

The localities where I made collections of this form in New Mexico are as follows: 10 mi. S. of Mountainair, 6,650 ft.; 9 mi. W. of Glenrio, 3,900 ft.; Galesteo, 6,000 ft.; 7 mi. W. of Magdalena, 6,850 ft.; 12 mi. W. of Hope, 5,200 ft.; 2 mi. N. of San Juan, 5,900 ft.; 18 mi. S. of Bayard, 6,000 ft.; White Sands Natl. Monument, 3,800 ft.; 10 mi. S. of Santa Fe, 6,500 ft.; 15 mi. E. of Silver City, 5,800 ft.

Pheidole xerophila tucsonica Wheeler. The range of this ant seems to be restricted to the southern portion of the state where it is a rather common dweller in some arid sections. It constructed small domed mounds or shallow craters at the following localities: 18 mi. SE. of Bayard, 6,000 ft.; 11 mi. N. of Las Cruces, 4,450 ft.; 23 mi. N. of Las Cruces, 4,300 ft.; 7 mi. W. of Deming, 4,525 ft.; 30 mi. E. of Carlsbad, 3,200 ft.

STUDIES OF NEW MEXICO ANTS. VI. THE GENERA MONOMORIUM, SOLENOPSIS, MYRMECINA, AND TRACHYMYRMEX (HYMENOPTERA: FORMICIDAE)¹

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Genus MONOMORIUM Mayr

Monomorium (Monomorium) minimum (Buckley). This well-known species, which is apparently the only member of its genus in the state, was collected from beneath stones and small craters in both moist and dry areas at the higher elevations as follows: Sapello Canyon, Beulah, 8,000 ft.; Dailey Canyon, Beulah, 8,000 ft.; 25 mi. E. of Gallup, 7,200 ft.; Albuquerque, 5,000 ft.; 10 mi. S. of Mountainair, 6,650 ft.; Water Canyon, 16 mi. W. of Socorro, 6,550 ft.; Black Canyon, Black Mts., 6,600 ft.; Bandelier Natl. Monument, 6,050 ft., 6,350 ft.; 12 mi. E. of Taos, 7,250 ft.; Tesuque Canyon, near Santa Fe, 7,600 ft.; 20 mi. E. of Alma, 6,400 ft.

Genus SOLENOPSIS Westwood

Solenopsis (Solenopsis) aurea Wheeler. I believe this species to be the most common one of its subgenus in the state. It nests in arid sections under both stones and small (frequently multiple) craters. Colonies were sampled at the following localities: 18 mi. SE. of Bayard, 6,000 ft.; 6 mi. N. of Las Cruces, 4,200 ft.; 23 mi. N. of Las Cruces, 4,500 ft.; 31 mi. N. of Las Cruces, 6 mi. W. of Deming, 5,600 ft.; 6 mi. NW. of Deming, 4,550 ft.; 17 mi. E. of Deming, 4,300 ft.; Malpais Lava Beds, near Carrizozo, 9 mi. W. of Glenrio, 3,900 ft.; 14 mi. W. of Hope, 4,800 ft.; 20 mi. W. of Hope, 5,150 ft.; 13 mi. N. of Carlsbad, 3,300 ft.; White Sands Natl. Monument, 3,800 ft.

Solenopsis (S.) geminata (Fabricius). One colony of what I believe represents this species was nesting beneath a stone in very dry, level, stony soil 13 mi. N. of Carlsbad, 3,300 ft.

Solenopsis (S.) xyloni McCook. A single nest was found under a stone in a very arid, rocky area with creosote bush, yucca, cacti, and ocotillo, at Carlsbad Caverns Natl. Park, 4,150 ft.

Solenopsis (Diplorhoptrum) krockowi Wheeler. Nests of this distinctive little yellow species were beneath stones at the following places: White Sands Nat. Monument, 3,700 ft.; 12 mi. W. of Hope, 5,200 ft.; 25 mi. W. of Hope, 5,350 ft.; 20 mi. N. of Bernardo, 6,550 ft.; Datil, 7,500 ft.

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