# A NEW SPECIES OF ORIPODIDAE (ACARI: ORIBATIDA) FROM JAPAN 

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Summary: Truncopes gozeensis sp. n. was collected from Ehime Pref., Japan.

Résumé : Une nouvelle espèce de la famille des Oripodidae, Truncopes gozeensis, de la région de Ehime, Japon, est décrite.

The 'Goze stone' looks like to human body in Kamibayashi, Tōon city, Ehime Pref., Shikoku island, Japan. The stone is narrated into Japanese flolk story, and defied up to the present. I investigated the stone and soil surrounding the area, and found a new species belonging to the genus Truncopes. Nine species and one subspecies have been known as members of the genus Truncopes, according to Subías (2004). In the present paper, the tenth species of the genus is described newly.

Truncopes gozeensis sp. n.
[Japanese name: Goze-hana dani]
(Figs. $1 \& 2$ )
Material examined: Holotype (Female) (NSMTAc 12921) from litter, humus, soil material around and hollow of stone ( 33.7 N ; 132.8 E ; 565 m a.s.1.) in

Kamibayashi, Tōon-shi, Ehime Prefecture, Dec-282003, Y.-N. Nakamura; 1 paratype (NSMT-Ac 12922, female): the same data as holotype, but Dec-28-2006, Dr. T. Fujikawa.

Etymology: After the name of investigated stone, Goze

Measurements and body appearance: Female ( $n$ $=1$ ): Body length, $443 \mu \mathrm{~m}$; width: $207 \mu \mathrm{~m}$. Body color brown. The whole integument foveolate; plural minute, elongate. Prodorsum, genital plates and legs without foveolae.

Prodorsum: Projecting rostral tip appearing to be triangle in form (Fig. 1A). Lamellae thick extending forwards from bothridia for a distance equal to about 0.6 x as the length of the propodosoma at the lateral sides. Lamellar setae barbed through the length, arising on lamellar surface at the tip. Prolamella

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Fig. 1: Truncopes gozeensis sp. n. (Holotype NSMT-Ac 12921, ㅇ). A. - Dorsal view; B. - Ventral view. ro, le, in, ex: Rostral, lamellar, interlamellar; exobothridial setae, respectively; ss: Sensillus; $c, l a, l m, l p, h_{I-3}, p_{I-3}$ : Dorsal setae; $\mathrm{Sa}, \mathrm{S}_{1-3}$ : Sacculi; hy: Dorsophragmatic apophyses; gla: latero-opisthosomatic gland; ia, im, ip, iad: Lyrifissures; $a, m, h$ : Anterior, medial and posterior subcapitular setae, respectively; $1 a-c, 2 a$, $3 a-c$, $4 a-c$ : Epimeral setae; $g_{1}$, $a g$, $a n_{1-2}, a d_{l-3}$ : Genital, aggenital, anal and adanal setae, respectively.

reaching the insertion of rostral setae. Translamellar absent. Setae ro unilaterally barbed; other prodorsal setae, $l e$, in and ss minutely barbed through the length. Setae $r o$ and $l e$ extending beyond the rostrum; Setae $l e$ not extending beyond the end of setae ro. Bothridium directed anterally. Sensillus like clariform, ciliate throughout the length except for basal portion. Relative lengths and distances: $r o>$ in $>$ $l e>s s ;(l e-l e) \geq(i n-i n)>($ ro-ro $)>(l e-i n)>($ ro-le $) ;$ ro:le:in $=$ 1.00:0.89:0.96; (ro-ro):(le-le):(in-in) $=1.00: 1.03: 1.03$.

Notogaster: Dorsosejugal suture straght. Pteromorphae immovable, like neck of bottle, projecting ahead, not extending farther anteriarly than dorsosejugal suture. Dorsophragmatic apophyses hy leaf-like and conspicuous. Ten pairs of notogastral setae roughened, short, same in length. Four pairs of sacculi and three pairs of lyrifissures ( $i a$, im and $i p$ ) discernible. Setae $c$ inserted antero-laterally to $l a$; Sa situated anterior to $l a ; \mathrm{S} 1$ situated antero-laterally to $l p ; \mathrm{S} 2$ posterial to $h_{3}$; S3 latero-posterial to $h_{l}$. Lyrifisurres $i a$ situated, antero-laterally, just near to $c$; im situated anterior to $l p ; i p$ situated latero-posterial to $h_{1}$. Relative distances: $(\mathrm{S} 2-\mathrm{S} 2) /(\mathrm{S} 1-\mathrm{S} 1)=0.89,\left(h_{3}-h_{3}\right) /\left(h_{2}-h_{2}\right)$ $=1.19$.

Ventral region: Ventral plate covered laterally by notogaster strongly bending ventrally. Genital opening small; smaller than half length of interspace between genital and anal openings (FIG. 1B). Genitoanal setae: 3(2)-1-2-3; all setae, smooth; anal and adanal setae, very long; Relative lengths of $a d_{1}$ and anal plate $=1.6$. Genital setae variable in number; $g_{1}$ inserted on anterior inner margin of each plate; setae $g_{3}$ remoting from $g_{1}, g_{2}$. Lyrifissures iad aligned in paraanal position, almost at the level of insertion of anal setae $a n_{2}$. Adanal setae $a d_{1}$ and $a d_{2}$ adanal, $a d_{3}$ preanal to anal apature. The relative distances: $\left(a d_{2}-\right.$ $\left.a d_{2}\right)>\left(a d_{1}-a d_{1}\right)>\left(a d_{3}-a d_{3}\right)>\left(a g-a d_{3}\right)>(a g-a g)>\left(a d_{2}-\right.$ $\left.a d_{3}\right)>\left(a d_{1}-a d_{2}\right)$. Sternal ridge indistinct; apodemata II and III weekly recognizable. Epimeral setal formula: 3-1-3-3; setae smooth. Diarthric subcapitulum bearing 3 pairs of setae; $a$ barbed unilaterally; $m$
smooth; $h$ barbed sparsely. Relative lengths of some of the ventral setae: $a d>a n>1 a>a \geq h>a g>m>g=$ 12.0:10.8:4.0:2.8:2.8:2.0:1.3:1.0.

Legs: All tarsi heterotridactylous; claws dentate. Setal formula of legs including famulus but excluding solenidia: I (1-5-2-4-14), II (1-4-2-4-12), III (2-3-1-312), IV (1-2-2-2-10). Solenidiotaxy; I (1-2-2), II (1-12), III (1-1-0), IV (0-1-0). Famulus on tarsus I setiform situated posterior to $\omega_{1} ; \omega_{I}$ and $\omega_{2}$ setiform; $\omega_{I}$ longer than $\omega_{2}$ inserted antero-lateral to $\omega_{1}$.

Remarks: The new species is similar to Truncopes moderatus Aoki \& Ohkubo, 1974. However, the former differs from the latter by the following points: (1) the tip of rostrum triangle in form, (2) the tip of pteromorpha like the neck of bottle and projects ahead, (3) lyrifissures ia situated, antero-laterally, just near to setae $c$, (4) the situation among $S 1, l p$ and im very near, (5) lyrifissures $i p$ situated latero-posterial to dorsal setae $h_{l}$, (6) epimeral setae $2 a$ inserted anterior to the line of insertion of $3 a$, and (7) adanal setae $a d_{3}$ inserted far from anterior margin of anal apature.

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