

Urogryllus toledopizai: A NEW SPECIES OF CRICKET FROM
SOUTHEASTERN BRAZIL (ORTHOPTERA : GRYPHIDAE : GRYPHIDINAE)

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INTRODUCTION

RANDELL (1964) erected the genus *Urogryllus* to include five species of crickets formerly placed in three different genera - *Gryllodes*, *Gryllita* and *Acheta*. Currently, the species recognized as belonging to *Urogryllus* are *U.toltecus* (SAUSSURE, 1874), *U.rufipes* (REDTENBACHER, 1892), *U.forcipatus* (SAUSSURE, 1897), *U.cubensis* (REHN, 1937) and *U.fulvaster* (CHOPARD, 1956).

Here, a new species is added to the genus and its name dedicated to the memory of my friend Professor Dr. Salvador de Toledo Piza Júnior.

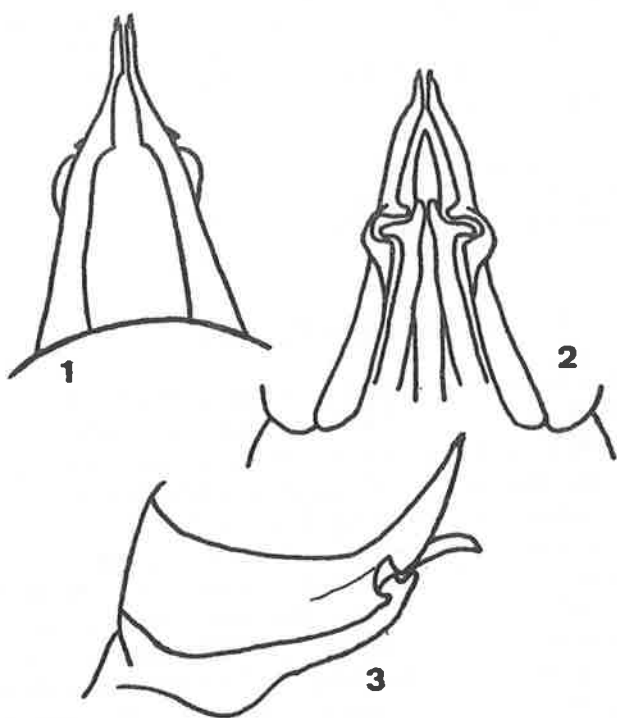
Urogryllus toledopizai, n.sp.

RECOGNITION - MALES - Size medium, dark brown, body covered by fine pubescence. **HEAD** as wide as pronotum, dark brown, shining; frons evenly convex in lateral view, as wide as the antennal scape; clypeofrontal suture slightly sinuose; antenna brownish, the scape depressed; maxillary palpi brownish, fourth joint shorter than third, fifth long, obliquely truncated. **PRONOTUM** velvety, slightly wider than long, the anterior margin concave, the posterior one straight. **FOREWINGS** completely covering the abdomen or leaving only the subgenital plate visible; stridulatory vein with ca. 112 teeth in the file; harp with two sinuous veins; mirror large, rounded backwards, the anterior angle almost right, dividing vein strongly curved, its anterior angle also almost right;

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anal field short; lateral field high, translucent inferiorly, with five regularly spaced parallel veins; hindwings extremely reduced (vestigial). **LEGS** reddish yellow to light brown, pubescent; foretibia with a long and conspicuous tympanum on its outer face only, the apex armed with three inferior spurs; middletibia with four apical spurs; hindtibia with six pairs of sub-apical spurs and three apical ones either side, been the two upper internal ones equal in length; metatarsi with two rows of spines above. **GENITALIA** as in figures 1, 2 and 3.



Figures 1-3. *Urogryllus toledopizai*, n.sp. male external concealed genitalia. 1, dorsal; 2, ventral; 3, lateral.

MEASUREMENTS (mm): body length - 13.6 - 15.0; head width - 3.7 - 4.2; pronotum length - 2.9 - 3.4; pronotum

width - 4.1 - 4.8; forewings length - 8.8 - 10.0; forewings width 4.9 - 5.2; hindfemora length - 10.0 - 11.8; hindtibia length - 7.3 - 8.1.

FEMALES - This sex differs from the male by the following characteristics: forewings shorter than those of the males, leaving half or almost so of the abdomen uncovered, its dorsal field furnished with several longitudinal veins and five parallel ones are present on the lateral field, the internal margins overlap to some extent and the posterior ones are rounded; (hindwings extremely reduced, vestigial, as in the male). **OVIPOSITOR** well developed, its apex acute.

MEASUREMENTS (mm): body length - 14.6 - 15.6; head width - 4.1 - 4.4; pronotum length - 2.9 - 3.5; pronotum width - 3.5 - 4.2; forewings length - 4.0 - 6.1; forewings width - 2.6 - 3.0; hindfemora length - 10.3 - 11.6; hindtibia length - 7.1 - 8.0; ovipositor - 8.1 - 9.1.

MATERIAL EXAMINED - holotype male, 2 male and 4 female paratypes were all collected at "Chácara Sol Nascente", Piracicaba, state of São Paulo, Brazil, in November 1982 by F.A.G. MELLO and V.S. ITO. One of the male paratypes is completely damaged, the figured genitalia was taken out from this individual. All the material is dry preserved (pinned) and deposited at the university of São Paulo Museum of Zoology.

The present species differs from *U. fulvaster* by been the males' forewings longer than those of the females and also on account of the rudimentary condition of the females' hindwings while Chopard's species females are macropterous. The male external concealed genitalia of *U. fulvaster* is also quite narrower than that of the present species (*C. f.* CHOPARD, 1956:263).

SUMMARY

In the present paper *Urogryllus toledopizai*, n.sp. is described from the state of São Paulo, Brazil and its external concealed genitalia is figured.

BIBLIOGRAPHY

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