A Checklist of Idaho Ants
(Hymenoptera: Formicidae)

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The ants of Idaho have been listed only once: Cole (1936) reported 3 subfamilies, 17 genera, 48 species and 25 subspecies or varieties for a total of 73 forms of ants (Hymenoptera: Formicidae) as occurring in Idaho.

The following checklist contains 4 subfamilies, 23 genera, and 115 species, with 7 subspecies and a hybrid for a total of 123 forms. A total of 21 species are listed for the first time from Idaho. These are: Myrmica sp. (near discontinua), Pheidole pilifera pacifica, Leptothenax diversipilus, Forelius fosteri, Brachymyrmex depilis, Camponotus essigi, C. semitestaceus, Acanthomyops coloradensis, Formica aerata, F. bradleyi, F. ciliata, F. laevicaps, F. lepida, F. sp. (near neoclara), F. occulta, F. pacifica, F. opaciventris, F. rubicunda, F. tahoensis, F. ulkei and F. vinculans. The differences in numbers of genera and species between Cole’s list and the present one can be misleading. Many of the new names on our list are a result of nomenclatural changes in recent years.

Changes in nomenclature since 1936 have been extensive, particularly in the genera Pogonomyrmex, Stenamma, Formica (fuscus group), Myrmica, Acanthomyops, Lasius, and Myrmecocystus. Further changes may be expected in the following genera: Aphenogaster, Myrmica, Leptothenax, Camponotus and Formica (especially in the rufa group).

The present list is based on both literature citations and collections. Knowlton (1970, 1975); Allred and Cole (1971); Horning and Barr (1970); and Cole (1934) have compiled lists of ants for Curlew Valley, Craters of the Moon National Monument, the National Reactor Testing Station (now called the Idaho Nuclear Engineering Laboratory) and the Snake River plains, respectively. New records not cited in the literature are based on voucher specimens housed at the University of Idaho, Moscow (UI), Boise State University, Boise (BSU), the

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George C. Wheeler Collection (GCW), the Museum of Comparative Zoology, Harvard University (MCZ), the California Academy of Sciences (CAS), and in the personal collections of the authors, William H. Clark (WHC), Nicholas P. Yensen (NPY), and André Francoeur (AF).

Subspecies are included mainly for future taxonomic efforts and related studies.

Literature citations have been listed whenever possible to help verify the record. When more than two literature citations exist for a species only two of the more recent are usually used. Caution should be observed in that some records may be taken from an earlier citation and may not necessarily denote two separate records.

The species are listed alphabetically within genera. It is hoped that this will aid the nonmyrmecologist in locating names. Some of the more recent synonyms and "uses" are included with the literature citation to help ameliorate the confusion caused by the recent nomenclatural changes.

This list is a first step towards a paper on Idaho ants containing distribution and ecological data, identification keys and illustrations.

List of the Species

SUBFAMILY PONERINAE

PONERA


SUBFAMILY MYRMICINAE

MYRMICA

2. americana Weber

3. brevispinosa W. Wheeler

4. emeryana Forel
   Caution: This name is listed here for reference purposes, despite being completely misleading for the moment.

5. hamulata Weber
   Knowlton, 1975.

6. in completa Provancher
   nodoides.

7. fracticornis Emery

8. lobifrons Pergande
   Knowlton, 1975, as M. lobicornis lobifrons. UI.

9. monticola W. Wheeler

10. spatulata M. Smith
    Knowlton, 1975.

11. tahoeensis W. Wheeler
    Knowlton, 1975.

12. sp. (near discontinua Weber)
    AF. CAS.

MANICA

13. hunteri (W. Wheeler)

14. mutica (Emery)

POGONOMYRMEX

15. occidentalis (Cresson)
16. owyhee Cole
17. sainius Olsen

STENAMMA
18. dieckii Emery
19. occidentale M. Smith
20. smithi Cole
   Knowlton, 1975, as S. knowltoni.

APHAENOGASTER
21. occidentalis (Emery)
22. unita W. Wheeler

VEROMESSOR
23. lobognathus (Andrews)

PHEIDOLE
24. californica Mayr
   Cole, 1936, 1934.
24a. californica oregonica Emery
25. pilifera pacifica W. Wheeler
    WHC.

CREMATOGASTER
26. mormonum Emery

MONOMORIUM
27. minimum (Buckley)
28. pharaois (Linnaeus)
    Cole, 1934.

SOLENOPTIS
29. molesta (Say)
29a. molesta validiuscula Emery

LEPTOTHORAX
30. andreii Emery
31. diversipilosus M. Smith
    WHC.
32. hirticornis Emery
    Cole, 1936, as L. hirticornis formidolosa.
33. muscorum (Nylander)
34. nevadensis W. Wheeler
34a. nevadensis eldoradensis
    W. Wheeler
34b. nevadensis melanderi W. Wheeler
35. nitens Emery
36. rugatulus Emery
37. tricarinatus Emery

SUBFAMILY DOLICHODERINAE

IRIDOMYRMEX
38. pruinosum (Roger)
    Cole, 1936.
38a. pruinosum analis (E. Andre)

FORELIUS
39. foetidus (Buckley)
    UI. NPY.

CONOMYRMA
40. insana (Buckley)
    Knowlton, 1970, as Dorymyrmex pyrnicus. Creighton, 1950: 349,
    as D. pyrnicus.

TAPINOMA
41. sessile (Say)

SUBFAMILY FORMICINAE

BRACHYMYRMEX
42. depilis Emery
    UI.

CAMPONOTUS
43. essigi M. Smith
    UI.
44. herculaneus (Linnaeus)
    Cole, 1936, as C. herculaneus whymeri.
45. *laevigatus* (F. Smith)  

46. *modoc* W. Wheeler  
Horning and Barr, 1970, as *C. pennsylvanicus* modoc. Cole, 1936, as *C. herculeanus* var. modoc.

47. *nearcticus* Emery  
Cole, 1936, as *C. fallax nearcticus*.

48. *novoboracensis* (Fitch)  
Cole, 1936, as *C. herculeanus ligniperdus* var. *novoboracensis*.

49. *semitestaceus* Emery  
WHC.

50. *vicinus* Mayr  

51. sp. (near *hyattii* Emery)  
Cole, 1936, 1934.

**LASIUS**

52. *alienus* (Foerster)  
Knowlton, 1975, 1970, as *L. alienus americanus*.

53. *crypticus* Wilson  

54. *fallax* Wilson  
Wilson, 1955: 133.

55. *flavus* (Fabricius)  

56. *neoniger* Emery  

57. *niger* (Linnaeus)  

58. *palitarsis* (Provancher)  
Francoeur and Bélique, 1966. Wilson, 1955: 41, as *L. sitkaensis*.

59. *subumbratus* Viereck  

60. *umbratus* (Nylander)  

61. *vestitus* W. Wheeler  
Wilson, 1955: 175. Cole, 1936, as *L. umbratus* *vestitus*.

**ACANTHOMYOPS** Mayr

62. *coloradensis* (W. Wheeler)  
NPY.

63. *interjectus* (Mayr)  
Wing, 1968: 95.

64. *latipes* (Walsh)  

65. *murphy* (Forel)  
Wing, 1968: 115.

**MYRMECOCYSTUS**

66. *hammettensis* Cole  

67. *kennedyi* Cole  

68. *pyramicus* M. Smith  
Snelling, 1976: 135. WHC. NPY.

69. *testaceus* Emery  

**FORMICA**

70. *accreta* Francoeur  
Francoeur, 1973: 188.

71. *aerata* Francoeur  
UI. BSU.

72. *altipetens* W. Wheeler  

73. *argentea* W. Wheeler  
Knowlton, 1975, as *F. fusca*. Francoeur, 1973: 150.

74. *bradleyi* W. Wheeler  
UI.

75. *canadensis* Santschi  

76. *cilicata* Mayr  
BSU.

77. *coloradensis* W. Wheeler  
Hornung and Barr, 1970, as *F. integroides* *coloradensis*. Creighton, 1950: 439, as *F. integroides* *coloradensis*.

78. *criniventris* W. Wheeler  

79. *curiosa* Creighton  

80. *dakotensis* Emery  
Cole, 1936, as *F. dakotensis* var. *montigena*.

81. *densiventris* Viereck  

*Also *murphy* x *latipes* hybrid (Wing, 1968: 117).*
82. *haemorrhoidalis* Emery

83. *hewittii* W. Wheeler

84. *laeviceps* Creighton
   WHC.

85. *laesioides* Emery

86. *lepida* W. Wheeler
   AF, G. C. and J. N. Wheeler collection, and MCZ. This third record for the species is a large extension of range toward the north.

87. *limata* W. Wheeler

88. *manni* W. Wheeler

89. *neoclara* Emery

90. sp. (near *neoclara*) This sibling form looks like *F. neoclara* but without the metasternal processes, with a more angulate propodeum and dorsal margin of petiole usually entire. Collections: AF, BSU, GCW, UI, WHC.

91. *neogagates* Emery

92. *neorufifobarbis* Emery

93. *obscuripes* Forel

94. *obscuriventris clivia* Creighton
   Clark and Yensen, 1976.

95. *obtusopilosa* Emery

96. *occulta* Francoeur
   UI.

97. *opaciventris* Emery
   AF. MCZ.

98. *oreas* W. Wheeler

98a. *oreas compluta* W. Wheeler

99. *pacificla* Francoeur
   BSU.

100. *pallidefulva nitidiventris* Emery
    Cole, 1936, as *F. pallidefulva schaufussi* var. incerta.

101. *planipilis* Creighton

102. *podzolica* Francoeur

103. *puberula* Emery
    Cole, 1936, 1934 as *F. sanguinea puberula*.

104. *querquetulana* Kennedy and Dennis
    Knowlton, 1975.

105. *rubicunda* Emery
    UI.

106. *subnitens* Creighton

107. *subbaenescents* Emery
    Francoeur, 1973: 200, as *F. fusca* (forme *subbaenescents*). UI.

108. *subnuda* Emery
    Chapman, 1957.

109. *subpolita* Mayr

110. *tahoensis* W. Wheeler
    BSU. UI.

111. *transmontanus* Francoeur
    Francoeur, 1973: 140.

112. *ulkei* Emery
    AF. MCZ.

113. *vinculans* W. Wheeler
    UI.

114. *whymperi* Forel

114a. *whymperi alpina* W. Wheeler
    Horning and Barr, 1970.

114b. *whymperi californica* W. Wheeler

**POLYERGUS**

115. *breviceps* Emery
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Literature Cited


