

A CHECKLIST OF THE ANTS (HYMENOPTERA: FORMICIDAE) OF THE GREAT SMOKY MOUNTAINS NATIONAL PARK, TENNESSEE¹

A. C. COLE

The University of Tennessee, Knoxville, Tennessee

Additional collections and taxonomic studies of ants of the Great Smoky Mountains National Park, Tennessee, during the last decade have necessitated a number of changes in the list of ants in the writer's earlier paper (Cole, 1940). Several species may now be added to the list. On the other hand, studies of various myrmecologists have established some new synonymy and changes in generic status of some species.

The list which follows is based upon the terminology of Creighton (1950) and Brown (1948, 1949) and presents a total of 79 species and subspecies.

PONERINAE

<i>Amblyopone (Stigmatomma) pallipes</i> (Haldeman)	<i>Ponera trigona opacior</i> Forel
<i>Euponera gilva</i> (Roger)	<i>Proceratium croceum</i> (Roger)
<i>Ponera coarctata pennsylvanica</i> Buckley	<i>Proceratium silaceum</i> Roger

DORYLINAE

<i>Ecton carolinensis</i> Emery	<i>Ecton nigrescens</i> (Cresson)
---------------------------------	-----------------------------------

MYRMICINAE

<i>Aphaenogaster fulva</i> Roger	<i>Myrmecina americana</i> Emery
<i>Aphaenogaster lamellidens</i> Mayr	<i>Phiedole bicarinata</i> vinelandica Forel
<i>Aphaenogaster rudis</i> Emery	<i>Phiedole crassicornis</i> Emery
<i>Aphaenogaster rudis picea</i> Emery	<i>Phiedole dentata</i> Mayr
<i>Aphaenogaster tennesseensis</i> (Mayr)	<i>Phiedole dentigula</i> M. R. Smith
<i>Aphaenogaster texana</i> Emery	<i>Phiedole morrisi</i> Forel
<i>Aphaenogaster texana carolinensis</i> Wheeler	<i>Phiedole tysoni</i> Forel
<i>Aphaenogaster treatae</i> Forel	<i>Smithistruma glypeata</i> Roger
<i>Crematogaster ashmeadi</i> Mayr	<i>Smithistruma creightoni</i> M. R. Smith
<i>Crematogaster lineolata</i> (Say)	<i>Smithistruma ohioensis</i> Kennedy and Schramm
<i>Crematogaster minutissima missouriensis</i> Emery	<i>Smithistruma ornata</i> Mayr
<i>Leptothorax curvispinosus</i> Mayr	<i>Smithistruma pulchella</i> Emery
<i>Leptothorax longispinosus</i> Roger	<i>Smithistruma reflexa</i> Wesson and Wesson
<i>Leptothorax pergandei</i> Emery	<i>Smithistruma rostrata</i> Emery
<i>Leptothorax schaumi</i> Roger	<i>Smithistruma talpa</i> Weber
<i>Leptothorax wheeleri</i> M. R. Smith	<i>Solenopsis molesta</i> (Say)
<i>Monomorium minimum</i> (Buckley)	<i>Stenamma impressum</i> Emery
<i>Myrmica lobicornis fracticornis</i> Emery	<i>Trachymyrmex septentrionalis</i>
<i>Myrmica punctiventris</i> Roger	<i>seminole</i> (Wheeler)

¹Contribution No. 64, Department of Zoology and Entomology, The University of Tennessee.

DOLICHODERINAE

- Dolichoderus mariae Forel
Dolichoderus plagiatus Mayr
Dolichoderus taschenbergi (Mayr)
Dorymyrmex pyramicus Roger
- Iridomyrmex pruinosum Roger
Iridomyrmex pruinosum Analis
(André)
Tapinoma sessile (Say)

FORMICINAE

- Acanthomyops claviger (Roger)
Acanthomyops interjectus (Mayr)
Acanthomyops subglaber (Emery)
Brachymyrmex depilis Emery
Camponotus americanus Mayr
Camponotus castaneus (Latreille)
Camponotus nearcticus Emery
Camponotus pennsylvanicus (De Geer)
Camponotus pennsylvanicus ferruginea (Fabricius)
Formica difficilis Emery
Formica exsectoides Forel
Formica fusca Linnaeus
- Formica pallidefulva Latreille
Formica pallidefulva nitidiventris
Emery
Formica rubicunda Emery
Formica schaufussi Mayr
Formica schaufussi dolosa Wheeler
Formica subintegra Emery
Lasius alienus americanus Emery
Lasius brevicornis Emery
Lasius flavus nearcticus Wheeler
Lasius niger neoniger Emery
Lasius speculiventris Emery
Lasius umbratus aphidicola (Walsh)
Paratrechina parvula (Mayr)

Prenolepis imparis (Say)

LITERATURE CITED

- Brown, W. L. 1948. A preliminary generic revision of the higher Dacetini (Hymenoptera: Formicidae). *Trans. Amer. Ent. Soc.*, 74:104-105.
- Brown, W. L. 1949. A new American Amblyopone, with notes on the genus (Hymenoptera: Formicidae). *Psyche*, 56:81-88.
- Cole, A. C. 1940. A guide to the ants of the Great Smoky Mountains National Park, Tennessee. *Amer. Midl. Nat.*, 24:1-88.
- Creighton, W. S. 1950. The ants of North America. *Bull. Mus. Comp. Zool.*, 104:1-585.