

on the other are missing. The specimen is heavily sculptured and has the features of the genus including the bicarinate clypeus narrow frons short, broad based propodeal spines and long petiole. They shaped notauli are hard to distinguish among the coarse longitudinal rugosities of the mesonotal dorsum. The eyes are large and protuberant occupying more than half the distance between occiput and clypeus. The short scape is about half the head width across the eyes. Body length 3.1 mm.

Crematogaster matsumurai Forel - Locality No. 267; South Pyongan Province De-sang san 2 ♂♂; 302 Pyongan Hotel ♀; 317 Gang-von Province On-Dzong district Kum-gang san ♀. - The workers were taken by sweeping along a coniferous forest 12 km north east of Pyongan and along a shrubby pathway. The alate queen was taken at mercury vapour lamp at a Pyongan hotel.

Crematogaster sp. - Locality No. 267; South Pyongan Province De-sang san 2 ♂♂. - Among the C. matsumurai were two smaller darker individuals with relatively shorter propodeal spines. These may represent a different species but more probably spine length varies allometrically with size, these two workers being the smallest in a variable size range.

Pristomyrmex pungens Mayr - Locality Nos. 267; South Pyongan Province; 305 Pyong-Sung Province Bek-sung-li Sa-mo san; 314, 318 Gang-von Province On-dzong Kum-gan san ♂♂. - These were taken by general sweeping among shrubby vegetation and in coniferous woodland.

Leptothorax acervorum (Fabricius) - Locality No. 281; Ryang Province Chann Pay Plateau ♀♀. - These alate queens were taken by sweep net in a Larix-Betula forest clearing. These have the general form, colour and pilosity of northern samples of this common and widely distributed Euro-Siberian species which is also recorded from Japan.

Leptothorax nassonovi Ruzsky - Locality No. 267; South Pyongan Province De-sang san; 305 Pyong-Sung Province, Bek-sung li, Za-mo san. ♂♂. - These were collected by sweeping and as single specimens along the border of a coniferous wood and in a Castanea woodland respectively.

Leptothorax servicolus Ruzsky - Locality No. 317; Gang-von Province On-dzong district, Kum-gang san. ♂♂. - These were taken at 600 m by sweeping among shrubs along the Okru-dong valley.

Tetramorium caespitum Linné - Locality No. 267; South Pyongan Province Pyongan, De-sang san. ♂♂. - These were collected by sweeping herbage in a coniferous wood. This time only four workers were taken contrasting with several hundred collected during the previous expeditions.

Monomorium pharaonis Linné - Locality No. 238; Pyongan 10 km north east of Nam-po. 1 ♀. - This record was omitted from the previous paper and the single worker was netted in Castanea woodland whereas all previous specimens were taken in the hotel premises at Pyongan a much more likely habitat for this common cosmopolitan species.

FORMICINAE

Formica yessensis Forel - Locality No. 238; South Pyongan Province Nam-po 1 ♀; Gang von Province On-dzong Kum-gang san 1 ♀. - The Nam-po record was apparently omitted from the earlier paper. Both workers were taken by sweeping in woodland.

Formica sanguinea Latreille - Locality Nos. 283; Ryang Gang Province Chann Pay plateau; 295 river Karim. ♀ ♂♂. - A queen and four workers were taken by hand collection among shrubby vegetation at 100 m.

Formica lemani Bondroit - Locality Nos. 280, 281, 295, 297; Ryang Gang Province ♀ ♂♂. - The queen was taken in a Malaise trap, the workers by sweeping and singling in Larix-Betula forest. One of the workers locality no. 295 was probably taken in company with F. sanguinea as it is likely to be the auxiliary species associated with the slave raiding ant.

Formica japonica Motschulsky - Locality Nos. 267, 274; South Pyongan Province; 304, 306, 331 Pyong Sang Province; 320, 324, 326 Gang von Province. ♂♂. - Workers of this apparently common species were all swept variously from herbage in woodland clearings.

Lasius niger (Linné) - Locality Nos. 273, 276, 282, 304, 306, 322. ♂♂ ♀♀ ♂♂. - This common species was taken variously in several localities in South Pyongan, Ryang-gang, Pyong-Sung and Gang-von provinces. This is evidently widely distributed through North Korea and was the most numerous species collected during the previous expeditions. This ant generally flourishes in disturbed habitats where there has been major human interference with the natural vegetation.

Lasius alienus (Foerster) - Locality Nos. 196 Ryang Gang Province Chann Pay plateau Sam-zi-yan ♂♂; 317 Gang-von Province On-Dzong district Kum gang san ♂♂. - The Ryang Gang record was omitted from the earlier paper. The species was taken by sweeping along pathways in Betula-