

Short Communication

**Four Newly Recorded Species of Formicidae  
(Insecta, Hymenoptera) from Korea**

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One hundred and nineteen forms of ants have been known from Korea up to the present (PAIK, 1984; CHOI, 1985, 1987, 1988; CHOI *et al.*, 1985; OGATA *et al.*, 1985; KIM, 1986; KIM and KIM, 1986; CHOI and KIM, 1987). Recently we examined the ant collection of the Cheong-Ju National Teachers' College, Korea, and found the following four unrecorded species from Korea.

1. *Hypoponera sauteri* (FOREL)

Specimens examined. 3 workers, Mt. Kyeryong-san, Chungchongnam-do, 23-IX-1989, B.-M. CHOI leg.; 1 worker, same locality, 14-VI-1990, B.-M. CHOI leg.; 2 workers, Tokchokto Is., Kyonggi-do, 19-VIII-1990, B.-M. CHOI leg.

Distribution. Korea, Japan, Taiwan.

Remarks. *Hypoponera excoecata* recorded by CHOI (1986, 1988), CHOI and KIM (1987), and KIM *et al.* (1989) from Korea correctly as *H. sauteri*. Therefore, *H. excoecata* is excluded from the Korean fauna for the present.

2. *Hypoponera nippona* (SANTSCHI)

Specimens examined. 1 female, 7 workers, Tokchokto Is., Kyonggi-do, 20-VIII-1990, B.-M. CHOI and M. TERAYAMA leg.

Distribution. Korea, Japan, Taiwan.

3. *Monomorium intrudens* FR. SMITH

Specimens examined. 1 female plus 32 workers, 18 workers and 14 workers from 3 colonies, Kojedo Is., Kyongsangnam-do, 5-VIII-1987, B.-M. CHOI leg.; 1 female, 76 workers, Namhaedo Is., Kyongsangnam-do, 19-VIII-1987, B.-M. CHOI leg.; 16 workers, Hongdo Is., Chollanam-do, 6-VIII-1986, B.-M. CHOI leg.; 1 female, 29 workers, Maemulto Is., Kyongsangnam-do, 31-V-1988, B.-M. CHOI leg.

Distribution. Korea, Japan.

4. *Aphaenogaster tipuna* FOREL

Specimens examined. 19 workers, Komundo Is., Chollanam-do, 7-VIII-1986, B.-M. CHOI

leg.; 3 workers, same locality, 29-IX-1989, B.-M. CHOI leg.; 8 workers, same locality, 30-IX-1989, B.-M. CHOI leg.; 23 workers, Taehuksando Is., Chollanam-do, 7-VIII-1986, C.-H. KIM and B.-M. CHOI leg.

Distribution. Korea, Japan (Yaeyama Isls.), Taiwan.

Remarks. *Aphaenogaster* sp. recorded by CHOI and KIM (1987) has been proved to be this species.

## 摘 要

短報：寺山 守（桐朋教育研究所生物研究室 〒182東京都調布市若葉町1-41-1）・崔炳文（清州教育大学 〒360-150 大韓民国清州市秀谷洞135）：朝鮮半島産アリ科（昆虫綱，膜翅目）の新記録4種。 *Edaphologia*, No. 45:63-64. 1991.

朝鮮半島から現在まで119種・亜種のアリが報告されていたが、最近、清州教育大学所蔵のアリの標本を調べたところ、新たに以下の4種の朝鮮半島未記録種が見つかったので報告した。

1. *Hypoponera sauteri* (FOREL) : ニセハリアリ
2. *Hypoponera nippona* (SANTSCH) : ヒゲナガニセハリアリ
3. *Monomorium intrudens* FR. SMITH : ヒメアリ
4. *Aphaenogaster tipuna* FOREL : タカサゴアシナガアリ

## References

- CHOI, B.M., 1985. Study on distribution of ants (Formicidae) from Korea (1). Formic fauna in Mt. Songni. *J. Cheong-Ju Nat. Tea. Coll.*, **22**: 401-437. (in Korean with English abstract)
- 1986. Studies on the distribution of ants (Formicidae) in Korea. *Ibid.*, **23**: 317-386. (in Korean with English abstract)
- 1987. Taxonomic study on ants (Formicidae) in Korea (1) - On the Genus *Monomorium* -. *Ibid.*, **24**: 17-30. (in Korean)
- 1988. Studies on the distribution of ants (Formicidae) in Korea (5). Ant fauna in Is. Kanghwado. *Ibid.*, **25**: 217-231. (in Korean with English abstract)
- CHOI, B.M. and C.H. KIM, 1987. Studies on the distribution of ants (Formicidae) in Korea (4). - Ant fauna in Is. Hongdo and Is. Taehuksando -. *Ibid.*, **24**: 357-370.
- CHOI, B.M., M. KONDOH and M.K. CHOI, 1985. Study on distribution of ants (Formicidae) from Korea (2) - Formic fauna in Mt. Halla -. *Ibid.*, **22**: 439-462. (in Korean with English abstract)
- KIM, B.J., 1986. On the unrecorded species of Korean ants, *Formica fusca* on the basis of external fine features. *Jour. Nat. Sci. (Won Kwang Univ.)*, **5**(2): 15-20.
- KIM, B.J. and C.W. KIM, 1986. On the one new species, *Camponotus jejuensis* (n.sp.) from Korea (Hym. Formicidae). *Korean J. Ent.*, **16**(2): 139-144.
- KIM, K.-I., C.-H. KIM and B.-M. CHOI, 1989. The ant fauna of the southern shore in Gyeongsangnamdo, Korea. *Jour. Gyeongsang Nat. Univ.*, **28**(2): 213-226. (in Korean with English summary)
- OGATA, K., Y. HIRASHIMA, T. MIURA, Y. MAETA, K. YANO and J.-H. KO, 1985. Ants collected in pine forests infested by the pine needle gall midge in Korea (Hymenoptera, Formicidae). *Esakia*, **(23)**: 159-163.
- PAIK, W.H., 1984. A check list of Formicidae (Hymenoptera) of Korea. *Korean J. Plant Prot.*, **23**(3): 193-195. (in Korean)