

CARABIDAE FROM SEISTAN.

By H. E. ANDREWES.

[The Carabid beetles on which Mr. Andrewes has been kind enough to report were collected, mostly by Mr. S. W. Kemp, in the depth of winter. With the exception of *Metabletus fuscomaculatus* and *Microlestes corticalis*, which come from the desert, they were found at the edge of water-channels, streams or pools, or at that of Hamun-i-Helmand or lake of Seistan. On the shore of this lake there is in winter a drift-line, marking flood-level and consisting mainly of fragments of reeds. Under these fragments a fairly large fauna (consisting mainly of beetles and Heteroptera, but also including earwigs, a toad, etc.) finds shelter, and here we took no less than seven of the sixteen Carabidae found in Seistan.—*N. Annandale*.]

The species of Carabidae taken in Seistan number sixteen only. These show little relationship to the Indian fauna, though there are two species of which I have records from Karachi and the United Provinces respectively. A third species has not yet been recorded as coming from India, but I have examples of it in my collection from the Himalayas as mentioned below. Seistan—judging by the Carabidae—seems to be near the boundary (in so far as it exists) separating the fauna of Central Asia from that of the long sandy tract which stretches from Morocco to Sind. I have been able to determine most of the species, but have had to leave one or two unidentified.

Distichus planus, Bon.

1 Ex. No. 8782. Lab-i-Baring, Seistan, 7-xii-18, under drift at edge of Hamun.

Common in S.E. Europe, S.W. Asia, Egypt, etc.

Dyschirius sp.

3 Ex. No. 8795. Edge of stream of saline water near Lab-i-Baring, Seistan, 11-xii-18.

I have not been able at present to identify this species.

Pogonus micans, Chaud.

11 Ex. No. 8791-3. Lab-i-Baring, Seistan, 7-xii-18, under drift at edge of Hamun.

N. Persia : Astrabad. Kopet-Dagh : Germab.

Bembidium sp.

1 Ex. No. 8779. Nasratabad, Seistan, ca. 2,000 ft., 26-xi-18.

I cannot identify this species, but a large number have been described from Central Asia, and this may be among them.

***Bembidium niloticum*, Dej.**

1 Ex. No. 8799. Water-channels near Nasratabad, Seistan, xi-18.

Described by Dejean from Egypt, whence it extends eastwards as far as Japan, and south to the Malay Peninsula; I have seen Indian specimens from the Himalayas, but not further south.

***Bembidium varium*, Oliv.**

11 Ex. Nos. 8798-9, 8802. Near Jellalabad, Seistan, 2-xii-18. Channel 8 miles E. of Lab-i-Baring, Seistan, 16-xii-18.

Extends apparently over the whole of Europe, and the greater part of temperate Asia.

***Bembidium latiplaga*, Chaud.**

5 Ex. Nos. 8794, 8797, and 8800. Channel 8 miles E. of Lab-i-Baring, Seistan, 16-xii-18. Water channels near Nasratabad, Seistan, xi-18. Edge of stream of saline water near Lab-i-Baring, Seistan, 11-xii-18.

Mediterranean basin and S. Russia. I am not aware that the species has been recorded yet from a locality so far east as Seistan.

***Siagona europaea*, Dej.**

1 Ex. No. 8789. Lab-i-Baring, Seistan, 7-xii-18, under drift at edge of Hamun.

This is the furthest point east from which I have seen an example of this species, which is commonly found in the Mediterranean basin. I have quite recently (*Ann. and Mag. Nat. Hist.*, (9) iii, 1919, p. 470) given my reasons for considering it distinct from the Indian *S. depressa*, F.

***Chlaenius semicyaneus*, Solsky ?**

1 Ex. No. 8777. Hurmuk, Perso-Baluch-Afghan frontier, ca. 3,000 ft., 22-xi-18.

A single ♀ example agreeing fairly well with Solsky's description, but I have no specimen available for comparison.

***Chlaenius spoliatus*, Rossi.**

3 Ex. Nos. 8780, 8783-4. Lab-i-Baring, Seistan, 7-xii-18, under drift at edge of Hamun.

This species has a very wide range, from S. Europe and N. Africa to Japan; it does not extend to Southern Asia.

***Diplocheila transcaspica*, Sem.**

2 Ex. Nos. 8781 and 8785. Lab-i-Baring, Seistan, 7-xii-18, under drift at edge of Hamun.

Hitherto known only from the transcaspiian provinces of Russia.

Pterostichus sp

3 Ex. ♀ ♀ Nos. 8786-8. Lab-i-Baring, Seistan, 7-xii-18, under drift at edge of Hamun.

Possibly one of the numerous species described from Central Asia.

Brachinus sp.

1 Ex. No. 8790. Lab-i-Baring, Seistan, 7-xii-18, under drift at edge of Hamun.

Unknown to me. Chaudoir's Monograph of this genus unfortunately does not embrace the palaeartic species.

Glycia ornata, Klug.

1 Ex. No. 8778. Nasratabad, Seistan, *ca.* 2,000 ft., 26-xi-18. Ranges from the Mediterranean basin through the desert regions of Egypt and Arabia as far as Sind.

Metabletus fuscomaculatus, Motch.

1 Ex. No. 8796. Lab-i-Baring, Seistan, 15-xii-18, at base of desert plants.

South Russia, Mongolia, Caucasus, Syria; I have specimens in my collection from Chamba, Himalayas, but the species has not previously been recorded from the Indian region.

Microlestes corticalis, Dufour.

2 Ex. ♂ ♂ No. 1401. Lab-i-Baring, Seistan, 15-xii-18, at base of desert plants.

Extends from the Mediterranean basin to Central Asia.
