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## A LIST OF THE ANTS OF TEXAS

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The ants of Texas are of interest to the formicologist for many reasons. Texas contains many tropical and subtropical species that are not found elsewhere in the United States. The magnitude of the state, with its favorable climatic conditions, is responsible for its having at least twenty to twenty-five percent of all the ants of America, north of Mexico. Furthermore, more ants have been described from Texas than from any other state in the Union. Lastly, it was here that Dr. W. M. Wheeler, our international authority on ants, laid down a large part of the cornerstone of North American formicology.

Preceding Wheeler in the study of the ants of Texas was S. B. Buckley, a geologist, who described sixty-seven species of North American ants among which were a number of Texas forms. Most of these ants have escaped recognition by later workers because of the inadequate descriptions of Buckley. Fortunately Wheeler was able to reestablish many of Buckley's species because of his intimate knowledge of the area and of the habits of the ants. For a review of this subject see Wheeler's, *A Consideration of S. B. Buckley's "North American Formicidæ."* (Trans. Texas Acad. Sci. Vol. 4, pp. 2-15, 1902).

In 1912 J. D. Mitchell and W. D. Pierce published a list of forty-six species of ants occurring in Victoria county (Proc. Ent. Soc. Washington Vol. 14, pp. 67-76). This list although very small is of interest largely because of the excellent observations made by these men on the habits and biology of the ants.

So far as the writer is aware, Texas is the only state that contains representatives of the seven present subfamilies of ants. Texas has also without doubt more *Ponerinae* and *Dorylinae* than any other state. There is though a particular scarcity of forms in the *Dolichoderinae* and *Formicinae*. Of the fifty-eight genera of ants occurring in America, north of Mexico (including imported forms) the state lacks nineteen genera or approximately one

third. These genera are: *Sysphincta*, *Euponera*, *Bothriomyrmex*, *Dolichoderus*, *Xenomyrmex*, *Epæcus*, *Erebomyrma*, *Sympheidole*, *Epipheidole*, *Stenammas*, *Veromessor*, *Symmyrmica*, *Harpagoxenus*, *Triglyphothrix*, *Wasmannia*, *Cardiocondyla*, *Myrmica*, *Antilæmyrmex*, *Lasius*. It is true that a few of these genera might be expected to have representatives in the state but so far they have escaped detection.

Anyone who contemplates studying the ants of Texas should by all means possess a copy of Wheeler's "The Ants of Texas, New Mexico and Arizona." (Bull. Amer. Mus. Nat. Hist. Vol. 24, pp. 399-485, 1908). Other helpful articles by the same author are in *Psyche*, *The American Naturalist*, *Journal of the New York Entomological Society*, *Bulletin of the Museum of Comparative Zoology (Harvard)* and *Annals of New York Academy of Sciences*. Most of these publications appeared during the years 1900-1910.

It is the writer's opinion that further collecting in the state will raise the number of species recorded in this list (172) to considerably more than 200.

This list represents collections made by individuals whose names are too numerous to mention in this introduction. Proper credit is given them elsewhere in the paper. The Argentine Ant Survey referred to in the list was made by the United States Bureau of Entomology principally in the eastern half of the state. Incidental to the regular scouting work for Argentine ants other species were also collected. Men who took part in this work were: Messrs. D. E. Read, T. F. McGehee, H. T. Vanderford, and L. C. Murphree.

The writer wishes to express here his appreciation of the help given him by Mr. F. F. Bibby of the Texas Agricultural Experiment Station in the study of the ants of Texas.

#### Family *FORMICIDÆ*

##### Subfamily *Dorylinae*

1. *Eciton* (L.) *cœcum* (Latreille). Austin, Ft. Davis (Wheeler), Barksdale (Brown), Dallas (Boll), Schulenberg, Hempstead, Richmond, Goliad, Willis, Saratoga, Waxahatchie, Nacogdoches, Waco, Meridian, Marlin,

- Mineral Wells, Stephenville, Weatherford, Houston, Blessing, Port Lavaca, Bloomington, Sinton, Taft, Ranger, Comanche, Lampasas, Smithville, San Antonio, Cameron, Corpus Christi (Argentine Ant Survey), Victoria County (Mitchell and Pierce).
2. **Eciton (L.) esenbecki** (Westwood). Las Borragas near Brownsville (Wheeler).
  3. **Eciton (A.) arizonensis** Wheeler. Brownsville (Schaeffer), Austin (Holliday).
  4. **Eciton (A.) commutatum** Emery. Austin (Melander), Shiner, Victoria, Liberty, San Augustine, Jasper (Argentine Ant Survey).
  5. **Eciton (A.) harrisi** (Haldeman). Austin (Wheeler), Brownsville (Schaeffer), Dallas (Boll), Rock Island (G. O. Wiley), Victoria County (Mitchell and Pierce).
  6. **Eciton (A.) melsheimeri** (Haldeman). Austin (Wheeler), Brownsville (Schaeffer), Plano (Tucker), Dallas (Boll).
  7. **Eciton (A.) minor** (Cresson). Bosque County (Belfrage), *type locality*.
  8. **Eciton (A.) nigrescens** (Cresson). Bosque County (Belfrage), *type locality*.
  9. **Eciton (A.) opacithorax** Emery. Austin (H. Heath), Jacksboro, Eastland (Argentine Ant Survey), Victoria County (Mitchell and Pierce).
  10. **Eciton (A.) pauxillum** Wheeler. Austin, and near Alpine (Wheeler) *type localities*.
  11. **Eciton (A.) pilosus** F. Smith. Austin, New Braunfels (Wheeler), Dallas (Boll), Colorado County (G. O. Wiley), Ranger, Lockhart, Cameron (Argentine Ant Survey), Victoria County (Mitchell and Pierce).
  12. **Eciton (A.) schmitti** Emery. Austin, McNeil, Del Rio (Wheeler), Wharton, Dallas, Cleburne, Carthage, Commerce, West Columbia, Palacios (Argentine Ant Survey).
  13. **Eciton (A.) spoliator** Forel. Bosque County (Belfrage).
  14. **Eciton (A.) wheeleri** Emery. Hays County (Wheeler) *type locality*. Austin (Wheeler), Hillsboro (Argentine Ant Survey).

15. **Eciton (A.) wheeleri** subsp. **dubia** Creighton. Near Fort Worth (H. Ruckes) *type locality*.

Subfamily *Cerapachyinae*

16. **Cerapachys (P.) augustæ** Wheeler. Austin (A. Rucker) *type locality*.  
17. **Acanthosticus (C.) texanus** Forel. Brownsville (Wickham) *type locality*.

Subfamily *Ponerine*

18. **Stigmatomma pallipes** (Haldeman). Austin (Wheeler).  
19. **Platythyrea punctata** (F. Smith). Brownsville (Wheeler).  
20. **Ectatomma hartmanni** Wheeler. Huntsville (C. G. Hartmann) *type locality*.  
21. **Ectatomma tuberculatum** (Oliver). Imported into the state to control the cotton boll weevil, *Anthonomus grandis* Boh. Colonized in Victoria County in the years 1904-1906.  
22. **Proceratium croceum** (Roger). Texas (Emery).  
23. **Neoponera villosa** (Fabricius). Brownsville (Schaeffer), Alice, Kennedy (Wheeler), Victoria (W. D. Hunter).  
24. **Pachycondyla harpax** subsp. **montezumia** F. Smith. Austin, Del Rio (Wheeler), Barksdale (Brown), Brownsville (Schaeffer), Schulenberg, Houston, Blessing, Taft, San Antonio (Argentine Ant Survey), Victoria County (Mitchell and Pierce).  
25. **Ponera ergatandria** Forel. New Braunfels (Wheeler), Temple (Argentine Ant Survey).  
26. **Ponera inexorata** Wheeler. Austin, San Angelo, Ft. Davis (Wheeler) *type localities*.  
27. **Ponera opaciceps** Mayr. New Braunfels, Granite Mts., Austin (Wheeler), Cleveland, Nederland, Port Neches, Matagorda, San Antonio (Argentine Ant Survey).  
28. **Ponera trigona** var. **opacior** Forel. Austin, McNeil, Marfa (Wheeler), Plano (Tucker), Paris (Rucker), Victoria County (Mitchell and Pierce), Marshall, Commerce, Brownwood, Bryan (Argentine Ant Survey).  
29. **Leptogenys (L.) elongata** (Buckley). Near Austin

- (Buckley) *type locality*. New Braunfels, Belton, (Wheeler), Brenham, Yorktown, Dallas, Waco, Mineral Wells, Beaumont, Port Arthur, Houston, LaPorte, Angleton, Matagorda, Port Lavaca, Refugio, Stanford, Brownwood, Georgetown, Bastrop, San Antonio, Bryan, Robstown, Gatesville (Argentine Ant Survey).
30. *Odontomachus hemotodes* subsp. *clarus* Roger. Austin, San Antonio, Marble Falls, San Angelo, Milano, Alpine, Ft. Davis (Wheeler), Meridian (Long), Eastland County (G. O. Wiley).
31. *Odontomachus hematodes* subsp. *desertorum* Wheeler. Brady, New Braunfels, McAllen, Alice (Argentine Ant Survey).

Subfamily *Pseudomyrminae*

32. *Pseudomyrma brunnea* F. Smith. New Braunfels, Waco (Wheeler), Brownsville (Schaeffer), Victoria County (Mitchell and Pierce), Harlingen, San Benito (Argentine Ant Survey).
33. *Pseudomyrma flavidula* F. Smith. Barksdale (Brown), New Braunfels, Austin (Wheeler), Victoria County (Mitchell and Pierce).
34. *Pseudomyrma gracilis* var. *mexicana* Roger. Brownsville (Schaeffer), Corpus Christi, San Benito (Argentine Ant Survey), Victoria County (Mitchell and Pierce).
35. *Pseudomyrma pallida* F. Smith. Waco, New Braunfels (Wheeler), Brownsville (Schaeffer), Falfurrias, Mercedes (Argentine Ant Survey), Victoria County (Mitchell and Pierce).
36. *Pogonomyrmex apache* Wheeler. Ft. Davis (Wheeler) *type locality*.
37. *Pogonomyrmex barbatus* var. *molefaciens* (Buckley). Central Texas (Buckley) *type locality*. Victoria County (Mitchell and Pierce), Ranger, Elgin, Sweetwater, Sealy, Cuero, Runge, Port Neches, Dallas, Kingsville, Harlingen, Olney, Luling, Abilene, Denton and other localities (Argentine Ant Survey).
38. *Pogonomyrmex barbatus* var. *nigrescens* Wheeler. Eagle

- Pass (Wheeler) *type locality*. Del Rio, Langtry, Toronto, Ft. Davis (Wheeler).
39. *Pogonomyrmex barbatus* var. *marfensis* Wheeler. Marfa (Wheeler) *type locality*. Brewster and Presidio Counties (Wheeler).
  40. *Pogonomyrmex californicus* (Buckley). Marfa (Wheeler).
  41. *Pogonomyrmex californicus* subsp. *maricopa* Wheeler. Marfa (Wheeler), Barton (J. C. Crawford), Victoria (J. D. Mitchell), Chisos Mts. (Phillips).
  42. *Pogonomyrmex comanche* Wheeler. Montopolis (Wheeler) *type locality*.
  43. *Pogonomyrmex desertorum* Wheeler. Alamito, San Esteban (Wheeler), *type localities*. Langtry (Wheeler).
  44. *Pogonomyrmex sancti-hyacinthi* Wheeler. San Pedro Springs near San Antonio (Wheeler) *type locality*. Ft. Davis (Wheeler).
  45. *Pogonomyrmex* (E.) *imberbicus* Wheeler. Mt. Barker near Austin (Wheeler) *type locality*.
  46. *Aphaenogaster mutica* Pergande. Terlingua (Wheeler).
  47. *Aphaenogaster texana* Emery. Texas (Emery) *type locality*. Austin, New Braunfels (Wheeler), San Antonio (Argentine Ant Survey).
  48. *Aphaenogaster texana* var. *carolinensis* Wheeler. Seguin (Argentine Ant Survey).
  49. *Novomessor albisetosus* (Mayr). Alamito (Wheeler), Chisos Mts. (Creighton), Ft. Davis Mts. (Wheeler), Presidio (W. C. McDuffie).
  50. *Novomessor cockerelli* (Andre). Alpine, Del Rio, Ft. Davis Mts., Stockton, Langtry, Monahans, Terlingua, Toronto (Wheeler), El Paso (J. C. Bradley), Marathon (Creighton), Sierra Blanca, Warfield (Creighton), Midland (Argentine Ant Survey).
  51. *Pheidole desertorum* Wheeler. Ft. Davis (Wheeler) *type locality*. Yorktown, Florensville, Kennedy, Runge, Beeville, San Juan, El Paso (Argentine Ant Survey).
  52. *Pheidole desertorum* var. *comanche* Wheeler. Paisano Pass and Terlingua (Wheeler) *type localities*. Mathis (Argentine Ant Survey).

53. *Pheidole crassicornis* subsp. *porcula* Wheeler. Chisos Mts. (O. W. Williams) *type locality*.
54. *Pheidole crassicornis porcula* var. *tetra* Wheeler. San Antonio, Austin (Wheeler) *type localities*. Somerville, Brownsville (Argentine Ant Survey).
55. *Pheidole crassicornis* var. *diversipilosa* Wheeler. Ft. Davis (Wheeler) *type locality*. Eastland, Flatonia (Argentine Ant Survey).
56. *Pheidole hyatti* Emery. San Angelo, Marfa (Wheeler), Dublin, Clarkeville, Weatherford, Palestine, Hamilton, Cisco, Midland, Yoakum, Clarksville, Paris, Bonham, Greenville, Collins, Stephenville, Dallas, Marlin (Argentine Ant Survey).
57. *Pheidole hyatti* var. *ecitonodora* Wheeler. Austin and Belton (Wheeler) and Paris (A. Rucker) *type localities*. McKinney (Argentine Ant Survey).
58. *Pheidole texana* Wheeler. Travis County (Wheeler) *type locality*.
59. *Pheidole titanis* Wheeler. Paisano Pass (Wheeler), Chisos Mts. (O. W. Williams) *type localities*.
60. *Pheidole ridicula* Wheeler. Brownsville (C. L. Scott) *type locality*. San Diego (Pergande).
61. *Pheidole dentata* Mayr. Abilene, Richmond, Wichita Falls, Alice, Maud Low, Sinton, and many other localities (Argentine Ant Survey).
62. *Pheidole dentata* var. *commutata* Mayr. Laredo (J. F. McLendon), San Antonio, Brenham, Harlingen, Brownsville (Argentine Ant Survey), Hearne, Denton, Meridian (Long), New Braunfels, Austin, Galveston, Alice, and Granite Mts. (Wheeler).
63. *Pheidole morrissi* var. *impexa* Wheeler. Del Valle near Austin (Wheeler) *type locality*.
64. *Pheidole casta* Wheeler. Langtry (Wheeler) *type locality*.
65. *Pheidole ceres* Wheeler. Ft. Davis (Wheeler).
66. *Pheidole humeralis* Wheeler. Corsicana (M. Cooper) *type locality*.
67. *Pheidole kingi* subsp. *instabilis* Emery. Del Rio (Wheeler), Cisco, Lockhart, San Marcos, Nixon, Mineral Wells, Mathis (Argentine Ant Survey).

68. *Pheidole lamina* Wheeler. Austin (Wheeler) *type locality*.
69. *Pheidole marcidula* Wheeler. Barton Creek near Austin (Wheeler) *type locality*.
70. *Pheidole macclendoni* Wheeler. Laredo (J. F. McClendon) and Corsicana (M. Cooper) *type localities*.
71. *Pheidole pinealis* Wheeler. Near Ft. Davis (Wheeler) *type locality*.
72. *Pheidole sitarches* Wheeler. New Braunfels, Mt. Barker near Austin (Wheeler) *type localities*. Bridgeport (Argentine Ant Survey).
73. *Pheidole sitarches* var. *transvarians* Wheeler. Mt. Barker near Austin (Wheeler) *type locality*.
74. *Pheidole sitarches* subsp. *rufescens* Wheeler. Bull Creek, Walnut Creek, Mt. Bonnell, Mt. Barker near Austin, San Angelo (Wheeler) *type localities*. Somerville, Shiner, Gonzales, Richmond, Jacksboro (Argentine Ant Survey).
75. *Pheidole sitarches rufescens* var. *campestris* Wheeler. Henrietta (Wheeler) *type locality*.
76. *Pheidole vinelandica* Forel. Austin, Marble Falls, (Wheeler), Luling, Hempstead, San Diego (Argentine Ant Survey).
77. *Pheidole vinelandica* subsp. *longula* Emery. San Angelo, Alice, Henrietta, Austin (Wheeler), Denton (Long), Fort Worth, Gatesville (Argentine Ant Survey).
78. *Pheidole xerophila* Wheeler. Ft. Davis (Wheeler) *type locality*.
79. *Pheidole constipata* Wheeler. New Braunfels (Wheeler) *type locality*.
80. *Pheidole lauta* Wheeler. New Braunfels (Wheeler) *type locality*.
81. *Pheidole metallescens* Emery. Austin, Montopolis, Del Rio, Marble Falls (Wheeler).
82. *Pheidole metallescens* subsp. *splendidula* Wheeler. Austin, Montopolis, Del Valle, Marble Falls, Del Rio (Wheeler), Denton (W. H. Long) *type localities*. Corpus Christi (Argentine Ant Survey).
83. *Pheidole nuculiceps* Wheeler. New Braunfels (Wheeler) *type locality*.



84. **Pheidole sciophila** Wheeler. Austin, New Braunfels (Wheeler) *type localities*.
85. **Crematogaster (O.) arizonensis** Wheeler. Harlingen, San Benito, Brownsville, Mercedes, McAllen (Argentine Ant Survey).
86. **Crematogaster minutissima** Mayr. Texas (Mayr) *type locality*. Austin, New Braunfels (Wheeler), Buna, Houston (Argentine Ant Survey).
87. **Crematogaster (O.) victima** subsp. **missouriensis** Emery. Paris (A. Rucker).
88. **Crematogaster (A.) ashmeadi** Mayr. Denton (Long), Clarksville, Detroit, Sherman, Beaumont (Argentine Ant Survey), Victoria County (Mitchell and Pierce).
89. **Crematogaster (A.) coarctata** var. **mormonum** Emery. Ft. Davis (Wheeler).
90. **Crematogaster (A.) laeviuscula** Mayr. Ft. Cobb (Mayr) *type locality*. Galveston (Wheeler), Wharton, Beaumont, College Station, Corpus Christi (Argentine Ant Survey).
91. **Crematogaster (A.) laeviuscula** var. **clara** Emery. Ft. Cobb (Mayr) *type locality*. San Marcos, Hallettsville, Yoakum, Clarksville, Detroit, Bogato, Honey Grove, Wichita Falls, Houston, Waxahatchie, Llana, Alice, Harlingen, San Benito, Mercedes, San Juan, McAllen, McGregor (Argentine Ant Survey), Victoria County (Mitchell and Pierce).
92. **Crematogaster (A.) opaca** subsp. **depilis** Wheeler. Del Rio (Wheeler), and several localities in New Mexico and Mexico, *type localities*.
93. **Crematogaster opaca depilis** var. **punctulata** Emery. Paris (A. Rucker), Sealy, Mt. Pleasant, Wichita Falls, Nederland, Matagorda, Rockport, Sinton, Dallas, Somerville (Argentine Ant Survey).
94. **Monomorium minimum** Buckley. Central Texas (Buckley) *type locality*. Austin, Ft. Davis (Wheeler), Victoria County (Mitchell and Pierce). Very common and widely distributed over the eastern half of the state where scouting was carried on in the Argentine Ant Survey.

95. **Monomorium pharanois** (Linnaeus). Austin, Galveston (Wheeler), Abilene, Beaumont, Palestine, McAllen (Argentine Ant Survey), Victoria County (Mitchell and Pierce).
96. **Solenopsis geminata** (Fabricius). Austin, New Braunfels, Ft. Davis (Wheeler), Beaumont, Houston, Galveston, Freeport, Aransas Pass, San Marcos, LaGrange, Brenham, Richmond, Yoakum, Llano, Gonzales, San Antonio, Bryan, Harlingen, Brownsville, Edinburg, Gatesville (Argentine Ant Survey). This species is probably confined more to the southern section of the state than elsewhere.
97. **Solenopsis geminata** subsp. *rufa* (Jerdon). Montopolis, Austin, Lampasas (Wheeler), Paris (A. Rucker), Granite Mts. (Long). The writer is of the opinion that the presence of a mesosternal spine on the worker cannot be used to separate this subspecies from *geminata* and for that reason the exact distribution of these two forms is probably not correctly known.
98. **Solenopsis xyloni** McCook. Longview, Athens, Tyler, Corsicana, Jasper, Clarksville, Detroit, Bonham, Denison, Wichita Falls, Weatherford, Port Arthur, Houston, Galveston, Refugio, Sweetwater, Abilene, El Paso, Beeville, Goliad, Victoria, Orange, Ranger, Hearne, Bryan, Corpus Christi and many other localities (Argentine Ant Survey). This species was found to be one of the most common forms of fire ants in the eastern half of Texas where scouting was done.
99. **Solenopsis xyloni** subsp. *aurea* Wheeler. Austin (Wheeler) *type locality*. Ft. Davis (Wheeler).
100. **Solenopsis (D.) molesta** (Say). Texas (Mayr).
101. **Solenopsis (D.) picta** var. *moerens* Wheeler. Victoria (J. D. Mitchell) *type locality*.
102. **Solenopsis (D.) pilosula** Wheeler. Alice (Wheeler) *type locality*.
103. **Solenopsis (D.) salina** Wheeler. Ft. Davis (Wheeler) *type locality*.
104. **Solenopsis (D.) texana** Emery. Texas (Emery) *type*

- locality*. Austin, Belton, McNeil, Henrietta (Wheeler), Victoria County (Mitchell and Pierce).
105. *Erebomyrma longi* Wheeler. Denton (W. H. Long) *type locality*.
106. *Myrmecina graminicola* subsp. *americana* Emery. New Braunfels, Plano (Tucker).
107. *Myrmecina graminicola americana* var. *brevispinosa* Emery. Austin (Wheeler).
108. *Myrmecina graminicola* subsp. *texana* Wheeler. Shoal Creek, Austin (Wheeler) *type locality*.
109. *Macromischa subditiva* Wheeler. Walnut Creek near Austin and New Braunfels (Wheeler) *type localities*. Victoria (J. D. Mitchell), Harlingen (R. A. Vickery).
110. *Leptothorax fortinodis* Mayr. Austin (Wheeler).
111. *Leptothorax fortinodis* var. *gilva* Wheeler. Austin (Wheeler) *type locality*.
112. *Leptothorax obturator* Wheeler. Austin (Wheeler) *type locality*.
113. *Leptothorax schaumii* Roger. Austin (Wheeler).
114. *Leptothorax texanus* Wheeler. Milano (Wheeler) *type locality*.
115. *Leptothorax terrigena* Wheeler. Austin, McNeil (Wheeler) *type localities*.
116. *Leptothorax (D.) pergandei* Emery. Austin, San Angelo, Toronto (Wheeler).
117. *Tetramorium guineense* (Fabricius). Luling, Elgin, San Marcos, Columbus, El Campo, Yoakum, Stockdale, Beeville, Victoria, Buna, Silsbee, Saratoga (Argentine Ant Survey).
118. *Xiphomyrmex spinosus* subsp. *insons* Wheeler. Austin (Wheeler) *type locality*. New Braunfels, Alamito, Alice, San Angelo, Ft. Davis, Kennedy, Langtry, Barksdale, Del Rio (Wheeler).
119. *Cryptocerus texanus* Santschi. Texas (Santschi) *type locality*. Brownsville (Schaeffer).
120. *Strumigenys (S.) louisianæ* Roger. Victoria County (Mitchell and Pierce).
121. *Strumigenys (C.) margaitæ* Forel. New Braunfels (Wheeler), Comal County (C. F. Baker).

122. **Cyphomyrmex rimosus** var. **comalensis** Wheeler. Comal River, New Braunfels (Wheeler) *type locality*.
123. **Cyphomyrmex wheeleri** Forel. Austin (Wheeler) *type locality*. Belton, Langtry, Ft. Davis (Wheeler).
124. **Trachymyrmex (M.) hartmanni** Wheeler. Montopolis, and Dell Vale near Austin (Wheeler) *type localities*.
125. **Trachymyrmex septentrionalis** subsp. **obscurior** Wheeler. Austin (Wheeler) *type locality*. Montopolis, Milano (Wheeler), Paris (Brues), Denton (Long), Palestine (F. C. Bishopp), Brownwood (Pierce).
126. **Trachymyrmex septentrionalis obscurior** var. **crystallina** Wheeler. Huntsville (C. G. Hartmann) *type locality*.
127. **Trachymyrmex septentrionalis obscurior** var. **irrorata** Wheeler. Huntsville (C. G. Hartmann) *type locality*.
128. **Trachymyrmex turrifex** Wheeler. Austin, Montopolis, Marble Falls, Ft. Stockton, Paisano Pass, Marfa, Del Rio, Langtry (Wheeler) *type localities*. Mercedes, Falfurrias (Argentine Ant Survey).
129. **Trachymyrmex turrifex** subsp. **caroli** Wheeler. Huntsville (C. G. Hartmann) *type locality*.
130. **Atta (M.) versicolor** subsp. **chisonensis** Wheeler. Chisos Mts. (O. W. Williams) and Terlingua (Wheeler) *type localities*.
131. **Atta texana** Buckley. Central Texas (Buckley) *type locality*. Chapel Hill, Brenham, LaGrange, Ye Gua Creek (Linsecum), Alice, New Braunfels, Elgin, Granite Mts. (Wheeler), Llano, Seguin, Columbus, Richmond, Edna, Kennedy, Willis, Kingsville (Argentine Ant Survey), Victoria County (Mitchell and Pierce).

Subfamily *Dolichoderinae*

132. **Liometopum apiculatum** Mayr. Paisano Pass, Ft. Davis (Wheeler).
133. **Iridomyrmex pruinosus** var.  **analis** (Andre). Victoria County (Mitchell and Pierce).
134. **Iridomyrmex humilis** Mayr. Clarksville, Bonham, Gainesville, Henrietta, Wichita Falls, Mineral Wells, Weatherford, Beaumont, Port Neches, Port Arthur, West Port

- Arthur, Sabine, Houston, Galveston, Dallas, Lancaster, Fort Worth, Burleson, Ennis, Athens, Tyler, Timpson, Waco, Madisonville, Navasota, Kirbyville, Brenham, Sugarland, Orange, Kountze, Ranger, Comanche, Temple, San Antonio, Taylor.
135. **Forelius foetidus** (Buckley). Central Texas (Buckley) *type locality*. Victoria County (Mitchell and Pierce), Paris, Bonham, Wichita Falls, Mathis, Marshall, Terrell, Kaufman, El Paso, Kingsville, Edinburg, San Juan, Hamilton.
136. **Dorymyrmex pyramicus** (Roger). Victoria County (Mitchell and Pierce), Cameron, Paris, Denton, Bridgeport, Jacksboro, Weatherford, Glen Rose, Bay Town, Mathis, Mineola, Corsicana, El Paso, Bellville, Alice, Edinburg, Gatesville (Argentine Ant Survey).
137. **Dorymyrmex pyramicus** var. **flavus** Pergande. Victoria County (Mitchell and Pierce), Eastland, Smithville, Detroit, Bogata, Mt. Pleasant, Paris, Bonham, Denison, Jacksboro, Burkburnett, Houston, Galveston, Freeport, Angleton, Matagorda, Palacios, Mathis, Midland, Corpus Christi, San Diego, Alice, Falfurrias (Argentine Ant Survey).
138. **Dorymyrmex pyramicus** var. **niger** Pergande. Raymondville (Argentine Ant Survey).
139. **Dorymyrmex pyramicus** var. **bicolor** Wheeler. New Braunfels, Elgin (Wheeler). Presumably one of the *type localities* but not clearly designated by Wheeler as such.
- Subfamily *Formicinae*
140. **Brachymyrmex nannellus** Wheeler. Austin (Wheeler) *type locality*.
141. **Camponotus herculeanus** subsp. **pennsylvanicus** (DeGeer). Austin (Wheeler), Beaumont (Long), Victoria (J. D. Mitchell), Dallas (W. D. Hinter), Longview, West Columbia, Huntsville (Argentine Ant Survey).
142. **Camponotus castaneus** subsp. **americanus** Mayr. College Station (F. C. Pratt), Palestine (F. C. Bishopp), Calvert (C. R. Jones).

143. **Camponotus sansabeanus** (Buckley). Austin (Buckley) *type locality*. Marble Falls (Wheeler), Handley (J. C. Crawford), Leary (Pierce), Dallas, Mineral Wells (Argentine Ant Survey).
144. **Camponotus sansabeanus** subsp. **maccooki** Forel. Eastland County (G. O. Wiley).
145. **Camponotus fumidus** var. (**festinatus** Buckley). Central Texas (Buckley) *type locality*. Austin, San Antonio, New Braunfels, San Angelo, Marble Falls, Kenedy, Brownwood, Terlingua (Wheeler), Laredo (McClen- don), Dimmitt County (Schaupp), Chisos Mts. (O. W. Williams), Abilene (A. W. Morrill), Kerrville (F. C. Pratt), Lampasas (W. D. Hunter), Brady (Argentine Ant Survey).
146. **Camponotus fumidus** var. **spurca** Wheeler. Toronto, Paisano Pass, Ft. Davis (Wheeler) *type localities*.
147. **Camponotus abdominalis** subsp. **transvectus** Wheeler. Harlingen, Brownsville (J. D. Mitchell) *type localities*. Mercedes, Edinburg (Argentine Ant Survey).
148. **Camponotus caryæ** subsp. **discolor** (Buckley). Central Texas (Buckley) *type locality*. Austin, Del Valle (Wheeler), Victoria County (Mitchell and Pierce), Wichita Falls, Ranger, Taylor (Argentine Ant Survey).
149. **Camponotus caryæ** subsp. **rasilis** Wheeler. Austin, New Braunfels, Marble Falls, Granite Mts. (Wheeler), Barksdale (Brown), Victoria (W. D. Hunter, J. D. Mitchell), Langtry (Wheeler), Kerrville (Pratt), Llano (J. C. Crawford), Tyler (R. C. Howell) Calvert (C. R. Jones) *presumably type localities in Texas*.
150. **Camponotus caryæ rasilis** var. **pavidus** Wheeler. Victoria (J. D. Mitchell), Dallas (Schwarz, Pratt, Hunter), Calvert (C. R. Jones), Liberty (Tucker), Austin (Wheeler), *no definite locality assigned by Wheeler but presumably his types were from these localities*. Palacios (Argentine Ant Survey).
151. **Camponotus texanus** Wheeler. Travis County (Wheeler) *type locality*. Victoria County (Mitchell and Pierce).

152. **Camponotus (C.) etiolata** Wheeler. Austin (Wheeler) *type locality*. Victoria County (Mitchell and Pierce).
153. **Camponotus (C.) impressus** Roger. Dallas (Schwarz and Pierce).
154. **Camponotus (C.) pylartes** Wheeler. Del Valle (W. D. Hunter) *type locality*. Victoria County (Mitchell and Pierce), Austin, New Braunfels (Wheeler), San Antonio, Taylor (Argentine Ant Survey).
155. **Camponotus (C.) pylartes** var. **hunteri** Wheeler. Victoria (J. D. Mitchell) *type locality*.
156. **Camponotus bruesi** Wheeler. Ft. Davis (Wheeler) *type locality*.
157. **Camponotus planatus** Roger. Brownsville (Schaeffer), Victoria County (Mitchell and Pierce) Port Lavaca, Rockport, Corpus Christi, Harlingen, San Benito, McAllen (Argentine Ant Survey).
158. **Paratrechina longicornis** (Latreille). Dallas, Ft. Worth, Palestine, Corsicana, Waco, Madisonville, Houston, Galveston, Angleton, Aransas Pass, Sinton, San Marcos, LaGrange, Cuero, Luling, Seguin, Austin, Taylor, College Station, Bryan, Corpus Christi, San Diego, Kingsville, Harlingen, San Benito, Brownsville, McAllen (Argentine Ant Survey).
159. **Paratrechina (Nylanderia) bruesi** Wheeler. Fresno Canon, Presidio County (Wheeler) *type locality*.
160. **Paratrechina (Nylanderia) vividula** subsp. **melanderi** Wheeler. San Angelo, Austin, New Braunfels, Ft. Davis (Wheeler) *type localities*. Victoria County (Mitchell and Pierce).
161. **Prenolepis imparis** (Say). Denton (Long), Dallas (Argentine Ant Survey).
162. **Prenolepis imparis** var. **testacea** Emery. Carthage, Dallas (Argentine Ant Survey).
163. **Myrmecocystus melliger** Forel. Brownsville (Langstroth), El Paso (Amer. Mus. Nat. Hist.), Laredo (C. E. Hood), Kenedy (G. P. Goll), Hondo, Cotulla (J. D. Mitchell).

164. **Myrmecocystus melliger** subsp. **mimicus** (Wheeler) Chisos Mts. (W. B. Phillips), Alamito, Longtry, Ft. Stockton, Alpine, Del Rio (Wheeler).
165. **Myrmecocystus melliger mimicus** var. **jesuita** Wheeler. Ft. Davis (Wheeler) *type locality*.
166. **Myrmecocystus melliger mendax** var. **comata** Wheeler. Ft. Davis (Wheeler) *type locality*.
167. **Myrmecocystus melliger** subsp. **orbiceps** Wheeler. Bull Creek near Austin (Wheeler) *type locality*. San Antonio, San Angelo, Langtry, Del Rio (Wheeler), Laredo (McClendon), Victoria (J. D. Mitchell).
168. **Formica pallide fulva** var. **succinea** Wheeler. Austin (Wheeler) *type locality*. Montopolis, Milano, Bee Creek (Wheeler).
169. **Formica pallide fulva schaufussi** var. **dolosa** Wheeler. Bull Creek (Wheeler) *type locality*. Arlington (W. E. Hinds), Edna (J. D. Mitchell).
170. **Formica rufibarbis** var. **gnava** Buckley. Central Texas (Buckley) *type locality*. Austin, Ft. Davis, New Braunfels, Langtry (Wheeler), Llano (A. W. Morrill), Kerrville, Devils River (F. C. Pratt), San Antonio (Argentine Ant Survey).
171. **Formica perpilosa** Wheeler. San Esteban near Marfa, Langtry, Ft. Davis (Wheeler), Eagle Pass (J. D. Mitchell).
172. **Formica sanguinea** subsp. **puberula** Emery. Ft. Davis (Wheeler).