

second. These pits are longer than wide, almost contiguous or at least much wider than the intervening spaces, and deepest cephalad. In *pumicosa* the head and pronotum have smaller but deeper punctures which, like the pits on the first tergite, are more widely separated, the interspaces being at least as wide as the punctures, or on the head, even wider. Additional localities for *strigulosa*, originally from Kimberley, are Nordhoek, Cape Peninsula and between Mount Ayliffe and Mount Frere, c. 4500 ft., in East Griqualand. The specimens from Nordhoek are slightly larger than the type, 10.5–11 mm. long, and in both the pits on the tergites are a little larger and shallower.

The South African species of the genus may be separated into three groups, as follows, and of which those of the first group are very closely related and are perhaps hardly more than races of one or two species.

First group. Sculpture coarse, or very coarse, arranged hereunder in descending order of coarseness:

<i>variolosa</i> Arn.	<i>pumicosa</i> Roger
<i>cariosa</i> Em.?	<i>granosa</i> Roger
<i>strigulosa</i> Em.	<i>cavernosa</i> Rog. race <i>montivaga</i> Arn.
<i>mlanjiensis</i> Arn.	<i>cavernosa</i> Rog.

Second group. Whole surface, or at least the head and thorax, dull, very finely reticulate-punctate or rugulose, and with a sparse, shallow and larger puncturation superimposed:

<i>kruegeri</i> Forel	<i>soror</i> Eméry	<i>crassa</i> Emery
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Third group. Whole body smooth and very shining, and with a sparse, fine and shallow puncturation:

laevissima Arn.

The key to the species in my monograph of the South African Formicidae was based partially on the original descriptions of three species not known to me in nature. I have now seen all of them except *cariosa* Em. and append herewith a new key.

- (12) 1. Sculpture of thorax, petiole and first or first two tergites very coarse, composed of large and deep pits, those of the second tergite usually oblique, i.e. deeper in front than behind.
- (7) 2. Second, and sometimes also the third joint of the flagellum, longer than wide.
- (4) 3. Second joint of the flagellum four-fifths longer than wide; second tergite almost smooth, with a shallow and sparse puncturation; tibiae and tarsi ferruginous. ***cavernosa* Roger**
- (3) 4. Second joint of the flagellum shorter, from one-fifth to one-third longer than wide.
- (6) 5. Second joint one-fifth longer than wide; second tergite nearly as coarsely pitted as the first; puncturation of the thorax round and deep; node of the petiole about as long as wide behind. ***strigulosa* Emery**