

The Oribatid Mites (Acari: Cryptostigmata) of Korea (3) the Genus *Defectamerus* AOKI, 1984

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崔星植·青木淳一：韓國産 날개응애類(3) *Defectamerus* 屬의 新種에 關하여

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ABSTRACT *Defectamerus soonkii* sp. nov. and *D. crassisetiger coreanus* subsp. nov. belonging to the family Ameridae are described. Key to the species of the genus *Defectamerus* Aoki is presented.

Defectamerus soonkii sp. nov. (Fig. 1)

Material examined. Holotype: Mt. Songli, 800 m above the sea level, Chungcheong Buk Do, central Korea, 2-IV-1983. —30 paratypes: the same data as the holotype. —10 paratypes: Mt. Songli, 600 m above the sea level, the same district as the holotype. —2 paratypes: around Gapsa Temple, Chungcheong Nam Do, central Korea, 13-X-1984. The holotype and some paratypes are deposited in Lab. of Plant Protect., Coll. of Agr., Won Kwang Univ., Iri, Korea and 2 paratypes are deposited in the collection of National Science Museum, Tokyo, Japan.

Measurement. Length: 590~620 μ m, width: 380~410 μ m.

Description. [Prodorsum] A transverse ridge situated anterior part of prodorsum, connecting bases of the rostral setae, but interrupted medially. A longitudinal ridge on lateral side of prodorsum provided with a small apophysis and lamellar seta on the anterior end. Bothridia far separated from each other; they have a rather short anterior ridge and a sharp lateroposterior projection. Rostral seta long, weakly incurved and fine at tip. Lamellar and

interlamellar setae strong, straight and weakly roughened; the latter inserted on an oval apophysis. Sensillus long, thin and slightly barbed. [Notogaster] Dorsosejugal suture lacking; anterior margin of notogaster straight. Humeral projection rather well developed, low rectangular in shape. Nine pairs of notogastral setae present; among them 4 pairs (t_i , r_1 , r_2 and r_3) markedly longer and thicker than the others; the remainder short and fine; setae of p -series strongly bent downwards; setae of t - and r -series slightly barbed.

[Ventral side] All ventral setae rather long and fine. Epimeral chaetotaxy: 3-1-3-3. Genitoanal setal formula: 6-1-2-3.

Remarks. The genus *Defectamerus* was erected by Aoki, 1984 from Japan, designating *D. crassisetiger* as the type species. As the second member of the genus *Defectamerus*, *D. soonkii* sp. nov. was described from Korea. The Japanese species is quite different from the Korean one in having only eight pairs of notogastral setae (setae r_3 lacking) and the setae t_e , r_1 and r_2 markedly shorter than those of the Korean species.

Defectamerus crassisetiger coreanus subsp. nov. (Fig. 2)

Material examined. Holotype: Mt. Geonji, Jeonju-City, Jeolla Buk Do, southern Korea, 1-X-1984. —9 paratypes: the same data as the

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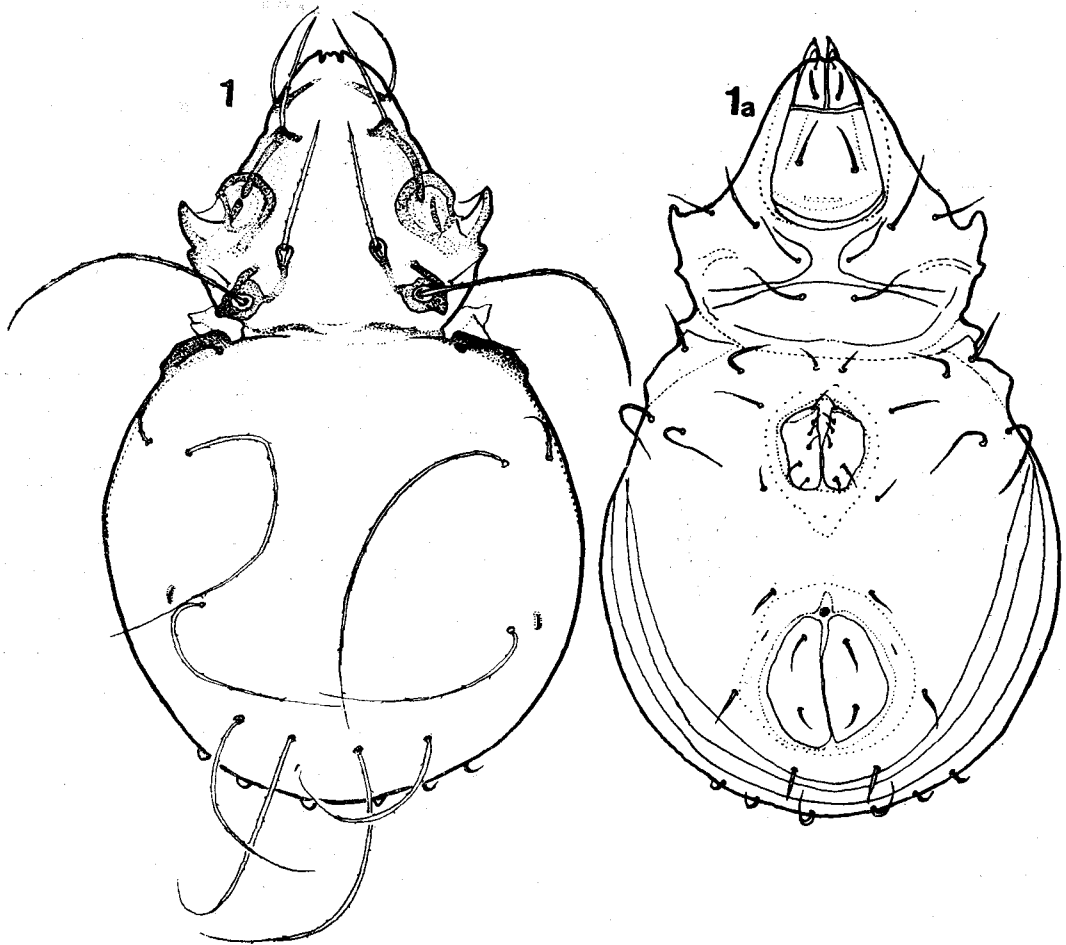


Fig. 1. *Defectamerus soonkii* sp. nov., 1a. Ventral side.

holotype. All the specimens are deposited in Lab. of Plant Protect., Coll. of Agr., Won Kwang Univ., Iri, Korea.

Measurement.

Length: 660~700 μ m. width: 410~460 μ m.
510~570 μ m. 310~350 μ m.

Description. The nominate subspecies, *D. crassisetiger crassisetiger* Aoki, 1984 was described as the type species of the genus *Defectamerus* from Japan. This new subspecies is well similar to the nominate subspecies, but the notogastral setae *te*, *r*₁ and *r*₂ are longer than those of the latter. Especially seta *te* is longer than notogaster. The body size of the Korean specimen is com-

posed of two types, namely, large type(660~700 \times 410~460 μ m) and small type(51~570 \times 310~350 μ m). All legs monodactyle.

Key to the species and subspecies of the genus *Defectamerus* Aoki, 1984

1. Eighth pairs of notogastral setae2
—Nine pairs of notogastral setae. A transverse ridge found between rostral setae.
590~620 \times 380~420 μ m. Korea.
D. soonkii sp. nov.
2. Notogastral setae *te* shorter than notogaster. Sensillus distinctly barbed. 610~660 \times 380~450 μ m. Japan.*D. crassisetiger crassisetiger* Aoki, 1984

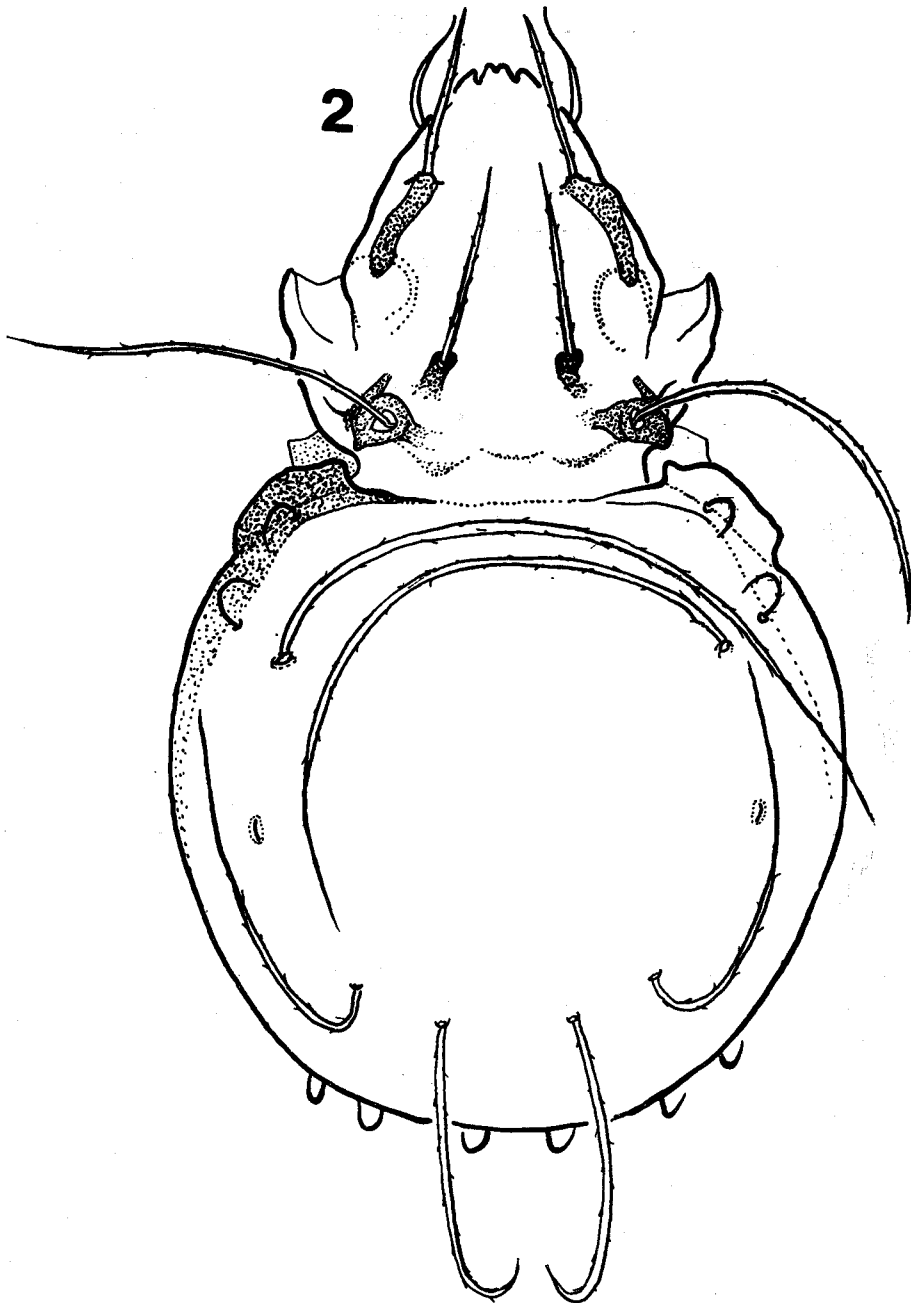


Fig. 2. *Defectamerus crassisetiger coreanus* subsp. nov.

—Notogastral setae *te* longer than notogaster. Sensillus weakly barbed. 510~570×310~350 μ m. (large type: 660~700×410~460 μ m). Korea,..... *D. crassisetiger coreanus* subsp. nov.

응애 (*D. crassisetiger coreanus* subsp. nov.)를記載하였다.

※순기민동정응애 (*D. soonkii* sp. nov.)는 故尹淳奇博士(全北大學校 農科大學教授)의 이름으로命名하였다.

摘 要

韓國産 *Defectamerus* 屬의 1 新種, 1 新亞種 및 種檢索表를 作成하였다. 新種은 순기민동정응애 (*D. soonkii* sp. nov.)와 新亞種으로 한국민동정

RREFERENCES

Aoki, J. 1984. New and unrecorded oribatid mites from Amami-Oshima Island, Southwest Japan. Zool. Sci., 1(1): 134~135.