

Ministry of Higher Education and Scientific Research

UNIVERSITY OF BAGHDAD

(August 1977)

Natural History Research Center

Publication No. 33

PHYTOPHAGOUS AND ENTOMOPHAGOUS INSECTS AND MITES OF IRAQ

by

AZIZ S. AL-ALI, M. S.



Ministry of Higher Education and Scientific Research

UNIVERSITY OF BAGHDAD

NATURAL HISTORY RESEARCH CENTER

Publication No. 33

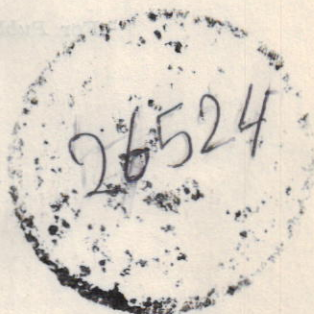
(August 1977)

PHYTOPHAGOUS AND ENTOMOPHAGOUS
INSECTS AND MITES OF IRAQ

by

AZIZ S. AL-ALI, M. S.

Entomologist, Division of Entomology,
Directorate-General of Plant Protection,
Abu-Ghraib, Baghdad, Iraq



Al-Zahra Press-Baghdad

944. *N. sareptanus* D. Same; Baghdad: May & July.

945. *N. viridulus* Spin. Same; Erbil: Aug.

REDUVIIDAE

946. *Reduvius annulipes* Reut. Adults and nymphs prey upon smaller Hemiptera; Baghdad: July.

HYMENOPTERA

AMPULICIDAE

947. *Ampulex assimilis* Kohl. Larvae are ecto- and endoparasites of cockroaches; Baghdad: March & May.

APHELINIIDAE

948. *Coccophagus lecanii* (Fitch). Larvae are parasitic on nymphs and adults of *Coccus hesperidum*; Baghdad: Oct; Ramadi: undated.

949. *Marietta (Perissopterus) picta* (Andre). Larvae are parasitic on female coccids; Baghdad: Oct.

APHIDIIDAE

950. *Aphidius funberis* Mackauer. Larvae are specialized parasites of nymphs and adults of the aphids *Dactynotus jaceae* and *D. sonchi*; Mosul: April & May; Erbil: July; Baghdad: Feb—June; Kerbala: April; Kut: March & April.

951. *A. matricariae* Haliday. Same on *Aphis* spp. and *Myzus persicae*; Mosul: May; Baghdad: March & April.

952. *A. rosae* Haliday. Same on *Macrosiphum rosae*; Mosul: May; Erbil: July.

953. *A. transcaspicus* Telenga. Same on *Longianguis Conacis* and *H. pruni*; Mosul: May; Erbil: July; Baghdad & Kut: April & May.

Insects & Mites of Iraq

954. *Diaeretiella rapae* McIntoch. Larvae are endoparasites of nymphs of *D. sonchi* and *B. brassicae*; Mosul: April, May & Sept—Nov; Baghdad, Kerbala & Basra: April.
955. *Lysiphlebus ambiguus* Haliday. Larvae are endoparasites of nymphs and adults of *A. fabae*, *A. gossypii*, *A. nerii* and *A. craccivora*; Baghdad, Kerbala, Kut, Amara & Basra: Feb—June.
956. *L. fabarum* Marshall. Same on *Aphis* spp. Mosul: May; Erbil: July; Baghdad: Feb—May.
957. *L. salicaphis* Fitch. Larvae are specialized parasites of the aphid *Chaitophorus* adults and nymphs; Mosul: May.
958. *L. thelaxis* Stary. Same on the aphid *Thelaxes suberis*; Mosul & Sulaimaniya: Oct; Erbil: July.
959. *Monoctonia pistaciaecola* Stary. Same on *Forda* and *Pemphigus* spp. ; Mosul: May & June; Erbil: July; Sulaimaniya: Aug—Nov.
960. *Praon abjectum* Haliday. Same on *Aphis* spp. ; Baghdad: April.
961. *P. exsoletum* Nees. Larvae are specialized parasites of the aphid *Therioaphis* and also of the moth *Phyllonorycter*; Baghdad: April.
962. *P. flavinode* Haliday. Larvae are specialized parasites of nymphs and adults of the aphid *Tuberculoides*; Erbil: July.
963. *P. volucre* Haliday. Same on *H. pruni*, *L. donacis* and *M. rosae*; Mosul: May; Erbil: July.
964. *Trioxys* sp. Same on *Aphis* sp., *A. parietariae* and *Brachycaudus* sp. Mosul: May.
965. *T. acalephae* Marshall. Same on *Aphis* sp. ; Mosul: May.
966. *T. angelicae* Haliday. Same on *A. craccivora*; *A. punicae*, *A. solanella*, *A. zizyphi* ; Mosul: May; Baghdad: April.

967. *T. pallidus* Haliday. Same on *Tuberculoides* sp. ; Mosul: May; Erbil: July.
 968. *T. quercicola* Stary. Same on *T. suberis*; Erbil: July.

BETHYLIDAE

969. *Sclerodermus* sp. Larvae are parasitic on coleopterous grubs and lepidopterous caterpillars.

BRACONIDAE

970. *Apanteles plaudicolae* Cam. Larvae are parasitic on lepidopterous larvae; most probably on *Pieris* spp. ; Baghdad: April.
 971. *Bracon (Microbracon) hebetor* Say. (= *Habrobracon kitchneri* Dudge & Gough).⁴ Larvae are ectoparasites of the moths *Earias insulana*, *Antigastra catalaunalis*, *Ephestia cautella*, *Plodia interpunctella* and *Hellula*; Baghdad & Basra: year-round.
 972. *B. nigripedator* Nees. Larvae are parasitic on larval weevils *Larinus griseus* and *L. syriacus*; Baghdad: June.
 973. *B. (Glabrobracon ?) urinator* F. Same; Baghdad: June.
 974. *Chelonus mutabilis* (Nees). Same on *S. littoralis*; Baghdad: Nov.
 975. *Macrocentrus* sp. Same; Baghdad: May.
 976. *Microplitis* sp. Same as above.
 977. *Opius* sp. Same on the fly *Phytomyza atricornis*; Middle & South: March—May.
 978. *Phanerotoma ocularis* Kohl. Same on lepidopterous larvae; Baghdad: May.
 979. *Rogas* spp. Same; Sulaimaniya: May: July.
 980. *R. bicolor* (Spin.). Same; Baghdad: undated.

Insects & Mites of Iraq

981. *Vipio* sp. Larvae are ectoparasites of tenthredinid wasps, cecidomyiid flies, Coleoptera and Lepidoptera; Diyala: April.

CHALCIDIDAE

982. *Brachymeria intermedia* Nees. Larvae are endoparasites of lepidopterous pupae; Baghdad: Nov & Dec.
983. *Dirhinus hesperidum* (Rossi). Larvae are ectoparasites of puparia of trypetid flies; Baghdad: undated.
984. *Prospaltella* sp. Larvae are parasitic on aleurodid nymphs; Baghdad: summer.

CHRYSIDIDAE

985. *Chrysis blanchardi* Luc. Larvae are ectoparasitic on mature larvae of megachilid bees and vespoid wasps; Baghdad: Nov; Amara: Sept.
986. *C. buxtoni* Morice. Same; Amara: June & Aug.
987. *C. cyanopyga* Dahlb. Same; Basra: April.
988. *C. exigua* Mocs. Same; Amara: April & June.
989. *C. fuscipennis* Brull. Same; Amara: Oct.
990. *C. interjecta* Lins. Same on larvae of the beetle *Octodesmus*; Mosul: May.
991. *C. maculicornis* Kl. Same on mature larvae and prepupae of megachilid bees and vespoid wasps; Amara: June & Aug.
992. *C. palliditarsis* Spin. Same; Amara: June.
993. *C. scutellaris* F. Same; Amara: Sept.
994. *C. (Hexachrysis) stilboides* Spin. Same; Amara: Aug.
995. *Hedychridium hilare* Morice. Same; Amara: June.

Aziz S. Al-Ali

996. *Omalus* sp. Same; Baghdad: March.

997. *Stilbum cyanurum* Forster. Same; Amara: undated.

DRYINIDAE

998. *Dryinus* sp. Adults prey upon cicadellids; larvae are parasitic on nymphs and adults.

ENCYRTIDAE

999. *Achrysopophagus aegyptiacus* Mercet. Larvae are endoparasites of *N. vastator* females; Baghdad: Aug.

1000. *Anagyrus* sp. Same; Baghdad: March—Oct.

1001. *A. bohemani* Westwood. Same; Baghdad: March—Oct.

1002. *A. diversicornis* Mercet. Same; Baghdad: March—Oct.

1003. *A. pseudococci* (Girault). Same; Baghdad: March—Oct.

1004. *Cheiloneurus* sp. Secondary parasites on same; Baghdad: March—Oct.

1005. *Procheiloneurus aegyptiacus* Mercet. Larvae are endoparasites of *N. vastator* females; Baghdad: July.

EULOPHIDAE

1006. *Achrysocharella formosa* (Westwood). Larvae are endoparasitic on *vastator* females; Baghdad: July.

1007. *A. orientalis* Ferr. Larvae are hyperparasites of leaf-mining beetles through larvae or pupae of the primary eulophid host; Baghdad: April.

1008. *Aphelinus mali* Hald. Larvae are endoparasitic in nymphs and adults of the aphid *Eriosoma lanigerum*; Diyala & Baghdad: undated.

1009. *A. mytilaspidis* Le Baron. Same on aphids.

Insects & Mites of Iraq

1010. *Cirrospilus* sp. Hyperparasite of lepidopterous pupae through its primary braconid and ichneumonid hosts; Baghdad: April.
1011. *Diglyphus* sp. Larvae are endoparasitic in larval *P. atricornis*; Baghdad: May.
1012. *Euplectrus* sp. Same *Spodoptera*; Sulaimaniya: Aug.
1013. *Pediobius acantha* (Walk.). Same on *P. atricornis*; Baghdad: Jan & Feb.
1014. *P. (Pleurotropis) epilachnae* Ronwer. Same on the beetle *Epilachna chrysomelina*; North & Middle: Jan—June & Aug—Dec.
1015. *Tetrastichus* sp. Larvae are endoparasitic on females of *N. vastator*; Baghdad: July.

EVANIIDAE

1016. *Evania dimidiata* F. Larvae are parasitic on eggs of cockroaches; Baghdad: Aug—Nov.

FORMICIDAE

1017. *Cataglyphis* sp. Adults (workers) collect larvae of *E. insulana*.
1018. *C. bicolor* (F). Workers probably prey upon nymphs of the bug *Eurygaster integriceps*; Diyala: March; Baghdad: March, April & Oct—Jan.
1019. *Monomorium salomonis* L. Adults feed on sugary food; workers collect larvae of *E. insulana*; Kirkuk: April.
1020. *Pheidole megacephala* F. Workers collect larvae of fruit flies; Baghdad: April.

ICHNEUMONIDAE

1021. *Campoplex* sp. Larvae are probably parasitic on larval moth *Laphygma*; Baghdad: Feb. & April.
1022. *Diplazon laetatorius* (F). Females feed on contents of fresh eggs of syrphid flies and oviposit on embryonated eggs; larvae are parasitic in host larvae resulting from these eggs; Basra: Feb. & April.
1023. *Ephialtes* sp. Larvae are endoparasites of lepidopterous, coleopterous and hymenopterous larvae.
1024. *Mesochorus* sp. Larvae are hyperparasites of Braconidae and other Ichneumonidae.
1025. *Ophion* sp. Larvae are endoparasites of scarabaeid larvae; Baghdad: Feb.
1026. *Pimpla* sp. Same on the larvae of the vespid wasp *Odynerus*; Baghdad: undated.

LARRIDAE

1027. *Palarus fabius* Nurse. Larvae prey upon adult bees and wasps.

MEGACHILIDAE

1028. *Coelioxys* sp. Larvae kill larvae of *Megachile* spp.

MUTILLIDAE

1029. *Ephutomma syriaca* Andre. Females attack adult bees and suck their body fluids; Baghdad: Aug.
1030. *Mutilla* sp. Larvae are ectoparasites of mature larvae and pupae of bees.

MYZINIDAE

1031. *Myzine arabica* Guer. Larvae are ectoparasititic on scarabaeid larvae.

Insects & Mites of Iraq

POMPILIDAE (PSAMMOCHARIDAE)

1032. *Pompilus* sp. Larvae are ectoparasitic on spiders.

1033. *Psammochaeres* sp. Same as above.

PTEROMALIDAE

1034. *Halticoptera* sp. Larvae are endoparasitic on *P. atricornis* larvae; Baghdad: Jan & Feb.

1035. *Pachyneuron* sp. Larvae are endoparasites of *N. vastator* females; Baghdad: March—Oct.

1036. *Sphegigaster* sp. Same on *P. atricornis* larvae; Baghdad: Jan & Feb.

1037. *Thinodytes cyzicus* (Walk.). Same; Baghdad: Jan & Feb.

SCELIONIDAE

1038. *Telenomus* sp. Larvae are egg parasites of *E. integriceps*.

1039. *Trissolcus* (*Asolcus*) *grandis* (Thaus.). Same as above.

1040. *T. semistriatus* (Nees). Same as above.

1041. *T. vassilievi* (Mayr.). Same; unlocated: May.

SCOLIIDAE

1042. *Campsomeris thoracica* (Klug). Larvae are parasitic on scarabaeid grubs; Baghdad, Ramadi & Hilla: Nov.

SIGNIPHORIDAE

1043. *Chartocerus* sp. Larvae are parasitic on *N. vastator* females; Baghdad: July.

1044. *C. (Xana) kurdiumovi* (Nikolskaya). Same; Baghdad: Aug.

SPHECIDAE

1045. *Ammophila tydei* Guill. Larvae are parasitic on lepidopterous larvae; Baghdad: Dec.
1046. *Cercers* spp. Larvae are parasitic on adult solitary bees; Baghdad: Nov.
1047. *Chalybion bengalense* (Dahlb). Same on spiders; Baghdad: May.
1048. *Chlorion* spp. Same on Orthoptera; Baghdad: March & Dec.
1049. *Larra* sp. Larvae are ectoparasitic on *Gryllotalpa* adults and nymphs; Baghdad & Mosul: summer.
1050. *Liris haemorrhoidalis* Kohl. Larvae are parasitic on adult field crickets; Baghdad: Nov—March.
1051. *Notogonia* (*Notogonidea*) *subtesselata* Smith. Same as above.
1052. *Oxybelus* sp. Same; Baghdad: March; Basra: undated.
1053. *Philanthus abdulkader* Lep. Same on honey bee *Apis mellifera*; Baghdad: Nov.
1054. *Podium* sp. Same on Orthoptera.
1055. *Sceliphron* spp. Same on spiders; Diwaniya: Aug & Nov.
1056. *Spheg* sp. Same on large Orthoptera.
1057. *Stizus* spp. Same on Orthoptera; Diyala: summer.
1058. *Tachytes* spp. Same on field crickets; Baghdad: Nov.

TORYMIDAE

1059. *Ditropinotus aureoviridis* Cwf. Larvae are ectoparasitic on mature larvae of the eurytomid wasp *Harmolita tritici*; Baghdad: May.
1060. *Paraholaspis conthurrata* Masi. Same on the trypetid fly *Acanthiophilus helianthi*; Baghdad: June.

Insects & Mites of Iraq

VESPIDAE

1061. *Vespa orientalis* L. Adults prey upon lepidopterous larvae and workers of honey bee *A. mellifera* (cf. 532); Erbil: July; Diyala: April & Dec; Baghdad: Feb, May & Oct—Jan; Ramadi: Sept—Nov; Kut: June—Oct; Kerbala: Nov; Hilla & Diwaniya: Jan & Oct.

NEUROPTERA

CHRYSOPIDAE

1062. *Chrysopa* sp. Larvae prey upon eggs and nymphs of *N. vastator*; Baghdad: undated.
1063. *C. carnea* Steph. Larvae prey upon live aphids *H. pruni* and their endoparasites, eggs of *E. integriceps*, immature stages of the moth *Laspeyresia*, and upon *N. vastator*; Baghdad: March & April; autumn.
1064. *C. vulgaris* Schneider. Larvae prey upon different stages of aphids, jassids, psyllids, coccids, thrips and mites.

HEMEROBIIDAE

1065. *Wesmaelius* sp. Same on aphids, smaller Homoptera and mites; Mosul: April.

MYRMELEONTIDAE

1066. *Myrmecaelurus trigrammus* Pallas. Larvae prey upon ants.
1067. *Neuroleon arenarius* Navas. Same as above.

NEMOPTERIDAE

1068. *Halter halteratus* Forsk. Same on Psocoptera and other small insects.
1069. *Olivieria extensa* Oliv. Same as above.

الحشرات والحلم العراقية النباتية والمفترسة والطفيلية

عزيزي العلي

مختص بعلم الحشرات

قسم الحشرات - مديرية وقاية المزروعات العامة

ابو غريب - بغداد - العراق

رقم الايداع في المكتبة الوطنية

بغداد ٣١٣ لسنة ١٩٧٧

مطبعة الزهراء - بغداد

٧٠٠ - ١٩٧٧/١١/١٣



وزارة التعليم العالي والبحث العلمي

جامعة بغداد

آب ١٩٧٧

مركز بحوث التاريخ الطبي

نشرة رقم ٣٣

الحشرات والحلم العراقية
النباتية والمفترسة والطفيلية

وصح

عزيز العلي

