

## **AN INDEXED BIBLIOGRAPHICAL CHECKLIST OF THE HARVESTMEN (ARACHNIDA: OPILIONES) OF IRELAND, 1836-2020**

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### **Abstract**

A bibliography relating to Ireland's harvestmen is presented which can be searched for species, vice-counties, habitats and some other topics.

**Keywords:** Arachnida, Opiliones, harvestmen, Ireland, bibliography, distribution, habitats.

### **Introduction**

The following comprises a bibliography referring to the occurrence of harvestmen (Opiliones) in Ireland. The bibliography can be searched for species, vice-counties and some other topics. The opportunity is taken to provide an updated vice-county list for each species and to summarise offshore island records. The first published record for each species appears in **bold** print, with misidentifications and other errors indicated by being placed in brackets (). Synonyms which appear in the Irish literature are also included. Two articles (2 and 35), while not strictly relevant, are included for completeness sake.

Records contained in Templeton (1836), having been overlooked by all subsequent authors are included. These represent the first Irish records for harvestmen, and the first published records for *Phalangium opilio* (Linnaeus, 1758) and *Leiobunum rotundum* (Latreille, 1798) from these islands. Nine of the species listed cannot however be resolved with modern nomenclature, and some of these names are in any event question marked.

Of the nineteen species of harvestmen recorded from Ireland nine are widespread and common. These are *Nemastoma bimaculatum* (Fabricius, 1775), *Oligolophus tridens* (C. L. Koch, 1836), *Paroligolophus agrestis* (Meade, 1855), *Mitopus morio* (Fabricius, 1799), *Phalangium opilio* (Linnaeus, 1758), *Platybunus triangularis* (Herbst, 1799), *Leiobunum rotundum* (Latreille, 1798), *Leiobunum blackwalli* Meade, 1861 and *Nelima gothica* Lohmander, 1945. Six species, *Anelasmacephalus cambridgei* (Westwood, 1874), *Oligolophus hansenii* (Krapelin, 1896), *Lacinius ephippiatus* (C. L. Koch, 1835), *Opilio saxatilis* C. L. Koch, 1839, *Opilio parietinus* (De Geer, 1778) and *Megabunus diadema* (Fabricius, 1779) also occur widely but are more local. There are few records for *Mitostoma chrysomelas* (Hermann, 1804), which is likely to be the most under-recorded species. The alien *Dicranopalpus ramosus* (Simon, 1909) has greatly expanded its range and is now widespread. Another alien *Odiellus*

*spinus* (Bosc, 1792) persists in Sligo Docks in very small numbers. Only time will tell to what extent the last addition to the fauna, *Platybunus pinetorum* C. L. Koch, 1839 will increase its range here.

### **Irish vice-county records for harvestmen**

I use the vice-county rather than county divisions following the approach of Pack-Beresford (1926). Since the publication of Cawley (2002) a fair number of new vice-county records have been generated, especially involving *Anelasmacephalus cambridgei* and *Dicranopalpus ramosus* but also *Oligolophus tridens*, *O. hanseni* (Krapelin, 1896), *Opilio saxatilis*, *Megabunus diadema* and *Nelima gothica*. Unpublished records are indicated in updated vice-county lists by appearing in **bold** print. A small number of published county records cannot be resolved to vice-county level, the most notable being *Mitostoma chrysomelas* from Co. Donegal Sankey (1951).

### **Irish offshore island records for harvestmen**

Harvestmen have been recorded from 19 Irish offshore islands. These are Scariff, Valentia, Begenish, Inishvickillane, Great Blasket and Magherees (South Kerry), Cape Clear, Sherkin and Dursey (West Cork), Inishmore (vice-county Clare), Inishmacdara and Inishbofin (West Galway), Dalkey, Lambay and Ireland's Eye (Dublin). Caher and Clare Island (West Mayo), Inishmurray (Sligo) and Tory (West Donegal). I take Bristowe (1931) records from Degenish to refer to Begenish. Offshore island records are listed separately below under each species account.

### **Acknowledgements**

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### **Index to the bibliography 1: species**

#### **NEMASTOMATIDAE**

##### ***Nemastoma bimaculatum* (Fabricius, 1775)**

Synonyms: *Nemastoma lugubre* C. L. Koch, 1836; *Phalangium bimaculatum* Fabricius, 1775

Irish bibliography: 6, 10, 12, 13, 15, 16, 20, 21, 22, 23, 25, 26, 28, 29, 30, 32, 37, 38, 39, 40, 43, 44, 45, 46, 50, 54, 55, 56, 58, 60, 68, 69, 70, 71, **74**.

##### ***Nemastoma bimaculatum* var. *unicolor* Roewer, 1914**

Irish bibliography: **6**, 23, 26, 30.

Offshore island records: Inishvickillane, Cape Clear, Sherkin, Inishmore, Ireland's Eye, Lambay, Clare Island, Inishmurray, Tory.

Vice-county checklist: recorded from all Irish vice-counties, H01-H40.

##### ***Mitostoma chrysomelas* (Hermann, 1804)**

Synonym: *Nemastoma chrysomelas* (Hermann, 1804)

Irish bibliography: 16, 23, 25, 26, 30, 31, 38, 39, 50, **58**, 67, 68, 69, 70.

Vice-county checklist: H01, H02, H06, H07, H10, H12, H13, H14, H20, H23 and H33.

#### **TROGULIDAE**

##### ***Anelasmacephalus cambridgei* (Westwood, 1874)**

Irish bibliography: 25, 26, 27, 30, 38, 53, 65, **69**.

Vice-county checklist: H01-H06, H08-H10, H12, H14, H17, **H18**, H19-H22, H25-**H26**, H28, H30, H32, H34, H35.

#### **PHALANGIIDAE**

##### ***Oligolophus tridens* (C. L. Koch, 1836)**

Synonym: *Acantholophus tridens* (C. L. Koch, 1836)

Irish bibliography: 6, 7, 12, 16, 18, 20, 21, 22, 23, 25, 26, 28, 29, 30, 38, 39, 44, 46, 50, 53, 54, 58, **60**, 68, 70.

Offshore island records: Lambay, Clare Island, Tory.

Vice-county checklist: **H30**. Now recorded from all Irish vice-counties, H01-H40.

***Oligolophus hanseni* (Krapelin, 1896)**

Irish bibliography: 16, 25, 26, 30, 38, 39, 46, **59**, 63, 67, 68, 70.

Vice-county checklist: H02, H08, H09, H11, H13, H15, H19, **H21**, H22, H23, H25, **H26**, H30, H32-H34, H36-H38 and H40.

***Paroligolophus agrestis* (Meade, 1855)**

Synonyms: *Acantholophus agrestis* Meade, 1855; *Oligolophus agrestis* Meade, 1855

Irish bibliography: 12, 16, **20**, 23, 24, 25, 26, 28, 29, 30, 37, 38, 39, 46, 50, 55, 58, 68, 70.

Offshore island records: Cape Clear, Sherkin, Inishmore, Clare Island, Tory.

Vice-county checklist: recorded from all Irish vice-counties, H01-H40.

***Lacinius ehippiatus* (C. L. Koch, 1835)**

Synonyms: *Acantholophus ehippiatus* C. L. Koch, 1835; *Oligolophus ehippiatus* C. L. Koch, 1835

Irish bibliography: **3**, 12, 16, 20, 25, 26, 28, 30, 34, 38, 39, 49, 50, 53, 55, 58, 68, 70, 71.

Offshore island records: Inishmore, Clare Island.

Vice-county checklist: H01, H03-H06, H08-H10, **H11**, **H12**, H13-H15, **H16**, H17, H18, H20, H21, H23, H25-H29, H32-H35 and H39.

***Odiellus spinosus* (Bosc, 1792)**

Irish bibliography: 26, **30**, 72.

Vice-county checklist: H28.

***Mitopus morio* (Fabricius, 1799)**

Synonyms: *Acantholophus morio* Fabricius, 1799; *Oligolophus morio* Simon, 1879

Irish bibliography: 8, 10, 11, 12, 15, 16, **18**, 20, 21, 22, 23, 25, 26, 28, 29, 30, 34, 38, 39, 40, 44, 46, 50, 54, 55, 57, 58, 68, 70, 71.

***Mitopus morio* var. *ericaeus* Jennings, 1982**

Synonyms: *Mitopus alpinus* Herbst, 1799; *Oligolophus alpinus* Herbst, 1799; *Oligolophus morio* var. *alpinus* Herbst, 1799

Irish bibliography: 8, 15, 16, 20, 23, 26, 30, 38, 39, 40, 54, 58, 68, **71**.

Offshore island records: Cape Clear, Dursey, Sherkin, Inishmore, Inishmacdara, Lambay, Caher, Clare Island, Tory.

Vice-county checklist: recorded from all Irish vice-counties, H01-H40.

***Phalangium opilio* (Linnaeus, 1758)**

Synonym: *Phalangium cornutum* De Geer, 1778

Irish bibliography: 1, 9, 12, 15, 16, 18, 19, 20, 21, 22, 23, 25, 26, 28, 29, 30, 36, 37, 38, 39, 43, 44, 45, 46, 50, 54, 55, 58, 61, 68, 70, 73, **74**.

Offshore island records: Scariff, Beginish, Inishvickillane, Magherees, Cape Clear, Sherkin, Inishmore, Inishmacdara, Dalkey, Lambay, Clare Island, Inishmurray, Tory.

Vice-county checklist: recorded from all Irish vice-counties, H01-H40.

***Opilio parietinus* (De Geer, 1778)**

Synonym: *Phalangium parietinum* De Geer, 1778

Irish bibliography: 5, 16, 23, 25, 26, 30, 38, 39, (50), 53, (55), 58, 66, 67, 68, 70, 72.

Vice-county checklist: H04-H08, H12, H13, H15-H17, H19-H23, H25, H28, H29, H33, and H35-H40.

***Opilio saxatilis* C. L. Koch, 1839**

Synonym: *Phalangium saxatilis* (C. L. Koch, 1839)

Irish bibliography: 4, 16, 21, 23, 24, 25, 26, 30, 38, 39, 49, 50, 53, 58, 62, 66, 67, 68, 70.

Offshore island records: Sherkin.

Vice-county checklist: H01-H07, H09-H14, H18-H23, H25, H27, H28, H31, **H34**, and H38.

***Megabunus diadema* (Fabricius, 1779)**

Synonym: *Megabunus insignis* Meade, 1855

Irish bibliography: 12, 14, 15, 16, 20, 22, 23, 25, 26, 28, 29, 30, 38, 39, 43, 44, 45, 46, **47**, 50, 55, 56, 58, 60, 64, 68, 71.

Offshore island records: Inishmore, Inishmacdara, Inishbofin, Clare Island, (Aranmore).

Vice-county checklist: H01-H04, H06, H08-H21, H23, **H24**, H25-H39.

***Platybunus triangularis* (Herbst, 1799)**

Synonyms: *Platybunus corniger* Hermann, 1804, *Rilaena triangularis* (Herbst, 1799)

Irish bibliography: 12, 13, 15, 16, 20, 23, 25, 26, 28, 29, 30, 31, 32, 38, 39, 43, 44, 45, 46, 55, 58, **60**, 68, 69, 70.

Offshore island records: Scariff, Inishmore, Clare Island.

Vice-county checklist: recorded from all Irish vice-counties, H01-H40.

***Platybunus pinetorum* C. L. Koch, 1839**

Irish bibliography: **33**.

Vice-county checklist: H39.

## LEIOBUNIDAE

***Dicranopalpus ramosus* (Simon, 1909)**

Irish bibliography: **24**, 25, 26, 28, 30, 38, 41, 46, 51, 52, 53, 72.

Offshore island records: As of yet not recorded from any offshore island.

Vice-county checklist: H01-H09, H11-H14, **H15**, H16, **H18**, **H19**, H20-H22, **H23**, H25, **H27**, H28, **H29**, **H30**, **H34**, H35, H39.

***Leiobunum rotundum* (Latreille, 1798)**

Synonym: *Phalangium rotundum* Latreille, 1798

Irish bibliography: 12, 14, 16, 18, 19, 20, 22, 23, 25, 26, 28, 29, 30, 38, 39, 44, 46, 50, 55, 58, 64, 68, 70, 71, **74**.

Offshore island records: Cape Clear, Sherkin, Inishmore, Inishmacdara, Lambay, Clare Island. Absent from Tory.

Vice-county checklist: recorded from all Irish vice-counties, H01-H40.

***Leiobunum blackwalli* Meade, 1861**

Irish bibliography: **7**, 12, 14, 15, 16, 20, 23, 24, 25, 26, 28, 30, 31, 38, 39, 42, 49, 50, 55, 58, 68, 70.

Offshore island records: Valentia, Cape Clear. Absent from Clare and Tory islands.

Vice-county checklist: recorded from all Irish vice-counties, H01-H40.

***Nelima gothica* Lohmander, 1945**

Synonym: *Nelima silvatica* (Simon, 1879)

Irish bibliography: 12, **16**, 17, 25, 26, 28, 29, 30, 31, 34, 38, 39, 49, 50, 53, 67, 68, 70.

Offshore island records: Great Blasket, Cape Clear, Sherkin, Inishmore, Clare Island, Inishmurray, Tory.

Vice-county checklist: recorded from all Irish vice-counties except H18 (Offaly), H37 (Armagh) and H40 (Derry).

**Additional taxa mentioned in the literature**

***Phalangium annulipes***

74.

***Phalangium armatum***

74.

***Phalangium hispidum* ? Hermann**

74.

***Phalangium longipes* ? Hermann**

74.

***Phalangium minutum* Meade, 1855**

48.

***Phalangium nigripalpe***

74.

***Phalangium pusillum***

74.

***Phalangium spinulosum* ? Hermann**

74.

***Phalangium tricuspidum* ? Dufour**

74.

***Phalangium trispiniferum***

74.

**Index to the bibliography 2: vice-counties**

**South Kerry (H01)**

15, 16, 19, 25, 26, 27, 38, 39, 40, 43, 44, 45, 51, 58, 61, 63, 68, 69, 71.

**North Kerry (H02)**

15, 25, 26, 38, 39, 51, 58, 68.

**West Cork (H03)**

15, 16, 17, 25, 26, 27, 38, 39, 44, 51, 58, 68.

**Mid Cork (H04)**

25, 26, 27, 38, 39, 51, 68.

**East Cork (H05)**

25, 26, 38, 39, 51, 58, 68, 70.

**Waterford (H06)**

3, 16, 25, 26, 38, 39, 51, 53, 58, 68, 70.

**South Tipperary (H07)**

25, 26, 38, 39, 45, 51, 58, 68.

**Limerick (H08)**

16, 25, 26, 27, 38, 39, 51, 58, 68, 70.

**Clare (H09)**

16, 17, 18, 25, 26, 27, 38, 39, 43, 45, 46, 51, 58, 64, 66, 68, 70.

**North Tipperary (H10)**

26, 27, 38, 39, 58, 68.

**Kilkenny (H11)**

16, 25, 26, 38, 39, 51, 58, 68, 70.

**Wexford (H12)**

16, 24, 25, 26, 27, 38, 39, 51, 58, 68, 70.

**Carlow (H13)**

16, 23, 25, 26, 38, 39, 51, 55, 58, 59, 63, 68, 70.

**Laois (H14)**

16, 25, 26, 27, 38, 39, 50, 51, 58, 68, 70.

**South-east Galway (H15)**

25, 26, 34, 38, 39, 58, 68.

**West Galway (H16)**

16, 18, 25, 26, 38, 39, 41, 45, 51, 58, 68.

**North-east Galway (H17)**

25, 26, 38, 39, 58, 68.

**Offaly (H18)**

16, 25, 26, 37, 38, 39, 58, 68, 70.

**Kildare (H19)**

14, 16, 25, 26, 27, 34, 37, 38, 39, 58, 68, 70.

**Wicklow (H20)**

5, 8, 14, 16, 25, 26, 38, 39, 55, 58, 60, 68, 70.

**Dublin (H21)**

1, 4, 11, 16, 21, 22, 23, 25, 26, 36, 38, 39, 48, 51, 52, 55, 58, 60, 62, 63, 66, 68, 70, 73.

**Meath (H22)**

7, 16, 25, 26, 27, 38, 39, 51, 58, 68, 70.

**Westmeath (H23)**

13, 16, 25, 26, 34, 38, 39, 58, 68, 70.

**Longford (H24)**

16, 17, 25, 26, 38, 39, 68, 70.

**Roscommon (H25)**

12, 16, 17, 25, 26, 27, 38, 39, 58, 68, 70.

**East Mayo (H26)**

25, 26, 38, 39, 58, 68.

**West Mayo (H27)**

16, 25, 26, 28, 38, 39, 55, 57, 58, 63, 68.

**Sligo (H28)**

16, 21, 25, 26, 27, 29, 30, 38, 39, 56, 58, 62, 68, 70.

**Leitrim (H29)**

16, 26, 30, 38, 39, 56, 58, 68, 70.

**Cavan (H30)**

10, 16, 25, 26, 27, 38, 39, 58, 68, 70.

**Louth (H31)**

6, 16, 25, 26, 32, 38, 39, 58, 68, 70.

**Monaghan (H32)**

16, 25, 26, 27, 38, 39, 58, 68, 70.



**Fermanagh (H33)**

16, 25, 26, 31, 38, 39, 58, 68, 70.

**East Donegal (H34)**

25, 26, 27, 38, 39, 58, 68, 70.

**West Donegal (H35)**

16, 25, 26, 27, 38, 39, 52, 54, 58, 68.

**Tyrone (H36)**

16, 25, 26, 38, 39, 58, 68, 70.

**Armagh (H37)**

16, 25, 26, 31, 38, 39, 58, 68, 70.

**Down (H38)**

9, 16, 25, 26, 38, 39, 42, 58, 68, 70.

**Antrim (H39)**

16, 25, 26, 31, 33, 38, 39, 51, 52, 58, 67, 68, 70.

**Derry (H40)**

16, 25, 26, 38, 39, 58, 68, 70.

**Index to the bibliography 3: additional topics**

**Behaviour**

15, 16, 26, 30, 58.

**Buildings (including walls)**

24, 25, 26, 27, 30, 33, 52.

**Garden**

25, 30, 42, 59.

**Grassland**

25, 26, 27, 30, 50.

**Offshore islands**

1, 15, 16, 18, 22, 26, 28, 30, 38, 39, 54, 55, 57, 58, 68.

**Other coastal**

16, 21, 25, 36, 44, 62, 73.

**Other habitats**

14, 25, 26, 27, 37, 45, 64.

**Sand dunes**

15, 25, 26, 27, 30, 43, 44, 45.

**Taxonomy**

26, 30, 33, 38, 39, 52, 58, 60, 70.

**Uplands**

8, 11, 15, 16, 23, 26, 29, 30, 40, 43, 44, 45, 55, 58, 71.

**Wetlands**

13, 18, 34, 58.

**Woodland**

12, 13, 25, 26, 27, 30, 31, 34, 46, 49, 50, 56, 58.

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