

A PRELIMINARY LIST OF THE INSECT FAUNA OF QATAR

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ABSTRACT

The present paper give a preliminary account of the entomofauna of Qatar. It has a complex composition, the species are a heterogenous group with diverse distribution patterns.

The account does not lay to completeness. It is chiefly based on the insects collected in a short period of time, it comprises 170 species in 154 genera, belonging to 63 families and pertaining to 15 orders, namely: *Thysanura*, *Ephemeroptera*, *Odonata*, *Orthoptera*, *Dermaptera*, *Embioptera*, *Isoptera*, *Dictyoptera*, *Anoplura*, *Hemiptera*, *Neuroptera*, *Lepidoptera*, *Diptera*, *Coleoptera* and *Hymenoptera*.

INTRODUCTION

On account of the scarcity of knowledge regarding the entomofauna of Qatar, it was decided at the beginning of the first author's stay in the country, that a general survey should be carried out.

The peninsula of Qatar (Fig. 1) lies between 50°.45' to 51°.40'E longitude and 24°.30' to 26°.10'N latitude. It occupies the eastern part of the Arabian peninsula, almost midway between Shatt El Arab and Strait of Hormuz. It is positioned at the junction of three of the world's major biogeographical regions: the Afrotropical, the Oriental and the Palearctic regions. It lies in the Eremic zone covering the arid belt separating the three main regions.

The climate of the peninsula is arid subtropical. The highest elevation in the peninsula is 103 m above sea level and the lowest part of about 6 m below sea level.

Large areas are dominated by saltflats in the coastal plain, other areas are covered by wind-blown sand. The type of soil determines the quantity of vegetation, and in turn, it has a marked effect on the insect fauna.

Among the plants present, there are date palms, *Acacia ehrenbergiana*, *Acacia tortilis*, *Acacia arabica*, *Lycium shawii*, *Zygophyllum qatarense*, *Pulicaria crispa*, *Zizyphus nummularia*, *Capparis spinosa*, *Corchorus depressus*, *Trigonella stellata*,

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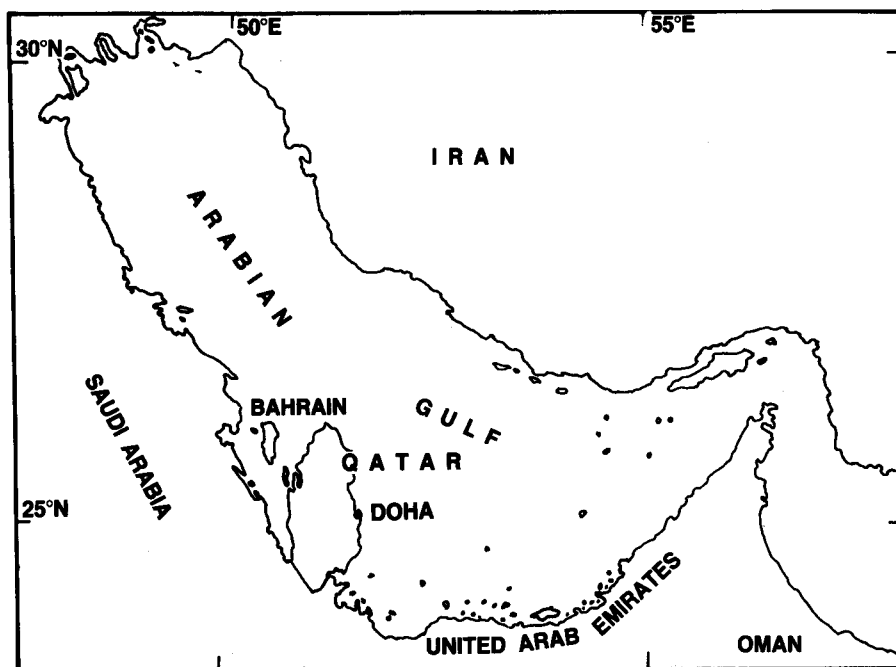


Figure 1. Qatar and the Gulf States.

Asphodelus fistulosus, *Tamarix aphylla*, *Tamarix ramosissima*, *Medicago sativa*, *Halopeplis perfoliata*, *Heliotropium bacciferum*, *Suaeda vermiculata*, *Arthrocnemum glaucum*, *Panicum turgidum*, *Astragalus corrugatus*, *Astragalus eremophilus*, *Convolvulus deserti*, *Avicennia marina*, *Francoeuria crispa* and several others (Batanouny, 1981).

MATERIALS AND METHODS

Systematic sampling of insects was commenced in September 1982 till June 1985 by the authors, from various biotopes, covering the desert, wadis, plains, gardens, farms and water pools.

A considerable number of specimens was obtained during the excursions and entomological trips all over the peninsula (Fig 2). Collecting insects was carried out by day and night, in residential areas and out of doors, under stones and on flowers of

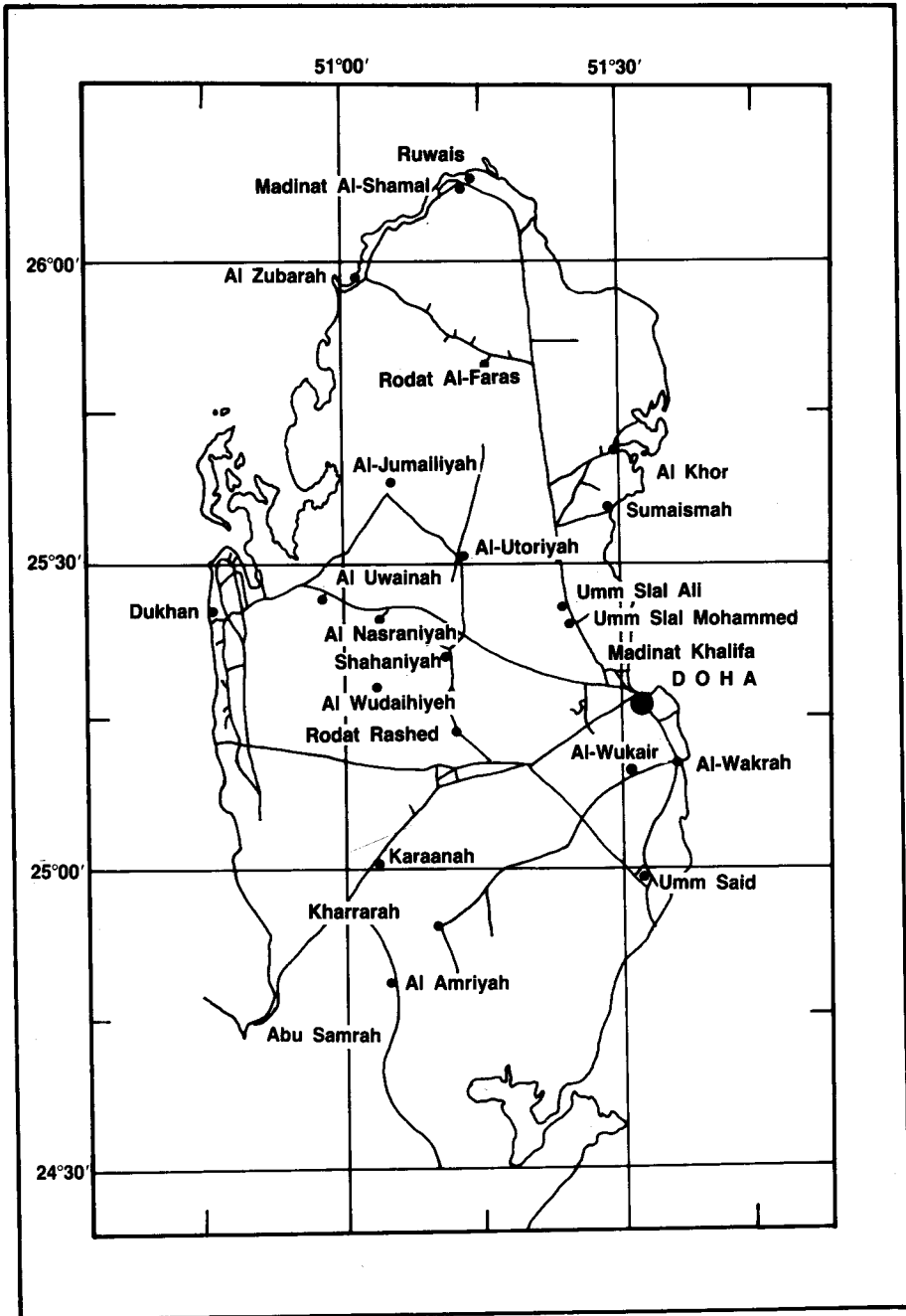


Figure 2. Map of Qatar showing localities of survey

different species. Some of the places were inspected at more or less regular intervals. Different types of traps were used e.g. insect and water nets, aspirators, bait traps. Shaking small shrubs and collecting specimens from the soil or under the soil surface took place. Metal sieve of different sizes were used for small insects. The material was stored out, mounted and dispatched to specialists. In the results, localities are mentioned after each species, followed by the date and number of specimens collected between brackets. Several references and catalogues were used in identification and preparation of this work, among which we mention Priesner and Alfieri (1953) for Hemiptera; Steyskal and El Bialy (1967) for Diptera; Borror and De Long (1970), Borror and White (1970) for different orders; Alfieri (1976) for Coleoptera; Larsen (1979-1985) for several orders; Larsen and Larsen (1980), Pittaway (1980) and Larsen (1984) for Lepidoptera.

RESULTS

The following orders species of insects are represented:

APTERYGOTA

O. THYSANURA

F. LEPISMATIDAE:

Thermobia domestica (packard): Rodat Al Faras, 20.3.1985 (2).

PTERYGOTA EXOPTERYGOTA

O. EPHEMEROPTERA

F. CAENIDAE:

Caenis sp., Madinat Khalifa; 7.5.1984 (1).

O. ODONATA

S.O. ZYGOPTERA

F. COENAGRIONIDAE:

Ischnura evansi Morton: Al Shahaniyah, 20.3.1985 (2); Umm Slal Mohammed, 20.3.1985(3).

S.O. ANISOPTERA

F. AESHNIDAE:

Anax parthenope Selys, Rodat Al Faras, 11.3.1984 (1); Umm Slal Mohammed, 20.3.1985 (2).

E. LIBELLULIDAE:

Crocothemis erythraea (brullé): Abu Samrah, 3.3.1984 (4); Madinat Al Shamal, 11.3.1985 (3); Rodat Al Faras, 24.5.1985(5).

Figure 1 Qatar and the Gulf States

Figure 2. Map of Qatar showing sampling localities of survey.

Diplacodes lefebvrei (Rambur): Doha, 15.4.1983 (1); Umm Slal Mohammed, 20.3.1985 (3).

Orthetrum sabina (Drury): Al Shahaniyah, 20.3.1985 (2); Abu Samrah, 3.5.1985 (1).

Pantala flavescens (Fabricius): Doha 5.10.1983 (1); Rodat Al Faras, 24.5.1985 (2).

Trithemis annulata (Palisot de Beauvois): Umm Said, 20.10.1984(3); Rodat Al Faras, 24.5.1985 (4).

O. ORTHOPTERA

F. ACRIDIDAE

Acrida pellucida Klug: Doha, 20.4.1983 (2); Karaanah, 20.4.1984 (5); Rodat Rashed, 5.5.1985 (3).

Aiolopus thalassinus Fabricius: Al Shahaniyah, 20.3.1985 (4).

Anacridium aegyptium Linnaeus: Doha, 20.4.1983 (2); Abu Samrah, 3.3.1984 (8); Al Zubbarah, 11.3.1985 (10); Al Khor, 20.4.1985(5); Rodat Rashed, 5.5.1985 (3).

Chrotogonus homalodemus Blanchard: Karaanah, 3.3.1984 (10); Al Shahaniyah, 20.3.1985 (7).

Cyclopternacris etbaica Ramme: Abu Samrah, 3.3.1984 (5); Umm Said, 20.11.1984 (2); Al Zubarah, 11.3.1985 (9); Abu Samrah, 24.4.1985 (4).

Leptocyrtus sp.: Doha, 15.5.1985 (1).

Locusta danica Linnaeus: Karaanah 20.5.1984 (2); Al Shahaniyah, 20.3.1985 (3).

Pyrgomorpha cognata Krauss: Doha, 20.5.1983 (2); Rodat Al Faras, 20.3.1985 (2), 24.5.1985 (3).

Schistocerca gregarcia Forsskål: Doha 30.9.1982 (2); Abu Samrah, 20.4.1984 (5), Al Amriyah, 20.4.1984 (4); Rodat Al Faras, 20.3.1985 (7).

Sphingonotus azurescens Rambur: Al Wukair, 25.4.1983 (2); Al Jumailiyah, 20.3.1985 (2).

Sphingonotus azurescens Rambur: Rodat Al Faras, 20.3.1984 (2); Sumaismah, 20.3.1984 (2).

Sphingonotus savignyi Saussure: Al Utoriyah, 3.3.1984 (4); Doha, 15.5.1985 (2).

Sphingonotus carinatus Saussure: Al Shahaniyah, 20.3.1985 (3).

Thisoicetrus littoralis Rambur: Doha, 2.5.1983; Al Uwainah, 12.5.1983 (2); Dukhan, 12.5.1983 (1).

Thmetis pulchripennis Serville: Doha, 4.5.1983 (2).

Truxalis nasuta Linnaeus: Kharrarah, 3.3.1984 (3); Doha, 6.6.1984 (1); Al Nasraniyah, 20.3.1985 (5).

F. GRYLLIDAE:

Acheta domesticus Linnaeus: Al Wakrah, 25.4.1983 (3); Doha, 2.5.1983 (2); Umm Slal Ali, 20.3.1985 (2).

Liogryllus bimaculatus de Geer: Madinat Khalifa, 25.4.1983 (1); Doha, 12.10.1984 (4).

Oecanthus sp., Abu Samra, 3.3.1984 (2); Al Zubarah, 11.3.1985 (3).

F. GRYLLOTALPIDAE:

Gryllotalpa africana Palisot de Beauvois: Doha, 13.9.1982 (1); Al Shahaniyah, 3.4.1983 (4); Abu Samrah, 3.3.1984 (7).

Gryllotalpa gryllotalpa Linnaeus: Al Khor, 22.4.1983 (3); Rodat Al Faras, 11.13.1984 (5); Al Zubarah, 5.5.1985 (10).

F. TETTIGONIDAE:

Conocephalus conocephalus Linnaeus: Al Khor, 22.4.1983 (1); Madinat Khalifa, 7.5.1984 (1).

Homorocryphus nitidulus Scopoli: Al Zubarah, 11.3.1985 (1); Abu Samrah, 3.5.1985 (2).

Phaneroptera roseata Walker: Doha, 21.4.1983 (1); Al Khor, 20.4.1985 (1).

O. DICTYOPTERA

S.O. BLATTARIA

F. BLATTIDAE:

Blattella arundinicola Werner: Doha, 20.10.1982 (2); Madinat Khalifa, 5.4.1983 (2); Abu Samrah, 3.3.1984 (8).

Blattella germanica Linnaeus: Doha, 10.10.1982 (3); Madinat Khalifa, 5.4.1983 (5); Abu Samrah, 3.3.1984 (3); Al Zubarah, 11.3.1985 (2).

Periplaneta americana Linnaeus: madinat Khalifa, 3.4.1983 (4); Doha, 13.4.1984 (6).

Periplaneta tartara Saussure: Madinat Khalifa, 12.9.1983 (3); Al Khor, 20.4.1985 (2); Rodat Al Faras, 24.5.1985 (3).

S.O. MANTODEA

F. MANTIDAE

Blepharopsis mendica (Fabricius): Al Khor, 22.4.1983 (1); Al Zubarah, 11.3.1983 (1).

Empusa pennata (Thunberg): Rodat Al Faras, 11.3.1984 (3), Abu Samrah, 3.5.1985 (4).

Fremiaphila spp.: Umm Slal Ali, 20.3.1985 (3); Al Wudaihiyeh, 2.4.1985 (2); Al Jumailiyah, 2.4.1985 (2); Al Amriyah, 24.5.1985 (3).

Mantis religiosa Linnaeus: Abu Samrah, 3.3.1984 (2).

Sphodromantis viridis Forsskål : Al shahaniyah, 21.4.1983 (1); Doha, 5.10.1983 (1); Abu Samrah, 3.5.1985 (2).

O. ISOPTERA

F. HODOTERMITIDAE

Anacanthotermes ochraceus (Burmeister): Sumaismah, 20.4.1985 (35); Doha, 25.4.1985 (28) and along the road to the North.

F. RHINOTERMITIDAE

Psammotermes hybostoma Desneux: along the road from Doha to Salwa, to the South, 3.3.1984, 20.5.1985 (50).

O. EMBIOPTERA

Several embid species were found among plants and under stones. Results will be published later. Al Zubarah, 11.3.1985 (3).

O. DERMAPTERA

F. LABIDURIDAE

Anisolabis annulipes Lucas: Doha, 20.10.1982 (2); Al-Wakrah 25.4.1983 (5).

Labidura riparia (Pallas): Abu Samrah, 3.3.1984 (5); Doha, 10.5.1985 (2).

Labidura confusa Capra: Al Zubarah, 11.3.1985 (4).

O. ANOPLURA

F. PEDICULIDAE

Pediculus humanus capitis De Geer: Doha, 5.11.1982 (3).

O. HEMIPTERA

S.O. HETEROPTERA

F. COREIDAE

Agraphopus lethierryi Stål: AL Wakrah, 25.4.1983 (4).

Amphibolus venator Klug: Karaanah, 20.4.1984 (2).

Camptopus lateralis Germ.: Karaanah, 20.4.1984 (3).

Cletus sp., Al Khor, 22.3.1984.

Liorhysus hyalinus Fabricius: AL Wakrah, 25.4.1983 (3); Al Khor, 22.3.1984 (2).

Nariscus cinctiventris Germ.: Karaanah, 20.4.1984 (1).

F. CORIXIDAE

Sigara sp.: Dukhan, 8.2.1983 (2); Al Khor, 22.4.1983 (28).

F. CYDNIDAE

Cydnus hispidulus Kl.: Al Zubarah, 11.3.1985 (2).

Cydnus macrophthalmus E. Wagner: Al Zubarah, 11.3.1985 (1).

F. MIRIDAE

Creontiades pallidus Rambur, Abu Samrah, 3.3.1984 (2).

F. MYDOCHIDAE = LYGAEIDAE

Dieuches mucronatus (Stål): Karaanah, 20.4.1984 (3).

Nysius graminicola (Klti.): Karaanah, 20.4.1984 (2).

F. PENTATOMIDAE

- Chroantha orunatula* (H.S.): Al Khor, 2.3.1984 (2), Karaanah, 20.4.1984 (3).
Eusarcoris inconspicuus (H.S.): Karaanah, 20.4.1984 (2).
Nezara viridula (Linnaeus): Abu Samrah, 3.3.1984 (2).
Schizops aegyptiaca (Lef.): Abu Samrah, 3.3.1984 (4); Karaanah, 20.4.1984 (2).
Sciocoris conspurcatus Kl.: Abu Samrah, 3.3.1984 (2); Karaanah, 20.4.1984 (1).
Piezodorus teretipes Stal.: Al Wakair, 25.4.1983 (2).

F. PYRRHOCOREIDAE

- Scantius aegyptius* (Linnaeus): Doha, 11.9.1983 (2).

F. REDUVIIDAE

- Holotrichius* sp., A Abu Samrah, 3.3.1984 (1).
Reduvius pallipes (Klug): Karaanah, 20.4.1984 (2); Abu Samrah, 20.4.1984 (3).

S. O. HOMOPTERA

- Cicadas are common everywhere. Leafhoppers and planthoppers are numerous. Results will be published later. Al Shahaniyah, 21.4.1983 (10); Abu Samrah, 3.3.1984 (24); Al Zubarah, 11.3.1985 (15).

ENDOPTERYGOTA

O. NEUROPTERA

F. CHRYSOPIDAE

- Chrysoperla carnea* Stephens, Al Khor, 22.4.1983 (6); Doha, 2.10.1983 (3); Umm Slal Mohammed, 12.3.1984 (5); Abu Samrah, 20.5.1985 (7).
Anisochrysa amseli Holzel: Doha, 20.10.1982 (2); Rodat Al Faras, 11.3.1984 (2); Abu Samrah, 20.5.1985 (2).

F. MYRMELEONTIDAE

- Creoleon klugi* Nav.: Al Khor, 22.4.1983 (4); Doha, 10.2.1984 (2); Abu Samrah, 20.5.1985 (3).
Morter hyalinus Ol.: Doha, 15.10.1982 (2); Umm Slal Ali, 12.3.1984 (2); Al Zubarah, 11.3.1985 (4).

O. LEPIDOPTERA

F. PAPILIONIDAE

Papilio demoleus demoleus Linnaeus: Doha, 3.1.1983 (5); Rodat Al Faras, 11.3.1984 (4); Al Zubarah, 11.3.1985 (3).

F. PIERIDAE

Pieris rapae Linnaeus: Abu Samrah, 7.11.1983 (8); Doha, 20.12.1983 (2); Abu Samrah, 3.3.1984 (1).

Pontia glauconome Klug: Al Amriyah, 3.3.1984 (2).

Anaphaeis aurota aurota Fabricius: Al Wudaihiyeh, 2.4.1984 (1); Al Shahaniyah, 2.4.1984 (2).

Colias croceus Geoffroy, Al Jumailiyah, 3.3.1984 (1); Doha, 20.5.1985 (2).

Madais fausta fausta Oliver: Madinat Al Shamal, 11.4.1984 (2); Al Zubarah, 11.4.1984 (2).

F. LYCAENIDAE

Tarucus balkanicus Freyer: Umm Slal Ali, 12.4.1984 (3); Al Wukair, 11.5.1985 (2).

Tarucus rosaceus (Austaut): Rodat Rashed, 3.4.1984 (1); Al Shahaniyah, 3.4.1984 (2).

Zizeeria knysna Trimen: Doha, 5.10.1982 (2); Umm Said, 3.3.1984 (3).

Lampides boeticus Linnaeus: Al Jumailiyah, 3.3.1984 (2); Doha, 5.4.1984 (1).

F. NYMPHALIDAE

Danaus chrysippus chrysippus Linnaeus: Doha, 25.11.1982 (2); madinat Khalifa, 8.2.1983 (3); Abu Samrah, 7.11.1983 (5); Al Jumailiyah, 3.3.1984 (8); AL Wakrah, 17.4.1984 (12); Karaanah, 20.11.1984 (5).

Vanessa cardui Linnaeus: migrating, Doha, 25.3.1982 (1); Rodat Al Faras, 11.3.1984 (3), Abu Samrah, 3.4.1984 (5); Karaanah, 3.4.1984 (5).

F. GEOMETRIDAE

Scopula coenosaria (Zeller): Doha, 5.4.1984 (2).

Scopula ochroleucaria (H.-S.): Madinat Khalifa, 20.4.1984 (1).

Autographa gamma Linnaeus, Al Wukair, 25.4.1983 (2); Al Khor, 20.4.1985 (3).

Cornutiplusia circumflexa Linnaeus: Doha, 17.5.1983 (2); Abu Samrah, 3.3.1984 (3).

Trichophusia ni Hubner: Al Zubarah, 11.3.1984 (1); Madinat Khalifa, 12.4.1985 (2).

F. ARCTIIDAE

Utetheisa pulchella Linnaeus: Doha, 1.4.1984 (1); Abu Samrah, 20.5.1985 (1).

F. NOCTUIDAE

Agrotis ipailon Hofnager: Al Jumailiyah, 3.3.1984 (1); Al Khor, 20.4.1985 (2); Doha, 3.5.1985 (3).

Agrotis puta Hubner: Rodat Al Faras, 11.3.1984 (2); Abu Samrah, 20.9.1984 (2).

Clytie haifae Hab.: Al Zubarah, 11.5.1984 (1).

Heliolithis peltigera Schiff.: Doha, 12.4.1983 (2); Abu Samrah, 7.11.1983 (1); Al Wukair, 17.4.1984 (2).

Heliolithis zea Boddie: Rodat Al Faras, 11.3.1984 (1); Madinat Khalifa, 2.9.1984 (2).

Spodoptera exigua Hbn.: Abu Samrah, 3.3.1984 (2); Al Shahaniyah, 20.3.1985 (2).

Spodoptera littoralis Linnaeus: Doha, 12.4.1983 (1); Abu Samrah, 20.9.1984 (1).

Tathorhynchus exiccota Led.: Doha, 20.4.1984 (1).

F. PYRALIDAE

Echromius ocellae Haw.: Al Khor, 22.4.1983 (2).

F. PYRAUSTIDAE

Cornifrons ulceratalis Led.: Abu Samrah, 3.3.1983 (1); Al Khor, 22.4.1983 (1).

Herpetogramma licarsisalis (Walker): Al Zubarah, 11.3.1984 (1); Rodat Al Faras, 20.3.1985 (1).

Nomophila noctuella (Disch.): Abu Samrah, 3.3.1983 (2).

F. SPHINGIDAE

Acherontia atropos Linnaeus: Doha, 2.5.1984 (1).

Agrius convolvuli Linnaeus: Doha, 20.5.1982 (2); Madinat Khalifa, 5.4.1983 (2); Abu Samrah, 3.9.1984 (3).

Daphnis nerii Linnaeus: Al Khor, 22.4.1983 (1).

Hippotion celerio Linnaeus: Doha, 5.12.1982 (1); Al Khor, 22.4.1983 (3); Al Zubarah, 11.3.1984 (5); Doha, 2.2.1985 (20).

Hyles lineata Fabricius: Abu Samrah, 7.11.1983 (2); Madinat Khalifa, 5.12.1983 (5); Al Khor, 22.4.1984; Doha, 2.2.1985 (30).

O. COLEOPTERA

S.O. ADEPHAGA

F. CARABIDAE

Anthia duodecimguttata Bonelli: Al Zubarah, 11.3.1984 (2).

Calosoma chlorostictum Klug: Abu Samrah, 3.3.1984 (1).

Calosoma imbricatum Klug: Abu Samrah, 3.3.1984 (1).

Cicindela melancholica Ferrante: Umm Said, 13.3.1984 (2).

F. DYTISCHIDAE

Eretes sticticus Linnaeus: Al Shahaniyah, 21.4.1983 (2).

S.O. POLYPHAGA

F. SCARABAEIDAE

Pentodon bispinosus Kuster: Abu Samrah, 7.11.1983 (2); 3.3.1984 (2); Doha, 2.4.1985 (1).

Phylloganthus cristatus Fabricius: Rodat Al Faras, 11.3.1984 (2); Doha, 25.9.1984 (1).

Scarabaeus sacer Linnaeus: Doha, 15.10.1983 (1); Abu Samrah, 3.9.1984 (2).

Stalagmopygus albella Pallas: Al Wakrah, 25.4.1983 (1); Abu Samrah, 3.9.1984 (1).

F. COCCINELLIDAE

Coccinella septempunctata Linnaeus: Al Wakrah, 25.4.1983 (2); Abu Samrah, 3.9.1984 (3).

Coccinella undecimpunctata is seen with several forms or aberrations either with one dot in the middle of each elytra, or with only dot 5 present, large in diameter or dark in colour... etc., Doha, 20.10.1983 (2); Al Khor, 22.4.1983 (5); Abu Samrah, 3.3.1984 (7); Al Zubarah, 11.3.1984 (5); Karrarah, 20.4.1984 (6).

F. TENEBRIONIDAE

Adesmia spp., Sumaismah, 22.4.1983 (2); Umm Slal Ali, 22.4.1983 (5); Al Wukair, 25.4.1983 (7); Al Zubarah, 11.3.1984 (2), Doha, 5.10.1984 (2).

Mesostena angustata Fabricius: Rodat Al Faras, 22.4.1983 (2); Al Wudaihiyeh, 3.4.1984 (3); Doha, 2.5.1984 (1).

Mesostena elegans Solier: Al Wukair, 24.4.1983 (1); Abu Samrah, 3.3.1984 (3).

Gonocephalum rusticum Olivier: Al Nasraniyah, 3.4.1984 (2).

Gonocephalum setulosum Faldermann: Karrarah, 3.3.1984 (2); Al Amriyah, 3.3.1984 (1).

Micipsa sp., Rodat Rashed, 3.3.1984 (1).

Ocnera philistina Reiche: Karaanah, 3.3.1984 (2); Al Amriyah, 3.3.1984 (2).

Ocnera hispida Forsskal: Al Utoriyah, 3.3.1984 (2); Al Jumailiyah, 3.3.1984 (3).

Opatroides punctulatus Brullé, Rodat Rashed, 3.3.1984 (2).

Zophosis sp., Abu Samrah, 3.3.1984 (3).

Tribolium confusum du Val: Doha, 25.4.1983 (10); Madinat Khalifa, 12.4.1984 (34).

F. CLERIDAE

Necrobia rufipes De Geer: Dukhan, 8.2.1983 (2).

F. CERAMBYCIDAE

Apomecyna lameerei Pic: Al Zubarah, 13.5.1984 (1).

F. BUPRESTIDAE

Psiloptera mimosae Klug: Al Shahaniyah, 21.4.1983 (1).

F. ANOBIIDAE

Lasidoerma serricorne Fabricius: Doha, 20.2.1985 (40).

F. SILVANIDAE

Oryzaephilus surinamensis Linnaeus: 5.3.1985 (50).

O. DIPTERA

F. CULICIDAE

Culex molestus Forsskal: Al Shahaniyah, 20.3.1985 (20).

Theobaldia sp., Al Shahaniyah, 5.4.1985 (5).

F. ASILIDAE

Apoclea algira Linnaeus: Rodat Al Faras, 13.5.1984 (2).

F. SYRPHIDAE

Syrphus corollae Fabricius: Doha, 8.5.1983 (2); Al Wakrah, 17.4.1984 (1).

Eristalis quinquelineatus Fabricius: Umm Said, 25.4.1983 (4); Doha, 4.5.1984 (2).

F. NEMESTRINIDAE

Nemestrinus rufipes Olivier: Al Shahaniyah, 20.3.1985 (1).

F. MUSCIDAE

Musca domestica Linnaeus: Al Shahaniyah, 21.4.1983 (5); Doha, 5.5.1983 (10); Umm Said, 3.3.1984 (3).

Musca sorbens Wiedemann: Al Wukair, 17.4.1984 (1); Al Amriyah, 3.9.1984 (1).

Musca albina Wiedemann: Umm Said, 25.4.1983 (1); Karrarah, 3.3.1984 (1).

Limnophora notabilis Stein: Doha, 19.5.1983 (2); Al Shahaniyah, 20.3.1985 (2).

Limnophora rufimana (Strobl): Al Wukair, 17.4.1984 (1); Doha, 2.5.1985 (1).

Stomoxys calcitrans (Linnaeus); Al Shahaniyah, 21.4.1983 (2); Umm Slal Ali, 12.3.1984 (1).

F. CALLIPHORIDAE

Calliphora vicina Robineau-Desvoidy: Al Wukair, 25.4.1983 (2); Doha, 7.5.1984 (1); Al Nasraniyah, 20.3.1985 (2).

Chrysomya albiceps (Wiedemann): Doha, 4.10.1982 (1); Umm Said, 25.4.1983 (4); Al Uwainah, 20.3.1985 (2).

Chrysomya marginalis (Wiedemann): Umm Said, 25.4.1983 (2); Umm Slal Mohammed, 12.4.1984 (1).

Lucilia cuprina Wiedemann: Doha, 20.9.1982 (2); Umm Said, 25.4.1983 (3); Al Wakrah, 17.4.1984 (3).

Lucilia sericata (Meigen): Doha, 22.4.1983 (2); Al Shahaniyah, 20.3.1985 (5).

F. SARCOPHAGIDAE

Sarcophaga carnaria (Linnaeus): Doha, 21.9.1982 (2); Al Amriyah, 3.9.1984 (2); Al Nasraniyah, 20.3.1985 (4).

Sarcophaga hirtipes Wiedemann: Umm Said, 25.4.1983 (5); Doha, 5.9.1984 (1); Al Shahaniyah, 20.3.1985 (1).

Sarcophaga haemorrhoidalis Fallen: Doha, 28.5.1983 (2); Al Wukair, 17.4.1984 (3); Rodat Al Faras, 11.3.1985 (2).

Wohlfahrtia indigena Villeneuve : Al Jumailiyah, 21.4.1983 (1); Rodat Rashed, 20.3.1985 (1).

Wohlfahrtia nuba (Wiedemann): Karaanah, 3.3.1983 (1); Doha, 30.9.1984 (1).

O. HYMENOPTERA

F. APIDAE

Apis fasciata Linnaeus: Doha, 7.10.1982 (2); Al Shahaniyah, 21.4.1983 (2); Rodat Rashed, 20.3.1985 (2); Sumaismah, 2.4.1985 (2).

Apis mellifera Linnaeus: Madinat Khalifa, 22.3.1983 (2); Al Shahaniyah, 21.4.1983 (3); Al Khor, 2.4.1985 (4).

Anthophora klugi Priesner: Rodat Rashed, 21.4.1983 (2); Al Khor, 2.4.1985 (1).

Anthophora albigena Lepeletier: Karaanah, 3.3.1983 (1); Al Shahaniyah, 20.3.1985 (2).

Colletes nanus Fr.: Doha, 5.5.1983 (2); Sumaismah, 2.4.1985 (1).

Xylocopa aestuans Linnaeus, Doha, 4.3.1983 (2); Al Khor, 2.4.1984 (5).

Xylocopa hottentota Smith: Al Shahaniyah, 21.4.1983 (3); Rodat Rashed, 20.3.1985 (3).

F. MEGACHILIDAE

Megachile sp., Al Khor, 2.4.1985 (2)

F. SPHECIDAE

Ammophila erminea Kohl: Al Shahaniyah, 21.4.1983 (2); Al Khor, 2.4.1985 (1).

Ammophila tydei Guill.: Doha, 3.3.1984 (1); Sumaismah, 2.4.1985 (1).

Eumenes campaniformis Fabricius: Al Khor, 2.4.1985 (2).

Liris haemorrhoidalis Fabricius: Al Zubarah, 11.3.1984 (1); Abu Samrah, 20.4.1984 (1).

Notogonidea nigrita Lepeletier: Al Shahaniyah, 21.4.1983; Doha, 5.4.1985 (1).

Notogonidea memnonia Smith: Al Khor, 2.4.1985 (2).

Sceliphron sp., Abu Samrah, 20.4.1984 (2).

Sphex niveatus Dufour: Rodat Rashed, 20.3.1985 (2).

Sphex albisectus Lepeletier: Doha, 4.5.1983 (1); Karaanah, 3.3.1984 (2).

F. POMPILIDAE

Cryptochilus discolor Fabricius: Al Khor, 2.4.1985 (1).

F. CHRYSIDIDAE

Hexachrysis sp., Doha, 9.4.1984 (1).

Stilbum sp., Al Khor, 2.4.1985 (1).

F. EVANIIDAE

Evania appendigaster Linnaeus, Doha, 4.9.1984 (2).

F. ICHNEUMONIDAE

Diplazon laetatorius Fabricius: Al Shahaniyah, 12.4.1983 (1).

Barylypa rufa Holmgren: Al Shahaniyah, 20.3.1985 (1).

Ophion sp., Doha, 20.4.1985 (2).

Enicospilus sp., Doha, 25.3.1985 (3).

F. CHALCIDIDAE

Brachymeria sp., Doha, 25.3.1985 (3).

F. BRACONIDAE

Bracon fastidiator Fabricius: Al Shahaniyah, 20.3.1985 (1).

F. SCOLIDAE

Dielis thoracicus collaris Fabricius, Al Khor, 22.4.1983 (9); Al Shahaniyah, 20.3.1985 (12); Abu Samrah, 20.5.1985 (7).

F. FORMICIDAE

Camponotus maculatus aegyptiacus Emery, Doha, 5.10.1982 (8); 3.4.1983 (6); Al Zubarah, 11.3.1984 (15); Al Khor, 2.4.1985 (7).

Camponotus arenarius F. var. *diabolus* Santchi, Doha, 2.5.1983 (5); Abu Samrah, 3.4.1984 (20); Al Shahaniyah, 20.3.1985 (7).

DISCUSSION

Until recently, little information on the entomofauna was available from Qatar. The present contribution revealed the presence of plant pests, parasites, predators as well as desertic insects, some of which are considered harmful. Results of the identification contribute to the knowledge of the faunal characteristics of various habitats.

Further excursions and expeditions will be carried out to obtain more detailed knowledge of this fauna from various biotopes.

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قائمة أولية عن الفونا الحشرية بدولة قطر

رضا محمد عبده و نجاة فريد شومر

هذه الدراسة تقرير أولي للفونا الحشرية بدولة قطر ، وقد بنى أساساً على الحشرات التي جمعت بوسائل الجمع المختلفة في فترة من نهاية عام ١٩٨٢م حتى منتصف عام ١٩٨٥م من بيئات مختلفة من دولة قطر . وهذه الحشرات تتمثل بـ ١٦٥ نوعاً تنتمي إلى ١٥٧ جنس من الرتب التالية :

ذات الذنب الشعري - ذباب مايو - الرعاشات - مستقيمة الأجنحة - جلدية الأجنحة -
رشبيقات الأجنحة - متساوية الأجنحة - الصراصير - فرس النبي - القمل الماص - نصفية
الأجنحة - شبكية الأجنحة - حرشفية الأجنحة - ذات الجناحين - غمدية الأجنحة وغشائية
الأجنحة .