韓應昆誌 31(1):7~9(1992)
Korean J. Appl. Entomol.

Classification of the Family Pipunculidae from Korea(Diptera)

Part 3. A new species of the genus *Nephrocerus* Zetterstedt from North Korea

韓國産 머리파리科의 分類

3. 北韓産 애머리파리屬(*Nephrocerus*)에 대하여

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ABSTRACT As the third series of the systematic survey on the Korean Pipunculidae, a new species, *Nephrocerus paektusanensis* sp. nov., from North Korea is described here.

KEY WORDS Systematics, Diptera, Pipunculidae, North Korea

초 록 韓國産 머리파리科 系統分類의 一環으로 北韓에서 채집된 머리파리류를 同定하던 중, *Nephrocerus* 屬의 1 新種, *N. paektusanensis* sp. nov.(애머리파리, 신칭)을 발견하였기에 기재 보고코자 한다.

검 색 어 분류, 파리목, 머리파리과, 북한

In the course of the subsequent survey on the systematics of the Korean Pipunculidae, the authors enumerated an unknown species of the genus *Nephrocerus* while checking the specimens collected from North Korea, which resulted from the entomological expeditions on the basis of the Czechoslovak-North Korean Cultural Agreement in May 1988 and August 1989.

The type material will be deposited in the collection of the Slovak National Museum, Bratislava, Czechoslovakia.

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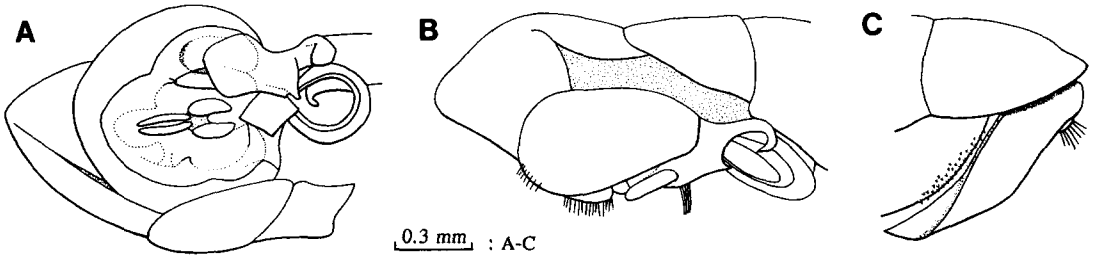
DESCRIPTION

***Nephrocerus paektusanensis* sp. nov.**

애머리파리 (신칭)

(Figs. A-C)

Male: Antennal segment 3 dark brown to black, reniform; segment 2 yellow with a row of short dark bristles along front margin; segment 1 yellow brown with 7 dark bristles in upper part. Arista yellow-brown at base, darkened towards tip. Frons and face black densely covered with silver grey short hairs. Eyes touching on frons for a little longer distance than the length of frontal triangle. Ocellar triangle black, greyish dusted. Occiput concave, black in ground colour, silver grey dusted with rows of light hairs.



Figs. A-C. *Nephrocerus paektusanensis* sp. nov.
A, male terminalia dorsal; B, ditto lateral; C, female ovipositor lateral.

Mesonotum shining black, brownish at sides with greyish brown dusting in anterior third. All bristles black; no humeral, 2 notopleurals, 1 supraalar and 2 postalars. Dorsocentrals uniserial, short in anterior part of mesonotum but somewhat longer bristles behind. Mesosnotum at sides with a few dispersed dark hairs(mainly in anterior part). Propleura with row of 8 long black bristles. Scutellum light brown, darkened in the middle, with sparse dark hairs, 4-6 long dark bristles on hind margin. Humeri yellow with a few dark hairs in upper part. Pleura greyish dusted; halteres yellow, yellowish brown at tip.

Wings hyaline. Third costal section about 1/3 length of 4th section; vein M_{1+2} with appendix at basal fourth of its length; cross-vein r-m placed in basal third of discal cell. Wing length: 9.6 mm.

Coxae yellow, brownish at base, apically with short dark hairs. Trochanters yellow. Femora yellow. Tibiae yellow, covered with a few rows of short dark hairs, hind tibiae slightly broadened in the middle. Tarsi yellow, last tarsal segment darkened. Pulvilli and unguiculli shorter than last segment.

All abdominal terga shining black, covered with long dark bristles(mainly laterally) and short dark hairs. Male terminalia see figs. A-B.

Female: In most characters as in male except for the following: eyes dichoptic; frons in narrowest point twice as wide as front ocellus. Wing length: 8.0-8.6 mm.

All coxae entirely yellow. Compared with male, the number of long dark bristles on abdominal terga reduced. Ovipositor see fig. C.

Type material. Holotype: ♂, Sobaeksan in Paektu Mts., North Korea, 17, Ⅷ, 1989, M. Kozánek, CSNM. Paratypes: 2 ♀♀, the same data as holotype.

Distribution. Korea(North).

Remarks. The present new species closely resembles European *N. scutellatus* Macq. but differs in the following characteristics: mesonotum shining black in hind two thirds; scutellum dark brown in the middle; all abdominal terga shining black and smooth, and the different shape of male terminalia.

The species name refers to the type locality-Paektu Mts.

ACKNOWLEDGEMENT

The first author (MK) would like to thank Prof. C.H. Paek, Dr. C.I. Kim, Dr. R.T. Chon, and Dr. C. K. Li(Zoological Institute, P'yongyang) for providing working facility during his stay in North Korea. Special thanks are due to Mr. M. Ackland(Oxford, U.K.) and Dr. M. De Meyer(Brussel, Belgium) for discussing the manuscript. The illustrations and word processing have been prepared by Mrs. A.

Huckova, Dr. S.J. Suh, and Miss E.Y. Huh, we are much appreciative of this help.

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(1991년 9월 16일 접수)

plication법은 정확도가 가장 높아서 정밀 시험으로서 침투 및 흡수 대사작용 같은 연구에는 적절한 방법이 될 수 있고 적은 개체수로 시험할 수 있다는 장점은 있으나 capillary-tube pipette의 조작과 약제처리 시간이 많이 걸려 대여러 계통을 동시에 처리할 수 있으며 처리 후의 조건을 균일하게 유지할 수 있었으며 기주식물 없이도 시험할 수 있고, slide상의 응애개체에 약제의 영향을 고르게 주어 시험오차를 줄일 수 있는 장점이 있었다. 이런 점은