

Checklist of Arizona Ants

compiled by S.P. Cover and R.A. Johnson
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AMBLYOPONINAE

Amblyopone orizabana*
Amblyopone pallipes * [RAJC]

CERPACHYINAE

Acanthostichus arizonensis * [RAJC]
Acanthostichus punctiscapus [RAJC]
Cerapachys augustae * [RAJC]

DOLICHODERINAE

Dorymyrmex bicolor * [RAJC]
Dorymyrmex flavus [e.g., SPC6347]
Dorymyrmex insanus * [RAJC]
Dorymyrmex wheeleri
Dorymyrmex sp. 1 [[RAJC: RAJ#817, 911 ,1125]
Dorymyrmex sp. 2* [e.g., SPC6342]
Dorymyrmex sp. 3* [e.g., SPC6306]
Dorymyrmex n. sp. 4 [e.g., SPC6193]
Dorymyrmex n. sp. 5* [SPC3871 - social parasite]
Dorymyrmex n. sp. 6 [SPC6068 - social parasite]
Dorymyrmex n. sp. 7* [MCZ, RAJC: "johnsoni" – RAJ#3952-1 – social parasite]
Forelius maccooki * [RAJC]
Forelius sp. 1* [no hairs on scapes - red]
Forelius sp. 2?* [no hairs on scapes - gray]
Linepithema humile I [RAJC]
Liometopum apiculatum * [RAJC]
Liometopum luctuosum * [RAJC]
Tapinoma sessile * [RAJC]

ECTATOMMINAE

Typhlomyrmex sp. AZ-01*

ECITONINAE

Neivamyrmex agilis* [RAJC]
Neivamyrmex andrei* [RAJC]
Neivamyrmex fuscipennis*
Neivamyrmex harrisi * [RAJC]
Neivamyrmex graciellae [C. Schmidt/G. Snelling]
Neivamyrmex kiowapache*
Neivamyrmex leonardi *
Neivamyrmex melshaemeri
Neivamyrmex microps [RAJC]
Neivamyrmex minor* [RAJC]
Neivamyrmex ndeh
Neivamyrmex nigrescens * [RAJC]
Neivamyrmex opacithorax * [RAJC]
Neivamyrmex rugulosus * [RAJC]

Neivamyrmex swainsoni * (= fallax) [RAJC]
Neivamyrmex texanus * [RAJC]
Neivamyrmex sp. 2 [RAJC: nr. leonardi, RAJ#71]
Neivamyrmex sp. 3 [GCS#98-041]

FORMICINAE

Acropyga epedana *
Brachymyrmex "obscurior" I [RAJC]
Brachymyrmex depilis * [RAJC]
Camponotus bakeri [Navajo ant project] {?/SPC}
*Camponotus festinatus** [RAJC]
Camponotus fragilis * [RAJC]
Camponotus hyatti * [RAJC]
Camponotus laevigatus * [RAJC]
*Camponotus microps** [RAJC]
Camponotus mina [RAJC]
Camponotus modoc * [RAJC]
Camponotus ocreatus * [RAJC]
Camponotus papago [RAJC]
*Camponotus pudorosus** [RAJC]
Camponotus sansabeanus * [RAJC]
Camponotus sayi * [RAJC]
Camponotus schaefferi * [RAJC]
Camponotus trepidulus [RAJC]
Camponotus ulcerosus * [RAJC]
Camponotus vafer * [RAJC]
Camponotus vicinus * [RAJC]
Camponotus n. sp. 3 [RAJC: RAJ#644, 3425 - Blue Ridge]
Formica "argentea" [western argentea/ SPC]
Formica "lasioides" * [RAJC]
Formica "neogagates" * [RAJC]
*Formica "occulta"** [RAJC: SPC6942]
Formica "wheeleri" * [RAJC]
Formica alpina
Formica altipetens [RAJC]
Formica aserva [RAJC]
Formica canadensis [RAJC]
Formica ciliata [SPC 6846]
Formica comata [RAJC]
Formica dakotensis [RAJC]
Formica densiventris [RAJC]
Formica foreliana [RAJC]
Formica fusca "marcida" * [RAJC]
Formica gnava * [RAJC]
Formica gynocrates *
Formica moki [RAJC]
Formica neoclara
Formica neorufibarbis [RAJC]
Formica obscuripes [RAJC]
Formica obtusopilosa [RAJC: e.g., SPC6824]
Formica opaciventris [RAJC: e.g., SPC6626]
Formica oreas [RAJC]
Formica perpilosa * [RAJC]
Formica podzolica
Formica propinqua [RAJC: RAJ#498,1664]
Formica puberula [RAJC]

Formica sp. nr. reflexa [SPC]
 Formica subnitens [e.g., SPC6628,6629]
 Formica xerophila [RAJC: e.g., SPC6816,6874]
 Formica n. sp. 1 [SPC2261]
 Formica n. sp. 2 [RAJC: lasioides gr., SPC5221, RAJ#1478, 1518]
 Formica n. sp. 3 [e.g., SPC1193, 1194] *
 Formica n. sp. 4 [SPC6118, PSWard15215?]
 Lasius alienus *
 Lasius arizonicus * [RAJC]
 Lasius colei [RAJC]
 Lasius coloradensis [RAJC: e.g., SPC6600, RAJ#3194]
 Lasius crypticus
 Lasius fallax [RAJC]
 Lasius flavus * [RAJC]
 Lasius humilis * [RAJC]
 Lasius interjectus [SPC6831]
 Lasius latipes * [RAJC]
 Lasius murphyi [PSWard14967]
 Lasius niger [RAJC]
 Lasius occidentalis *
 Lasius pallitarsis * [RAJC]
 Lasius sitiens * [RAJC]
 Lasius subumbratus * [RAJC]
 Lasius umbratus [RAJC]
 Lasius n. sp. 1 [RAJC: nr. fallax, SPC946, RAJ#244, 309] *
 Lasius sp from Mallory Canyon on trip with Stef and Lloyd
 Myrmecocystus depilis *
 Myrmecocystus flaviceps [RAJC]
 Myrmecocystus kennedyi [RAJC]
 Myrmecocystus mendax * [RAJC]
 Myrmecocystus mexicanus * [RAJC]
 Myrmecocystus mimicus * [RAJC]
 Myrmecocystus navajo * [RAJC]
 Myrmecocystus placodops [RAJC]
 Myrmecocystus romainei [RAJC]
 Myrmecocystus testaceus – Navajo ant project
 Myrmecocystus tenuinodis
 Myrmecocystus yuma [RAJC]
 Myrmecocystus n. sp. 1 [South Mtn. - LACM]
 Myrmecocystus n. sp. 2 [RAJC: nr. kennedyi, RAJ#2810, 2811, 2957]
 Nylanderia austroccidua * [RAJC]
 Nylanderia bruesii * [RAJC]
 Nylanderia "terricola" * [RAJC]
 Nylanderia "vividula" * [RAJC]
 Paratrechina longicornis I [RAJC]
 Polyergus breviceps * [RAJC]
 Prenolepis imparis * [RAJC]

MYRMICINAE

Acromyrmex versicolor* [RAJC]
 Aphaenogaster albisetosa * [RAJC]
 Aphaenogaster boulderensis [RAJC]
 Aphaenogaster cockerelli * [RAJC]
 Aphaenogaster huachucana * [RAJC]
 Aphaenogaster megommata [RAJC]

Aphaenogaster occidentalis
Aphaenogaster punctaticeps *
Aphaenogaster texana * [RAJC]
Aphaenogaster uinta – Navajo ant project
Atta mexicana [RAJC]
Cardiocondyla mauritanica I [RAJC]
Cardiocondyla nuda I [RAJC]
Cardiocondyla venustula I [RAJC]
Cephalotes rohweri [RAJC]
*Crematogaster browni** [RAJC]
*Crematogaster colei** [RAJC]
Crematogaster dentinodis * [RAJC]
Crematogaster depilis [RAJC]
Crematogaster emeryana * [RAJC]
Crematogaster hespera [RAJC]
Crematogaster isolata * [RAJC]
Crematogaster larreae
Crematogaster navajoa [RAJC]
Crematogaster nocturna
Crematogaster opaca
Crematogaster opuntiae * [RAJC]
Crematogaster smithi * [RAJC]
*Crematogaster torosa** [RAJC]
Crematogaster n. sp. 1 [RAJC: SPC5690, RAJ#662, 663]
Crematogaster n. sp. 2 [SPC 862] *
Cyphomyrmex flavidus [RAJC]
Cyphomyrmex wheeleri * [RAJC]
Dolopomyrmex pilatus * [RAJC]
Leptothorax crassipilis
Leptothorax muscorum - Navajo ant project
Leptothorax n. sp. 1 *
Leptothorax n. sp. 2
Messor lobognathus – G Alpert Navajo ant project
Messor pergandei [RAJC]
Messor smithi [RAJC]
Messor n. sp. 1 [LACM: R. Snelling]
Monomorium emersoni * [RAJC]
Monomorium pharaonis I
Monomorium n. sp. 1 * [so-called “cyaneum”]
Monomorium n. sp. 2 * [RAJC: desert species with alate and ergatoid queens]
Monomorium sp. 3 [Kaibab Plateau]
Monomorium n. sp. 4 [new inquiline/ Navajo Ant project]
Myrmecina americana * [RAJC]
Myrmecina cryptica n. sp. [RAJC: manuscript name] *
Myrmica brevispinosa – Navajo ant project
Myrmica discontinua [RAJC]
Myrmica incompleta [RAJC]
Myrmica magniceps [RAJC: man. name - Francoeur] *
Myrmica rugiventris * [RAJC]
Myrmica striologaster * [RAJC]
Myrmica tahoensis * [RAJC]
Myrmica wheeleri * [RAJC]
Myrmica n. sp. 1 [SPC3858] *
Myrmica n. sp. 2 [SPC3276,1260,4865] *
Myrmica n. sp. 3 [SPC843,1551,1552] *
Myrmica n. sp. 4
Myrmica n. sp. 5

Myrmica n. sp. 6
 Myrmica n. sp. 7
 Myrmica n. sp. 8
 Pheidole artemisia * [RAJC]
 Pheidole barbata [RAJC]
 Pheidole bicarinata * [RAJC]
 Pheidole californica*
 Pheidole cavigenis* [RAJC]
 Pheidole cerebrosior * [RAJC]
 Pheidole ceres * [RAJC]
 Pheidole clydei * [RAJC]
 Pheidole cockerelli * [RAJC]
 Pheidole coloradensis [RAJC]
 Pheidole desertorum * [RAJC]
 Pheidole floridana [ASU get from Maggie:I-12/01 RAJ coll.]
 Pheidole furtiva *
 Pheidole diversipilosa * [RAJC]
 Pheidole gilvescens [RAJC]
 Pheidole hyatti [red form] * [RAJC]
 Pheidole hyatti [dark form] * [RAJC] what are the new names for these hyatti group species?
 Pheidole juniperae [RAJC]
 Pheidole marcidula *
 Pheidole micula * [RAJC]
 Pheidole militicida * [RAJC]
 Pheidole obtusospinosa * [RAJC]
 Pheidole paiute
 Pheidole perpilosa * [RAJC]
 Pheidole portalensis * [RAJC]
 Pheidole psammophila [RAJC]
 Pheidole rhea * [RAJC]
 Pheidole rugulosa * [RAJC]
 Pheidole sciara * [RAJC]
 Pheidole sciophila * [RAJC]
 Pheidole senex [RAJC]
 Pheidole soritis * [RAJC]
 Pheidole tepicana [RAJC]
 Pheidole tetra* [RAJC]
 Pheidole titanis * [RAJC]
 Pheidole tucsonica * [RAJC]
 Pheidole tysoni * [RAJC]
 Pheidole vallicola * [RAJC]
 Pheidole virago
 Pheidole vistana [RAJC]
 Pheidole n. sp. 1 [e.g., SPC5107, nr. sciophila]*
 Pheidole n. sp. 2 [e.g., SPC5697, 5677, nr. soritis] *
 Pheidole n. sp. 3 [SPC6430, nr. soritis]*
 Pheidole n. sp. 4 [JTL5109]*
 Pheidole n. sp. 5 [RAJC: Pheidole "Bob," SPC4337, 5145, RAJ#576, 634, 883]
 Pheidole n. sp. 6 [e.g., SPC5719, nr. radoszkowskii]
 Pheidole n. sp. 7 [RAJC: RAJ#1367]
 Pheidole n. sp. 8 [SPC5628]
 Pheidole n. sp. 9 [SPC5642,5683,5639 , nr. cavigenis]
 Pheidole n. sp. 10 [e.g., SPC1606,2238,6123 , nr. hyatti]
 Pheidole n. sp. 11 [SPC5685, nr. soritis] *
 Pheidole n. sp. 12 [SPC5990]
 Pheidole n. sp. 13 [RAJC: RAJ#3134]
 Pheidole n. sp. 14 [RAJC: RAJ#1886]

Pheidole n. sp. 15 [MDeyrup, nr. dentata] *
Pheidole n. sp. 16 [Pinaleño Mtns. minors only]
Pheidole n. sp. Also 16 [RAJC: RAJ#3989, 4284, Boyce Thompson Arboretum]
Pogonomyrmex anergismus * [RAJC]
Pogonomyrmex apache * [RAJC]
Pogonomyrmex barbatus * [RAJC]
Pogonomyrmex bicolor [RAJC]
Pogonomyrmex californicus * [RAJC]
Pogonomyrmex colei [RAJC]
Pogonomyrmex desertorum * [RAJC]
Pogonomyrmex hoelldobleri [MCZ, RAJC]
*Pogonomyrmex huachucanus** [RAJC]
*Pogonomyrmex imberbicus** [RAJC]
Pogonomyrmex magnacanthus [RAJC]
Pogonomyrmex maricopa * [RAJC]
Pogonomyrmex occidentalis * [RAJC]
Pogonomyrmex pima [RAJC]
Pogonomyrmex rugosus * [RAJC]
Rogeria foreli * [RAJC]
Pyramica arizonica * [RAJC]
Pyramica chiricahua *
Pyramica membranifera I [RAJC]
Pyramica n. sp. 1 [SPC8160]
Solenopsis amblychila * [RAJC]
Solenopsis aurea * [RAJC]
Solenopsis krockowi * [RAJC]
Solenopsis wagneri (=invicta) I
Solenopsis xyloni * [RAJC]
Solenopsis n. sp. 1
Solenopsis n. sp. 2
Solenopsis n. sp. 3
Solenopsis n. sp. 4
Solenopsis n. sp. 5
Solenopsis n. sp. 6
Stenamma californicum * [RAJC]
Stenamma chiricahua * [RAJC]
Stenamma huachucanum * [RAJC]
Stenamma snellingi * [RAJC]
Strumigenys louisianae I [RAJC]
Temnothorax andrei [RAJC]
Temnothorax carinatus [listed in MacKay 2000]*
*Temnothorax emmae** [RAJC]
*Temnothorax josephi** [RAJC]
Temnothorax mariposa [listed by MacKay, 2000]*
Temnothorax neomexicanus * [RAJC]
Temnothorax nitens * [RAJC]
Temnothorax obliquicanthus *
Temnothorax obturator * [M. Deyrup]
Temnothorax pergandei * [RAJC]
Temnothorax polita [RAJC]
Temnothorax rugulatus * [RAJC]
Temnothorax silvestrii [RAJC]
Temnothorax stenotyle * [RAJC]
Temnothorax tricarinatus [RAJC]
Temnothorax whitfordi [RAJC] – still a good species as per Bolton 2010
Temnothorax n. sp. 1 [SPC1958,2803,2991,3702]*
Temnothorax n. sp. 2 [JTL5106, CA-09] *

Temnothorax n. sp. 3 ["zen"] *
 Temnothorax n. sp. 4
 Temnothorax n. sp. 5
 Temnothorax n. sp. 6
 Temnothorax n. sp. 7 [Manda Cattaneo]
 Temnothorax n. sp. 8[nr. silvestrii as per ANTWEB]
 Temnothorax n. sp. 9 [MCZ, RAJC: RAJ#3929, 3930]
 Tetramorium hispidum *[RAJC]
 Tetramorium spinosum [RAJC]
 Trachymyrmex arizonensis * [RAJC]
 Trachymyrmex desertorum [RAJC]
 Trachymyrmex neomexicanus [RAJC]
 Trachymyrmex nogalensis * [RAJC]
 Trachymyrmex pomonae * [MCZ, RAJC]

PONERINAE

Hypoponera inexorata * [RAJC]
 Hypoponera opacior * [RAJC]
 Hypoponera opaciceps [RAJ C]
 Hypoponera punctatissima [RAJC: PSW]
 Hypoponera n. sp. 1 nr inexorata [RAJC: RAJ#1906]
 Hypoponera sp. BCA-1 [RAJC: RAJ#1545]
 Odontomachus clarus * [RAJC]
 Odontomachus desertorum [RAJC] males different from clarus, but name change not yet made

PSEUDOMYRMICINAE

Pseudomyrmex apache * [RAJC]
 Pseudomyrmex pallidus * [RAJC]

* = collected from the Chiricahua Mtns, Cochise Co.

I = introduced to Arizona. .

[] = location of vouchers; MCZ = Museum of Comparative Zoology, Harvard University, Cambridge, MA; RAJC = Robert A. Johnson collection, Tempe, AZ