

NEW RECORDS OF THYSANOPTERA FROM ISRAEL\*

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ABSTRACT

Sixteen species of Thysanoptera new to the Israeli fauna are recorded.

KEY WORDS: Thysanoptera, new records, Israel.

INTRODUCTION

A check list of 90 species of Thysanoptera recorded in Israel was published by Halperin and zur Strassen (1981). To this list three species already recorded have to be supplemented: *Haplothrips cahirensis* (Trybom) recorded by Bodenheimer (1937), *Frankliniella occidentalis* (Pergande) recorded by Argaman et al. (1989) and Halperin et al. (1989), and *Hercinothrips bicinctus* (Bagnall) recorded by Halperin et al. (1989).

In the present list, sixteen species, new to the Israeli fauna, are recorded. In the section "Hosts" host plants or arthropod prey is given. The section "Material examined" includes data on collections made by the second author, unless stated otherwise. The specimens were identified by the first author and deposited in Forschungsinstitut Senckenberg and in the Volcani Center. The abbreviations used for the regions of Israel are: AV = Arava Valley, CN = Central Negev, CP = Coastal Plain, DS = Dead Sea region, GH = Golan Heights, JM = Judean Mountains, MH = Mt. Hermon, NN = Northern Negev, Sa = Samaria, SN = Southern Negev, UG = Upper Galilee, YV = Yizre'el Valley.

NEW RECORDS

**Aeolothripidae**

1. *Aeolothrips ericae* Bagnall

**DISTRIBUTION.** Western Palaearctic; in the eastern Mediterranean recorded from Turkey, Cyprus and Greece.

**HOSTS.** Various plant species, especially Fabaceae (=Papilionaceae).

**MATERIAL EXAMINED.** Neve Ativ (GH), 1 ♀, *Spartium junceum* L. (Papilionaceae), 25.V.83; Qiryat Anavim(JM), 1 ♂ 3 ♀, *Acacia saligna* Wendl. (Mimosaceae), 27.iii.85; Jerusalem, 3 ♀, *Calycotome villosa* (Poir.) Link (Papilionaceae), 8.iv.88; Bat Shelomo (Sa), 6 ♀, *C. villosa*, 24.ii.89; Nes Ziyona (CP), 1 ♀, *Retama raetam* Webb (Papilionaceae), 25.i.89.

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### 2. *Aeolothrips tenuicornis* Bagnall

DISTRIBUTION. Southwestern Palaearctics; particularly in the Mediterranean area, also in Iran and the Arabian Peninsula.

HOSTS: Various plant species, mostly annual herbs; occasionally also ligneous species.

MATERIAL EXAMINED. Neve Ativ (MH), 2 ♀, flowers of *Spartium junceum* L., 25.v.83; Makhtesh Ramon (CN), 1 ♀, *Lycium shawii* (Solanaceae), 30.iii.88; Sede Boqer (CN), 2 ♀, flowers of *Acacia* sp., 24.x.88; Atlit (CP), 3 ♀, *Amygdalus communis* L. (Rosaceae), 24.ii.89; Bat Shelomo (Sa), 3 ♀, *Calycotome villosa*, 24.ii.89.

### 3. *Aeolothrips wittmeri* Priesner

DISTRIBUTION. Egypt. The record from the Crimean Peninsula (Djadetchko, 1964) needs verification.

HOSTS: *Retama raetam* Webb, *Zilla spinosa* (L.) Prantl (Cruciferae), *Zygophyllum coccineum* L. (Zygophyllaceae).

MATERIAL EXAMINED. Qetura (AV), 1 ♂ 1 ♀, Yotvata (AV), 1 ♂ 12 ♀, Elat (AV), 3 ♂ 9 ♀, 18.ii.89; Qetura, 1 ♀, 22.iii.89; Shizafon (AV), 1 ♀, Nahal Hiyon (SN), 2 ♂ 3 ♀, 17.iii.88 (Coll. Y. Ben-Dov); on *Zilla spinosa*.

### 4. *Rhipidothrips brunneus* Williams

DISTRIBUTION. Holarctic; in the eastern Mediterranean known from Greece and Egypt.

HOSTS: Various grasses.

MATERIAL EXAMINED. Mikhmoret (CP), 1 ♀ brachypterous, herbaceous vegetation, 15.v.1981 (Coll. Q. Argaman); Nes Ziyona (CP), 1 ♀ brachypterous, 4.ii.89, *Urtica* sp. (Urticaceae).

## Thripidae

### 5. *Dendrothrips phyllireae* Bagnall

DISTRIBUTION. Mediterranean, including Iran.

HOSTS: Mostly *Phillyrea* spp. (Oleaceae), but also *Ligustrum* sp. (Oleaceae) and *Zizyphus spina-christi* (L.) Desf. (Rhamnaceae).

MATERIAL EXAMINED: Nahal Amud (UG), 1 ♀, *Z. spina-christi*, 23.x.85.

### 6. *Florithrips traegardhi* (Trybom)

DISTRIBUTION. Bangladesh, southern India, Egypt, Sudan, Morocco and Senegal.

HOSTS. Many plant species; often *Acacia* spp., *Punica granatum* L. (Punicaceae) and various Gramineae.

MATERIAL EXAMINED. Sede Boqer (CN), 2 ♂ 54 ♀, flowers of *Acacia* sp., 24.x.88.

### 7. *Frankliniella intonsa* (Trybom)

DISTRIBUTION. Japan, Siberia, Bangladesh, Pakistan, Europe and British Columbia (perhaps introduced).

HOSTS. Many plant species, including ligneous ones.

MATERIAL EXAMINED: Hula Valley, 1 ♀, *Pistacia palaestina* Boiss. (Anacardiaceae), 25.v.83.

#### 8. *Limothrips angulicornis* Jablonowski

DISTRIBUTION. Western Palaearctic; in the eastern Mediterranean recorded from Turkey, Bulgaria, Greece and Egypt.

HOSTS. Grasses, mostly *Hordeum* spp. (Gramineae).

MATERIAL EXAMINED: Telalim (NN), 1 ♀, grasses, 28.iv.88.

#### 9. *Odontothrips confusus* Priesner

DISTRIBUTION. Euro-Siberian; in the eastern Mediterranean recorded from Turkey, Bulgaria, Greece and Egypt.

HOSTS. Various Fabaceae (=Papilionaceae) including ligneous ones, but preferably on *Medicago* spp.

MATERIAL EXAMINED. Ilanot (CP), 26 ♀, flowers of *Calycotome villosa* (Poir.) Link, 1.iii.85, and 1 ♀, *Acacia saligna* Wendl., 9.iv.85.

#### 10. *Oxythrips claripennis* Priesner

DISTRIBUTION. Cyprus, Morocco and Canary Islands.

HOSTS. *Lycium* spp., *Withania* spp. (Gramineae).

MATERIAL EXAMINED: Be'er Mash'abim (NN), 2 ♂ 23 ♀, Shivta (CN), 3 ♂ 33 ♀, Makhtesh Ramon (CN), 5 ♂ 53 ♀, *Lycium shawii*, 29-31.iii.88; Atlit (CP), 1 ♀, *L. europaeum* L.

#### 11. *Retamothrips retamae* (Priesner)

DISTRIBUTION. Egypt and Spain.

HOSTS. Mainly *Retama raetam* Webb.

MATERIAL EXAMINED. Revivim (NN), 6 ♀, 18.ii.86, Be'er Mash'abim (NN), 1 ♂ 15 ♀, Telalim (NN), 3 ♂ 6 ♀, Shivta (CN), 2 ♀, Nizzana (CN), 4 ♀, Makhtesh Ramon (CN), 2 ♀, 29-31.iii.88; *R. raetam*.

#### 12. *Scolothrips longicornis* Priesner

DISTRIBUTION. Western Palaearctic; in the eastern Mediterranean known from Turkey, Greece and Egypt.

HOSTS. Predacious; feeding on tetranychid mites.

MATERIAL EXAMINED. Neve Ya'ar (YV), 1 ♀, 5 larvae, 27.xii.82, 2 ♂ 18 ♀ 5 larvae, viii.83, *Gossypium hirsutum* L. (Malvaceae); 2 ♂ 2 ♀ 10 larvae, *Malus sylvestris* Mill. (Rosaceae), 21.viii.83 (Coll. N. Plaut); Bet Dagan (CP), 1 ♂ 5 ♀, *Ricinus communis* L. (Euphorbiaceae), 30.xii.83 (Coll. S. Amitai).

13. *Tamaricothrips tamaricis* (Bagnall)

DISTRIBUTION: Jordan, Egypt, Bulgaria, southern France, Spain and Morocco.

HOSTS: *Tamarix* spp. (Tamaricaceae).

MATERIAL EXAMINED: En Avdat (CN), 3 ♀, *Tamarix* spp., 31.iii.88.

## Phlaeothripidae

14. *Haplothrips ochradeni* Priesner

DISTRIBUTIONS. Saudi Arabia and Egypt.

HOSTS. *Ochradenus baccatus* Del. (Resedaceae)

MATERIAL EXAMINED. Makhtesh Ramon (CN), 1 ♀, *O. baccatus*, 30.iii.88.

15. *Holandrothrips bidens* (Bagnall)

DISTRIBUTION. Western Palaearctic; in the Mediterranean recorded from Greece, Albania, southern France and Spain; introduced into New Zealand.

HOSTS. Dead branches, from mostly deciduous trees, infested by fungi.

MATERIAL EXAMINED. Ilanot (CP), 1 ♂, *Calycotome villosa* (Poir.) Link, 1.iii.85.

16. *Leptothrips karnyi* Trybom

DISTRIBUTION. Saudi Arabia, Egypt and Sudan.

HOSTS. Several *Acacia* species.

MATERIAL EXAMINED. Nahal Paran (AV), 2 ♀, *A. raddiana* Savi, 16.ii.89; Yotvata (AV), 1 ♂ 1 ♀, *A. tortilis* (Forssk.) Hayne, 19.iv.89; En Gedi (DS), 3 ♂ 14 ♀, *A. raddiana*, 25.iii.89; Nahal Hiyon (SN), 5 ♂ 12 ♀, *A. negevensis* Zohari, 17.iii.88 (Coll. Y. Ben-Dov).

REMARK. This species, described in 1911, has to be placed in another genus. It is in no way conspecific with the southern Ethiopian *Dolicholepta karnyi* (Faure, 1925) as has been stated recently (Johansen, 1987).

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