

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

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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

Amblyopone (Stigmatomma) pallipes (Haldeman)	Ponera trigona opacior Forel
Euponera gilva (Roger)	Proceratium croceum (Roger)
Ponera coarctata pennsylvanica Buckley	Proceratium silaceum Roger
	Sysphincta pergandei Emery

DORYLINAE

Eciton carolinensis Emery	Eciton nigrescens (Cresson)
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MYRMICINAE

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

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

DOLICHODERINAE

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

FORMICINAE

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

NEWS OF TENNESSEE SCIENCE

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past two years instructor at Furman University, has been appointed an instructor in chemistry at Middle Tennessee State College.

Dr. A. J. Sharp, head of the Department of Botany at The University of Tennessee, has been awarded an honorary doctor of science degree by his alma mater, Ohio Wesleyan University "for distinguished service in botany."

Dr. Curt Stern of the Department of Zoology, University of California, gave a lecture on "The Gene and Development" to the A & I-Fisk-Meharry Sigma Xi Club on October 21, 1952.

Dr. Richard C. Starr, formerly a graduate student in Biology at Peabody College and at Vanderbilt University, Fullbright Fellow in England in 1950-51, and now a member of the Botany Department of the University of Indiana, taught the course in algology at Woods Hole during the summer of 1952.

RECENT PUBLICATIONS BY TENNESSEE AUTHORS

- Bailey, Lowell F., et al. (Univ. of Tenn.). 1952. A critical study of the cobalt chloride method of measuring transpiration. *Plant. Physiol.*, 27:563-574.
- Boyd, G. E., Q. V. Larson, and G. W. Parker (ORNL). 1951. Half-life and radiations of Tc^{100} . *Phys. Rev.*, 86:1051.
- Cook, Thomas B., Jr., and Sherwood K. Haynes (Vanderbilt U.). 1952. The measurement of the In^{110m} conversion coefficient with a scintillation spectrometer. *Phys. Rev.*, 87:190-195.
- Dennis, C. J. (MTSC). 1952. The Membracidae of Wisconsin. *Trans. Wis. Acad. Sci. Arts and Letters*, 41:129-152.

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