

## A NEW SPECIES OF GROUND BEETLES ( COLEOPTERA : CARABIDAE ) FROM IRAQ

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### ABSTRACT

Among a collection of ground beetles from Iraq the new species *Acinopus euphraticus* was designated and described here . The erection of this new species was mainly built on external features and the description of male genitalia .

### INTRODUCTION

The ground beetles of Iraq were only known by some lists presented by previous authors . Heyden ( 1888 ) recorded only six species , while Holdhaus ( 1919 ) identified 36 species of carabids from Iraq . Andrews ( 1927 ) recorded 18 species in a collection of Iraqi carabids , five of which were described as new species . Roubal ( 1932 ) recorded seven species from Baghdad , describing one as new to our fauna . Ali ( 1964 ) provided a more complete faunal study of Iraqi Carabidae prepared from borrowed and personal material . Fourteen new species belonging to the family Carabidae from Iraq were newly described by Ali ( 1965 ) . Ali ( 1965 ) also introduced keys for the subfamilies tribes , genera , and species of the recorded species of Iraq .

### MATERIALS AND METHODS

A small collection of Carabids was brought by the author to the Dept , of Entomology of the British Museum ( N . H . ) in summer 1990 . The specimens were identified on the basis of their external features . They were compared with the Carabid collection of the genus *Ophorus* of the world kept at the British Museum ( N . H . ) .

The genitalia were dissected out and mounted and preserved in glycerine . They were kept in microvial then pinned to the holotype specimen which have been kept in the British Museum ( N . H . ) .

## RESULTS

*Acinopus euphraticus* sp. nov.

Male : length 16.53 mm . , width 5.86 mm . , head length 3mm . , head width 4.8 mm . , pronotum length 3.66 mm . , pronotum width 5.33 mm .

Female : length 16.33 mm . , width 5.73 mm . , head length 3mm . , head width 4.13 mm . , pronotum length 3.33 mm . , pronotum width 5 mm .

Head : thick but narrower than the pronotum in both sexes , clypeus deeply emarginate with short transverse furrow in the middle . Front margin of labrum insiced , frontal foveae circular and distinctly impressed . Eyes not convex and covered behind by genae . Fronto - clypeal sulcus sinuate laterally . Surface of head finely and sparsely punctate but heavily microsculptured . Antennae , palpi and tarsi red but femura darker .

Pronotum : Transverse with its apex truncate and very slightly emarginate ; sides rounded in front and contracted behind meeting base in large rounded hind angles . Median line distinct , anterior transverse impression not clear . Basal foveae fairly impressed and roughly punctate , sides with few coarse punctures . behind and a fided seta on each side in front .

Elytra : parallel sided , striae fairly and finely punctate . Intervals convex and cariniform behind , sparsely and microscopically punctate , 7 with an umplicate pore behind , 8 with the marginal pores interrupted in the middle .

Sternum : prosternum hump - like in male and flat in female . Metepisternum more than one and a half times longer than wide , narrowed behind . Abdominal sterna moderately punctate and pubescent at sides .

Male genitalia : Fig . 1 . Left paramere wide and rounded on its distal part and narrowed toward the base . The right paramere almost arrow shaped , basal foramen elongate . Internal sac nearly as long as the penis . Osium as a long slit on the ventral side reaching the apex of the penis . The outer surface of the internal sac glabrous , but there is a series of spines present only on the ventral surface and arranged in an elongate ringe .

Distribution : Holotype from Baghdad 31 / 5 / 1985 ( British Mus . Nat . Hist . ) paratypes 3 , 5 kept with holotype .

## ACKNOWLEDGEMENTS

I am very much grateful to the authority of the British Museum ( N . H . ) for making available their collection and library . I would like to thank Prof . P . M . Hammond the keeper of the Coleoptera section of the Dept . of Entomology in the British Museum ( N . H . )



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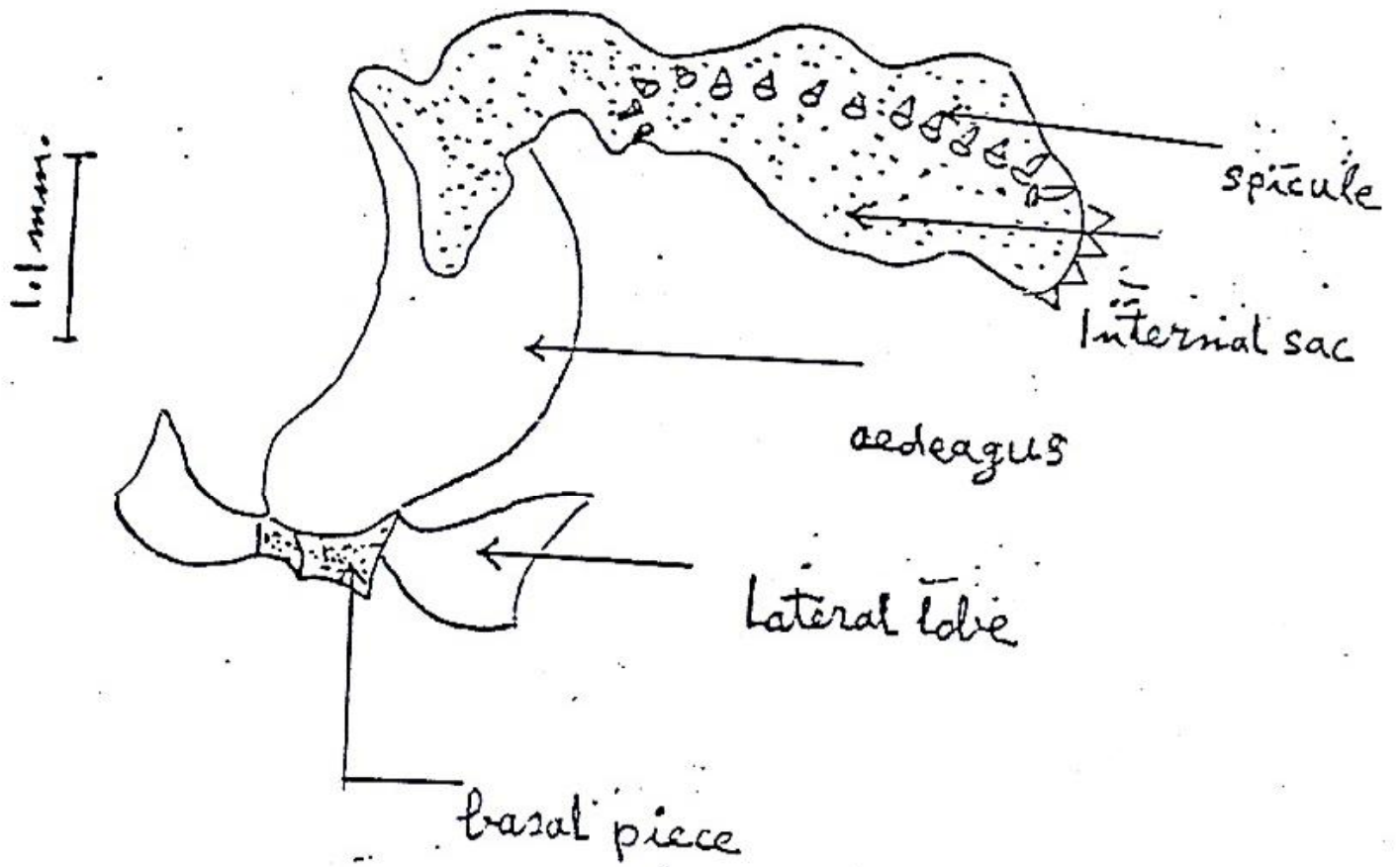


FIG. 1 -