Morse); Colebrook (Wheeler).

## FORMICIDAE.

## CAMPONOTINÆ.

## 59. FORMICA NEPTICULA Wheeler.

Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 270-272,  
 ♀ ♀ ♂. "COLEBROOK, LITCHFIELD COUNTY, CONN."

CONN.—Colebrook (Wheeler).

## 60. FORMICA IMPEXA Wheeler.

Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 273-274,  
 ♀. "PORCUPINE MOUNTAINS IN NORTHERN MICHIGAN."

Wheeler, Psyche, 1906, vol. 13, p. 40, ♀.

MASS.—Sherborn (Morse).

## 61. FORMICA DRYAS Wheeler var. GYMNOMMA Wheeler.

Wheeler, Bull. Amer. mus. nat. hist., 1905, vol. 21, p. 269-270,  
 ♀. "COLD SPRING HARBOR, LONG ISLAND, N. Y., AND \* \* \*  
 NEAR ROCKFORD, ILL."

MASS.—Cambridge (Mus. Comp. Zool.).

CONN.—Colebrook (Wheeler).

## 62. FORMICA EXSECTOIDES Forel.

Forel, Ann. soc. ent. Belg., 1886, vol. 30, C. R. p. xxxviii, xxxix,  
 ♀ ♀. "N[EW] HAMPSHIRE \* \* \* CONNECTICUT \* \* \* ALLE-  
 GHANYS." Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 653, taf.  
 22, fig. 6.

*Formica integra* Nyl. Mayr, Verh. zool. bot. ges. Wien, 1862,  
 vol. 12, p. 701, 702.

ME.—Ogunquit (Pratt).

N. H.—(Forel); Canobie Lake (King); Franconia (Mrs.  
 Slosson).

MASS.—Sherborn and Wellesley (Morse); Essex County and  
 Mt. Tom (King); Lowell (Blanchard); Woods Hole (Wheeler);  
 Lake Pleasant (Carey); Warwick (Miss Edmonds).

CONN.—(Mayr); Branford, North Haven and New Haven

## FORMICIDAE.

## CAMPONOTINAE.

(Viereck); New Hartford and Stafford (Britton); Cromwell and Hartford (Forel); Colebrook (Wheeler).

## 63. FORMICA PALLIDE-FULVA SCHAUFUSSI (Mayr).

Wheeler, Bull. Amer. mus. nat. hist., 1904, vol. 20, p. 370.

*Formica schaufussi* Mayr, Sitzber. k. akad. wiss. Wien, 1866, vol. 53, p. 493-494, taf. fig. 6, ♀. "NORDAMERIKA."

*Formica pallide-fulva* Latr. subsp. *schaufussi* Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 654, 655.

ME.—Ogunquit (Pratt).

MASS.—Andover, South Natick and Sherborn (Morse); Boston (Amer. Mus. Nat. Hist.); Mt. Tom (King); Woods Hole (Wheeler).

R. I.—Providence (Davis).

CONN.—(Mayr and Emery); New Haven (Britton, Butrick and Viereck); Salisbury and Stafford (Britton); Winsted, Norfolk and Colebrook (Wheeler).

## 64. FORMICA PALLIDE-FULVA SCHAUFUSSI Mayr. var. INCERTA Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 655, 656, ♀ ♀ ♂. "D[ISTRICT OF] COLUMBIA, UND VIRGINIA." Wheeler, Bull. Amer. mus. nat. hist., 1904, vol. 20, p. 370.

MASS.—Wellesley and Sherborn (Morse).

CONN.—Branford (Winkley); Rockville (Viereck); Winsted, Norfolk and Colebrook (Wheeler).

## 65. FORMICA PALLIDE-FULVA NITIDIVENTRIS Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 656, ♀ ♀ ♂. Wheeler, Bull. Amer. mus. nat. hist., 1904, vol. 20, p. 370.

*Formica schaufussi* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 427-428, ♀ ♂. "MASSACHUSETTS, CONNECTICUT, NEW-YORK, NEW-JERSEY, D. COLUMBIA, VIRGINIA, COLORADO, CALIFORNIA, NEU-MEXICO."

MASS.—Wellesley (Morse); Essex County (King); Boston

## FORMICIDAE.

## CAMPONOTINAE.

(Amer. Mus. Nat. Hist.); Arlington (Mus. Comp. Zoöl.); Woods Hole (Wheeler).

CONN.—New Haven (Butrick); Salisbury, New Haven and Orange (Britton); Colebrook (Wheeler).

66. *FORMICA PALLIDE-FULVA NITIDIVENTRIS* Emery var. *FUSCATA* Emery.

Wheeler, Bull. Amer. mus. nat. hist., 1904, vol. 20, p. 370.

*Formica pallide-fulva* Latr. subsp. *fuscata* Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 656, ♀. "BEATTY, (PENNSYLVANIEN)."

MASS.—Essex County (King); South Natick (Morse).

67. *FORMICA MORSEI* Wheeler.

Wheeler, Psyche, 1906, vol. 13, p. 39, pl. 4, ♀. "SOUTH NATICK, MASSACHUSETTS."

MASS.—South Natick (Morse).

68. *FORMICA FUSCA* Linné var. *SUBSERICEA* (Say) Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 659, ♀ ♀ ♂.

*Formica subsericea* Say, Boston journ. nat. hist., 1836, vol. 1, p. 289, 290, ♀ ♂. "INDIANA."

*Formica fusca* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 426, 427.

N. H.—Holderness (Morse); Canobie Lake and West Ossipie (King).

MASS.—Sherborn, Wellesley and Andover (Morse); Essex County, Mt. Tom and Springfield (King); Springfield (Allen); Arlington and Cambridge (Mus. Comp. Zoöl.); Readville (Amer. Mus. Nat. Hist.); Medford (Dall); Woods Hole (Miss Fielde, Wheeler).

R. I.—Providence (Davis).

CONN.—Suffield (Dimmock); Branford, Cheshire, Mt. Carmel and New Haven (Viereck); New Haven and Salisbury (Britton);



## FORMICIDAE.

## CAMPONOTINAE.

Cromwell and Hartford (Forel); Winsted, Norfolk and Colebrook (Wheeler).

69. *FORMICA FUSCA* Linné var. *ARGENTATA* Wheeler.

Wheeler, Amer. nat., 1902, vol. 36, p. 952, *note*. ♀. "ROCKFORD, ILLINOIS."

MASS.—Woods Hole (Miss Fielde).

70. *FORMICA FUSCA* Linné var. *SUBAENESCENS* Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 659, 660, ♀. "S[OUTH] DAKOTA UND CONNECTICUT."

ME.—Norway (S. J. Smith); Bethel (Mus. Comp. Zoöl.).

N. H.—Franconia (Mrs. Slosson).

VT.—Wolcott (Morse); Lyndon (Melander).

MASS.—Sherborn (Morse); Essex County (King).

CONN.—(Emery); Colebrook (Wheeler).

71. *FORMICA FUSCA* Linné var. *NEOCLARA* Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 661, ♀. "COLORADO."

MASS.—Essex County (King).

72. *FORMICA FUSCA SUBPOLITA* (Mayr).

*Formica fusca* var. *subpolita* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 426, 427, ♀ ♀. "CONNECTICUT, COLORADO UND CALIFORNIEN."

*Formica fusca* subsp. *subpolita* Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 661, ♀ ♀.

MASS.—Lynn (Davis).

CONN.—(Mayr.)

## FORMICIDAE.

## CAMPONOTINAE.

## 73. FORMICA FUSCA SUBPOLITA Mayr. var. NEOGAGATES Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 661, 662, ♀ ♀ ♂.  
 "PENNSYLVANIEN, N[EW] YORK, DAKOTA, UTAH, LOUISIANA,  
 MARYLAND."

MASS.—Essex County (King).

CONN.—Kent and Salisbury (Britton); Norfolk and Colebrook  
 (Wheeler).

## 74. FORMICA FUSCA SUBPOLITA Mayr. var. PICEA (Emery).

*Formica lasioides* Emery var. *picea* Emery, Zool. jahrb. Syst.,  
 1894, vol. 8, p. 335, ♀. "HILL CITY, S[OUTH] DAKOTA."

VT.—Lyndon (Melander).

MASS.—Wellesley (Morse); Essex County (King); Woods  
 Hole (Miss Fielde).

CONN.—Colebrook (Wheeler).

NOTE.—The worker of this form differs from that of the pre-  
 ceding variety merely in having erect hairs on the antennal scapes.

## 75. POLYERGUS RUFESCENS LUCIDUS (Mayr).

*Polyergus lucidus* Mayr, Verh. zool. bot. ges. Wien, 1870, vol. 20,  
 p. 952-953, ♀ ♀ ♂. "CONNECTICUT."

*Polyergus lucidus* McCook, Proc. acad. nat. sci. Phila., 1880, p.  
 376-384, pl. 19.

*Polyergus rufescens* st. *lucidus* Forel, Ann. soc. ent. Belg., 1886,  
 vol. 30, p. 200-201.

*Polyergus rufescens* subsp. *lucidus* Emery, Zool. jahrb. Syst.,  
 1893, vol. 7, p. 666.

*Polyergus rufescens* subsp. *lucidus* Wheeler, Amer. nat., 1901,  
 vol. 35, p. 713, 714.

MASS.—(King.)

CONN.—(Mayr.)

## FORMICIDAE.

## CAMPONOTINAE.

## 76. CAMPONOTUS CASTANEUS (Latreille) Mayr.

*Formica castanea* Latreille, Hist. nat. des Fourmis, 1802, p. 118, tab. 3, fig. 11, 12, ♀ ♀ ♂. "CAROLINE ET PENNSYLVANIE."

*Formica mellea* Say, Bost. journ. nat. hist., 1836, vol. 1, p. 286, ♂.

*Camponotus castaneus* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 420-422.

MASS.—(King); Cambridge (Mus. Comp. Zoöl.).

CONN.—(Mayr and Coe); Westville (Britton).

## 77. CAMPONOTUS CASTANEUS AMERICANUS (Mayr).

*Camponotus americanus* Mayr, Verh. zool. bot. ges. Wien, 1862, vol. 12, p. 661, 662, ♀ ♀. "NEU-ORLEANS."

*Camponotus castaneus* subsp. *americanus* Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 674.

MASS.—Weston, Natick, and Middlesex Fells (Morse); Middlesex Fells (Fielde); Essex County and Mt. Tom (King); Sutton (Bost. Soc. Nat. Hist.); Andover (Morse and King); Medford (Dall).

## 78. CAMPONOTUS HERCULEANUS (Linné).

*Formica herculeana* Linné, Syst. nat., ed. 10, 1758, vol. 1, 579-580. "EUROPAE \* \* \* AMERICA SEPTENTRIONALIS."

*Camponotus herculeanus* Forel, Denkschr. Schweiz. Ges. Naturw., 1874, vol. 26, p. 39, 41, 42 and 213. ♀ ♀ ♂.

*Camponotus herculeanus* Mayr, Verh. zool. bot. ges. Wien, 1886, vol. 36, p. 419-420.

VT.—Jay Peak, summit, 4018 ft. (Morse).

## 79. CAMPONOTUS HERCULEANUS PENNSYLVANICUS (DeGeer).

*Formica pennsylvanica* DeGeer, Mém. serv. hist. insect, 1773, vol. 3, p. 603, taf. 31, fig. 9-10, ♀ ♀ ♂. "PENNSYLVANIE."

## FORMICIDAE.

## CAMPONOTINAE.

*Camponotus pennsylvanicus* Mayr, Verh. zool. bot. ges. Wien, 1862, vol. 12, p. 666, 667, ♂ ♀.

*Camponotus herculeanus* st. *pennsylvanicus* Forel, Bull. soc. vaud. sci. nat., 1879, ser. 2, vol. 16, p. 56-58.

ME.—Mt. Katahdin (Hamlin); Bethel (Mus. Comp. Zoöl.).

N. H.—Canobie Lake (King); Exter (Mus. Comp. Zoöl.).

VT.—Jay Peak (Morse).

MASS.—Sherborn, Natick, Winchendon, Palmer, Needham, Wellesley and West Roxbury (Morse); Worcester, Haverill, Cambridge and Brookline (Mus. Comp. Zoöl.); Boston and Blue Hills (Am. Mus. Nat. Hist.); Springfield and Essex County (King); Milton (Bost. Soc. Nat. Hist.); Warwick (Miss Edmonds); Woods Hole (Miss Fielde and Wheeler).

CONN.—(Mayr); Woodmont (Butrick); New Haven and Branford (Viereck); Colébrook (Wheeler).

80. CAMPONOTUS HERCULEANUS PENNSYLVANICUS DeGeer var. FERRUGINEUS (Fabricius).

*Formica ferruginea* Fabricius, Suppl. ent. syst. 1798, p. 279, ♂.  
"AMERICA."

*Camponotus ferrugineus* Mayr, Verh. zool. bot. ges. Wien, 1863, vol. 13, p. 399.

*Camponotus herculeanus* r. *pennsylvanicus* var. *ferrugineus* Forel, Bull. soc. vaud. sc. nat., 1879, ser. 2, vol. 16, p. 56-58.

MASS.—Sherborn (Morse); Medford (Mus. Comp. Zoöl.).

CONN.—New Haven (Moore & Viereck); Orange and New Canaan (Britton).

81. CAMPONOTUS HERCULEANUS LIGNIPERDUS Latreille var. NOVAEBORACENSIS (Fitch).

*Formica novaeboracensis* Fitch, Trans. New York state agr. soc., 1855, vol. 14, p. 766-767, ♂. "NEW YORK."

## FORMICIDAE.

## CAMPONOTINAE.

*Camponotus herculeanus* r. *ligniperdus* var. *pictus* Forel, Bull. soc. Vaud. sc. nat., 1879, vol. 16, p. 56, 59, ♀ ♀ ♂.

*Camponotus herculeanus* subsp. *ligniperdus* var. *pictus* Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 674.

ME.— West Beach (Mus. Comp. Zoöl.).

N. H.— Mt. Washington (Mrs. Slosson and Bacon); Canobie Lake (King); Exeter (Mus. Comp. Zoöl.).

VT.— Jay (Morse).

MASS.— Winchendon, Wellesley, Needham and Sherborn (Morse); Malden, Warwick, Cambridge and Medford (Mus. Comp. Zoöl.); Essex County and Mt. Tom (King); Eastport (Mus. Comp. Zoöl.); Lynn (Davis); Woods Hole (Wheeler).

R. I.— Providence (Davis).

CONN.— New Hartford and Orange (Britton); Colebrook (Wheeler).

82. CAMPONOTUS HERCULEANUS LIGNIPERDUS Latreille var. RUBENS Wheeler.

Wheeler, Psyche, 1906, vol. 13, p. 41, ♀ ♂. "NORWAY, \* \* \* BETHEL, MAINE \* \* \* MICHIGAN."

ME.— Norway (S. I. Smith); Bethel (Edwards).

83. CAMPONOTUS MARGINATUS Latr. var. NEARCTICUS Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 675, ♀ ♂. "N[EW YORK], D[ISTRICT OF] COLUMBIA, PENNSYLVANIA, FLORIDA UND CALIFORNIEN."

MASS.— Nahant (Möring); Cambridge (Jack); Essex County and Springfield (King); Warwick (Miss Edmonds).

R. I.— Providence (Davis).

CONN.— (Mayr); Colebrook (Wheeler).

84. CAMPONOTUS MARGINATUS Latreille var. MINUTUS Emery.

Emery, Zool. jahrb. Syst., 1893, vol. 7, p. 676, ♀ ♀. "D[ISTRICT OF] COLUMBIA, MARYLAND, MISSOURI, N[EW] JERSEY."

MASS.— (King)