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**New Palaearctic species of the genus *Myrmica* LATR.  
 (Hymenoptera, Formicidae)**

**Abstract.** Four new species are described: *Myrmica pisarskii* (Mongolia and Southern Siberia; similar to *M. kasczenkoi* RUZS.), *M. zojae* (SE Altai; similar to *M. lobicornis* NYL.), *M. transsibirica* (Siberia from Altai to Pacific Ocean; similar to *M. bicolor* KUPIAN. and *M. kasczenkoi*), and *M. tschekanovskii* (Eastern Siberia; similar to *M. arnoldii* DLUSSKY). *M. pisarskii*, *M. zojae* and *M. transsibirica* belong to the *lobicornis* group, and *M. tschekanovskii* to the *arnoldii* group (the subgenus *Dodecamyrmica* sensu K. ARNOLDI 1968).

In a preceding paper (RADCHENKO, in press) a survey of the genus *Myrmica* LATR. has been given and 9 groups of Palaearctic species have been established: *rubra*, *rugosa*, *scabrinodis*, *lobicornis*, *schencki*, *luteola*, *arnoldii*, *carinata*, and *ritae*; all socially parasitic species have been provisionally placed in a separate, tenth group. So far, nearly 70 Palaearctic *Myrmica* good species are known. Four of these, from different regions of Siberia and the Far East, are described below.

**Measurements and indices used:**

- HL (Head length) – the length of the head in full-face view, measured in a straight line from the anterior point of the median clypeal margin to mid-point of the occipital margin;
- HW (Head width) – the maximum width of the head in full-face view, measured behind the eyes (excluding the eyes!);
- SL (Scape length) – the maximum straight-line length of the antennal scape;
- FW (Frons width) – the maximum distance between frontal carinae;
- FLW (Frontal lobe width) – the maximum width of frontal lobes;
- AL (Alitrunk length) – the diagonal length of the alitrunk in lateral view from the posterior base of the metapleural lobes to the antero-dorsal border of the promesonotum (in females and males) or to the anterior border of the neck shield (in workers);
- CI (Cephalic index) = HL:HW;
- SI (Scape index) = HL:SL;
- FI (Frontal index) = FLW:FW;
- FLI (Frontal lobe index) = HW:FLW;

The material examined belongs to the following institutions:

ZM – Zoological Museum of Moscow University, Moscow;

IZ – Institute of Zoology, Ukrainian Academy of Sciences, Kiev;

MiIZ – Museum and Institute of Zoology, Polish Academy of Sciences, Warsaw.