

monest female, for example, is that of *Protazteca elongata*, sp. nov., while the most abundant male is that of *Lasius peritulus* (Ckll.). An even better illustration is afforded by *Miomymex impactus* (Ckll.) and *M. striatus*, sp. nov., the former of which is represented by thirty-seven females and one male, and the latter by two females and fifteen males. The determination of the affinities of the males has been exceedingly troublesome, partly because this caste has been so little used in the taxonomy of existing ants, and partly because of the slight generic differentiation of this sex.

The number of species of Florissant ants was estimated by Scudder to be close to fifty, but this is considerably more than the actual amount. Thirty-two species are described below and although a few others may turn up in later collections, the total number will probably not exceed forty. These species are distributed among five of the seven recognized subfamilies. The following list shows the abundance of the species, and the table summarizes the ant faunas of the Florissant shales and the Baltic amber, so that they may be easily compared.

Name	Sexes known	No. of Specimens
<i>Archiponera wheeleri</i> , sp. nov.	♀ ♂	2
<i>Pseudomyrma extincta</i> , sp. nov.	♀ ♀	2
<i>Aphaenogaster mayri</i> , sp. nov.	♀ ♂ ♀	200
<i>Aphaenogaster donisthorpei</i> , sp. nov.	♀	1
<i>Pheidole tertiaria</i> , sp. nov.	♀	2
<i>Messor sculpturatus</i> , sp. nov.	♀	20
<i>Pogonomyrma fossilis</i> , sp. nov.	♀	1
<i>Lithomyrma rugosus</i> , sp. nov.	♂ ♀	40
<i>Lithomyrma striatus</i> , sp. nov.	♀ ♀	2
<i>Cephalomyrma rotundatus</i> , sp. nov.	♀	1
<i>Mianeuretus mirabilis</i> , sp. nov.	♀	1
<i>Dolichoderus antiquus</i> , sp. nov.	♀ ? ♀	10
<i>Dolichoderus rohweri</i> , sp. nov.	♀ ♀	7
<i>Protazteca elongata</i> , sp. nov.	♀ ♂ ♀	1,500
<i>Protazteca quadrata</i> , sp. nov.	♀ ♀	50
<i>Protazteca capitata</i> , sp. nov.	♀ ? ♀	30
<i>Liometopum miocenicum</i> , sp. nov.	♀ ♂ ♀	1,500
<i>Liometopum scudderi</i> , sp. nov.	♀ ♀	200
<i>Elaeomyrma gracilis</i> , sp. nov.	♀ ♀	50
<i>Elaeomyrma coloradensis</i> , sp. nov.	♀ ♀	29
<i>Iridomyrma florissantius</i> , sp. nov.	♀ ♀	34
<i>Iridomyrma obscurans</i> , sp. nov.	♀	26
<i>Miomymex impactus</i> (Ckll.)	♀ ♂ ♀	38
<i>Miomymex striatus</i> , sp. nov.	♂ ♀	17