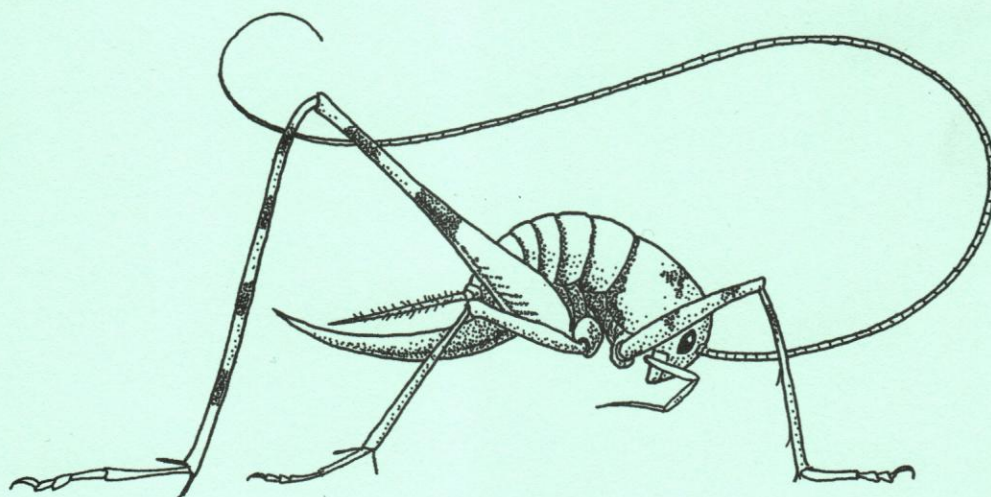


FIRST SUPPLEMENT
TO
A BIBLIOGRAPHY OF IRISH
ENTOMOLOGY

compiled by

James P. O'Connor, Patrick Ashe & John Walsh



The Irish Biogeographical Society
in association with
The National Museum of Ireland

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Ard-Mhúsaem na hÉireann

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Cover illustration of the Greenhouse Camel-Cricket
(*Tachycines asynamorus* Adelung) by Sean Milne from *Irish Indoor Insects*
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This book may be obtained from The Irish Biogeographical Society c/o
Dr J. P. O'Connor, National Museum of Ireland, Kildare Street, Dublin 2,
Ireland

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This supplement is dedicated to the memory of Professor Bryan P. Beirne
MRIA, FRES, FLS, FZS, FESC (1918-1998).



Introduction

In 1984, *A Bibliography of Irish Entomology* was published by Flyleaf Press, Dublin, in an edition of five hundred numbered copies. It was compiled by James G. Ryan, James P. O'Connor and Bryan P. Beirne. In 1998, Bryan Beirne died and in recognition of his contribution to Irish Entomology, this volume is dedicated to his memory. An obituary, written by J. P. O'Connor, was published in *The Irish Naturalists' Journal* and is reproduced as Appendix 1.

This *Supplement* covers the years 1981-2000 for journals already abstracted in the previous volume. However, the opportunity has been taken to include some new journals, reprints sent by authors, corrections and omissions. In addition, a selection of books have been added. The latter category is not comprehensive but may be of assistance to students and others commencing study of a particular group. A list of the abstracted journals and their abbreviations are given in Appendix 2. While the titles of cited journals are now frequently given in full in articles, it was not feasible to conform fully with this new convention in the *Supplement*. Its compilation was commenced over ten years ago and for most journals, it has proved too labour intensive to change the abbreviations into full titles.

The author citations of articles reporting specimens shown at the Annual Exhibition of the British Entomological and Natural History Society posed a problem. This difficulty was solved by giving them under the name of the person who compiled the report on the relevant section.

Unlike the previous volume, works with two or more orders cited in the text are now included in the General Papers section and also under the relevant Order sections if the contents are of significance. However, this has not been always possible as some cited articles were unavailable for abstraction. The *Supplement* was compiled by a page-by-page search of available volumes of the listed periodicals. When this was completed, a postal survey of most living authors was conducted in which they were asked to check the list of references under their authorship which had been found through the search and to inform us of additional references. This procedure confirmed the thoroughness of the journal search and also provided references from additional ones. These extra references have been incorporated into the *Supplement*.

Within each order, the items are listed under the author's name and under each author, they are listed in order of date of publication. Details of errors or omissions would be gratefully received by J. P. O'Connor so that they can be included in a planned second supplement. They should be sent to him at the National Museum of Ireland, Kildare Street, Dublin 2, Ireland.

Acknowledgements

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Section 1. General Papers

- Anon. (1837) Notes of an Irish insect-hunter. *Entomological Magazine* **5**: 140-168.
- Anon. (1857) Obituary notice - Dr Robert Ball. *Ann. Mag. nat. Hist.* Series 2. **19**: 432.
- Anon. (1895) Dublin Naturalists' Field Club. *Ir. Nat.* **4**: 221-222 (Coleoptera, Diptera, Hemiptera).
- Anon. (1897) (Excursion to Ferns). *Ir. Nat.* **6**: 279 (Coleoptera, Hemiptera).
- Anon. (1909) (Excursion to Brittas Bay). *Ir. Nat.* **18**: 228 (Lepidoptera, Coleoptera).
- Anon. (1974) A check list of the Irish cave fauna. Troglaxene, troglophile and troglobite. *Trans. Cave Research Group of Great Britain* **15**: 221-222 (Coleoptera, Collembola, Diptera, Ephemeroptera, Hemiptera, Plecoptera, Trichoptera).
- Agnew, P. and Perry, K. W. (1993) The diet of breeding dippers in north-west Ireland during the period of incubation. *Irish Birds* **5**: 49-54 (Coleoptera, Diptera, Ephemeroptera, Hemiptera, Plecoptera, Trichoptera).
- Alexander, K. N. A. (1994) *Miscodera arctica* (Paykull), *Notiophilus aesthuans* (Motschulsky) (Coleoptera: Carabidae) and *Pontania crassipes* (C. G. Thomson) (Hymenoptera: Tenthredinidae), insects new to Ireland from the summit of Slieve Donard, Co Down. *Ir. Nat. J.* **24**: 463-464.
- Alexander, K. N. A. (1995) Historic parks and pasture-woodlands; the National Trust resource and its conservation. Pp 155-175. In: Bullock, D. J. and Harvey, H. J. (eds) *The National Trust and nature conservation: 100 years on. Biological Journal of the Linnaean Society* **56** (Supplement).
- Alexander, S. M. D. (1954) The birds of the Blasket Islands with special reference to Great Blasket Island, Inishvickillaun and Illaunboy and some notes on the adjacent mainland. *Bird Study* **1**: 148-168 (Diptera: *Ornithomyia fringillina* (Curtis) (*sensu lato*); Siphonaptera: *Ceratophyllus borealis* Rothschild).
- A. M. E. (1972) Obituary. Captain John Ellerton, D.S.C., R.N., 1910-1971. *Proc. Brit. Ent. Nat. Hist. Soc.* **5**: 74-75 (Collected in Ireland).
- Ashe, P., O'Connor, J. P. and Murray, D. A. (1998) A checklist of Irish aquatic insects. *Occ. Publ. Ir. biogeog. Soc.* **3**: 1-80.
- Bannon, E. and Purvis, G. (1993) Pests and diseases of agricultural crops. Pp 17-30. In: Kavanagh, J. A. and Brennan, P. (eds) *Plant health and 1992*. Royal Irish Academy, Dublin (Coleoptera, Collembola, Diptera, Hemiptera).
- Barnard, P. C. (ed.) (1999) *Identifying British insects and arachnids. An annotated bibliography of key works*. Cambridge University Press,

- Cambridge. 353pp.
- Beirne, B. P. (1985) Irish entomology: the first hundred years. *Ir. Nat. J. Spec. Ent. Suppl.*: 1-40.
- B. G. (1978) Obituaries. Denzil Walter Hugh Ffennell. *Proc. Brit. Ent. Nat. Hist. Soc.* **11**: 34-35, plate III (Collected in Ireland).
- Blackith, R. E. and Blackith, R. M. (1990) Insect infestations of small corpses. *J. Nat. Hist.* **24**: 699-709 (Diptera, Hymenoptera, Lepidoptera).
- Bolger, T. and Curry, J. P. (1980) Effects of cattle slurry on soil arthropods in grassland. *Pedobiologia* **20**: 246-253 (Coleoptera, Collembola (named to species), Diptera).
- Bouskell, F. (1903) Three weeks in south Kerry. June, 1902. General account and Botany. *Ir. Nat.* **12**: 57-59 (Coleoptera, Lepidoptera).
- Boyle, K. and Whelan, J. (1990) Changes in the diet of the badger *Meles meles* L. from autumn to winter. *Ir. Nat. J.* **23**: 199-202 (Coleoptera, Diptera, Lepidoptera).
- Bracken, J., Norton, M. and Phillips, H. (1991) A progress report on the rehabilitation of the Kilmastulla River, Co. Tipperary (1986-1988). Pp 115-134. *In*: Steer, M. W. (ed.) *Irish rivers: biology and management*. Royal Irish Academy, Dublin (Coleoptera, Diptera, Ephemeroptera, Plecoptera, Trichoptera).
- Brenan, S. A. (1893) *Sirex gigas* and *Acherontia atropos* in Co Antrim. *Ir. Nat.* **2**: 252 (correction: 277) (Hymenoptera, Lepidoptera).
- Byrne, C., Poole, R. and McGinnity, P. (2000) Food consumed by wild and stocked brown trout, *Salmo trutta* L., and salmon, *Salmo salar* L., in an Irish lake. *Verh. Internat. Verein. Limnol.* **27**: 185-188 (Mentions only of Coleoptera, Diptera (Chironomidae), Ephemeroptera, Hemiptera, Plecoptera, Trichoptera).
- Byrne, R. A. and Reynolds, J. D. (1982) Preliminary notes on a doline in Lough Gealain, the Burren, County Clare. *Ir. Nat. J.* **20**: 375-377 (Diptera, Lepidoptera, Trichoptera).
- Cabot, D. (1999) *Ireland. A natural history*. The New Naturalist Library **No. 84**. HarperCollins, London.
- Carpenter, G. H. (1894) (*Chrysomela polita*, *Tipula dispar*: Woodenbridge). *Ir. Nat.* **3**: 258 (Coleoptera, Diptera).
- Castella, E., Speight, M. C. D., Obrdlik, P., Schneider, E. and Lavery, T. (1994) A methodological approach to the use of terrestrial invertebrates for the assessment of alluvial wetlands. *Wetlands Ecology and Management* **3**: 17-36.
- Chalmers-Hunt, J. M. (1978) An obituary and bibliography of Henry Charles Huggins, F.R.E.S. *Proc. Brit. Ent. Nat. Hist. Soc.* **11**: 36-38, plate IV; 107-113 (Collected in Ireland).
- Classey, E. W. (1981) Obituary. W. H. T. Tams, A.L.S. *Entomologist's Gaz.* **32**:

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- Copeland, R. B., Dowley, L. J. and Moore, J. F. (1993) The vulnerability of the Irish potato industry to harmful organisms. Pp 95-106. *In*: Kavanagh, J. A. and Brennan, P. (eds) *Plant health and 1992*. Royal Irish Academy, Dublin (Coleoptera, Lepidoptera).
- Cowan, C. F. (1986) John Francillon, F.L.S., a few facts. *Entomologist's Rec. J. Var.* **98**: 139-143 (William Kilburn).
- Curry, J. P. (1987) Soil invertebrates as monitors of the effects of slurry and pesticide application. Pp 123-136. *In*: Richardson, D. H. S. (ed.) *Biological indicators of pollution*. Royal Irish Academy, Dublin (Coleoptera, Collembola, Diptera, Hemiptera, Hymenoptera).
- Curry, J. P., Kelly, M. and Bolger, T. (1985) Role of invertebrates in the decomposition of *Salix* litter in reclaimed cutover peat. Pp 393-397. *In* Fitter, A. H., Atkinson, D., Read, D. T. and Usher, M. B. (eds) *Ecological interactions in soil: plants, microbes and animals*. Blackwell, Oxford (Coleoptera, Collembola, Diptera).
- Curry, J. P. and Momen, F. M. (1988) The arthropod fauna of grassland on reclaimed cutaway peat in Central Ireland. *Pedobiologia* **32**: 99-109 (Coleoptera (one named species), Collembola (named to species), Diptera (one named species), Hemiptera, Hymenoptera, Lepidoptera, Psocoptera).
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- Dunne, J. (1983) Gobiesocidae occurring in the coastal waters of Connemara. *Ir. Fish. Invest. Ser. A.* **No. 23**: 32-36 (Insecta: larvae).
- Eversham, B. C. (1994) using invertebrates to monitor land use change and site management. *Br. J. Ent. Nat. Hist.* **7** (suppl. 1): 36-45 (Odonata: *Sympetrum danae*; Orthoptera: *Stethophyma grossum*).
- Fahy, E. (1975) Salmonid stocks of the Cloonee catchment in Co. Kerry. *Fishery Leaflet. Dep. Agric. Fish. Div. Dublin* **No. 95**: 1-8 (Diptera, Ephemeroptera, Plecoptera).
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- Giller, P. S., O'Connor, J. P. and Kelly-Quinn, M. (1998) Freshwater macroinvertebrates. Pp 125-157. *In*: Giller, P. S. (ed.) *Studies in Irish*

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- Keane, M., McCarthy, R. and Hogan, J. (1989) Forest health surveys in Ireland: 1987 and 1988 results. *Irish Forestry* **46**: 59-62 (Hemiptera: *Elatobium abietinum* and Hymenoptera: *Neodiprion sertifer*).
- Kelly, K. S. and Costello, M. J. (1995) Marine-related papers published in *The Irish Naturalists' Journal*, 1925-1994. *Ir. Nat. J.* **25**: 89-98.
- Kelly, M. T. and Curry, J. P. (1985) Studies on the arthropod fauna of a winter wheat crop and its response to the pesticide methiocarb. *Pedobiologia* **28**: 413-421 (Coleoptera (named to species), Collembola (named to species), Diplura, Diptera, Thysanoptera).
- Kelly-Quinn, M. (1991) The diel feeding pattern of brown trout (*Salmo trutta* L.) in acid streams during the summer and autumn months. Pp 47-57. In: Steer, M. W. (ed.) *Irish rivers: biology and management*. Royal Irish Academy, Dublin (Diptera, Ephemeroptera, Plecoptera, Trichoptera).
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- Kennedy, T. F. (1993) Control of seedling pests in sugar beet using pellet-incorporated insecticides. IGAPA Research Meeting abstract. *Ir. J. agric. Res.* **32**: 116-117 (Collembola, Hemiptera).
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- Lavery, T. A. (1991) Report on migrant insects in Ireland for 1990. *Ir. Nat. J.* **23**: 458-461 (Lepidoptera, Odonata).
- Lucey, J. (1987) Biological monitoring of rivers and streams using macroinvertebrates. Pp 63-75. *In*: Richardson, D. H. S. (ed.) *Biological indicators of pollution*. Royal Irish Academy, Dublin.
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Appendix 1

Obituary of Bryan P. Beirne MRJA, FRES, FLS, FZS, FESC (1918-1998)

by J. P. O'Connor

(Reproduced from the *Irish Naturalists' Journal* **26**: 4-7 (1998))

Bryan P. Beirne was born at Rosslare, Co Wexford, and later he came to live in Seapoint, Co Dublin. He was interested in Entomology from an early age. This interest became a passion when at 13 years of age, he collected a large thorn moth *Ennomos autumnaria* Werneburg. The species was new to Ireland and he published a note on his discovery in *The Irish Naturalists' Journal* (Beirne 1933), earning him the congratulations of both the editor and his mentor, J. N. Halbert. Subsequently, Bryan was to become a Sectional Editor of the *Journal*. He joined the Dublin Naturalists' Field Club in 1934 and was an active member for many years.

At the remarkable age of 16, he entered Trinity College, Dublin, and subsequently graduated with a PhD in Entomology. He was appointed to lecture in Entomology in the College's Department of Zoology. As one of the two-man fulltime teaching staff in that Department during and following the Second World War, his teaching load was heavy and broad. He also had curatorial duties for what was then the University Museum of Zoology and Comparative Anatomy. To supplement his university salary, which was for the first few years only £150 per annum, he established and operated a commercial pest control business. In the later 1940s, he initiated action which resulted in American funding to establish the research institution which ultimately became An Foras Taluntais. During this period, he published many innovative papers on a diverse range of Irish insect groups and other topics. These included the definitive list of Irish Microlepidoptera. He also wrote books on *British pyralid and plume moths*, *The origin and history of the British fauna* and *The genitalia of the British Rhopalocera and the larger moths* (with Pierce, F. N.).

Sadly he decided to leave Ireland, emigrating in 1948 to Canada where he was appointed to the Department of Agriculture in Ottawa. There, he worked on the systematics of leafhoppers, plantbugs and their relatives, describing more than 30 species new to science. While in the Department, he became regarded, validly, as an iconoclastic commentator on bureaucratic irrationalities. In 1955, he was promoted to Director of what was to become the Research Institute for Biological Control, Belleville, Ontario. At that time the institute was in disarray and Bryan reorganized its research and quadrupled productivity. Believing that pest problems should be dealt with by integrating different control methods in ways designed to avoid harm to useful organisms (including people), he proposed that the Institute should be moved to a university campus to allow such pest management to be implemented. Alas, this proposal was turned down.

In a typical action, he persuaded seven colleagues to resign with him and all joined the faculty of the newly-established Simon Fraser University in British Columbia. They organized the first structured professional programme leading to the then novel degree of Master in Pest Management. At the University, Bryan's research publications were primarily on the bionomics of individual pest species, principles and practices of biological control and on pest management. He became Professor of Pest Management, Dean of Graduate Studies and Emeritus Professor, retiring in 1983.

While in Canada, Bryan never lost his love of Ireland and her insects. During his retirement, he had the pleasure of seeing the publication of two major works *viz.* *A bibliography of Irish entomology* (with Ryan and O'Connor) and *Entomology: the first hundred years*. He was the prime instigator of the first work and had compiled much of it prior to leaving Ireland. Characteristically, he refused senior authorship, arguing that the priority of the other names would help the authors' careers. The second work, funded by himself, is a fascinating account of the early years of Irish Entomology and is full of marvellous anecdotes. Bryan brought back to life past Irish entomologists, their achievements and failures, personalities and foibles, inter-relationships and struggles. With characteristic courage, he did not ignore the controversial events.

During his career, he served on a great number of government, academic, editorial, national and international committees. Enjoying a long life, he published 15 books or monographs, more than 120 research papers and numerous smaller publications and reports. A selected bibliography mainly of his publications on the faunas of Ireland and Britain is given at the end of this appreciation. His Irish entomological papers are listed in Ryan *et al.* (1984) while a more comprehensive account of his works is given in his *Curriculum Vitae* deposited in the Natural History Museum, Dublin, along with his entomological collection and associated papers. Honours included Member of the Royal Irish Academy, Gold Medalist and Fellow of the Entomological Society of Canada, and a Career Achievement Award of the Science Council of British Columbia. The insect genus *Beirneola*, a number of insect species, a species of fungus and a section of a university library (at Ataturk, Turkey) are named after him.

The author had the great pleasure of meeting Bryan during his later visits to Ireland and of becoming a friend. A large man, he was warm-hearted and genial with a great sense of humour. In addition, he was a marvellous storyteller. He had a deep and lasting interest in Irish Entomology and was full of new ideas for research on the Irish insect fauna. His many letters demonstrated these facets of his character. For example, he wrote on 10 October 1994 "I am now out of the software business and into aiding in developing for production an organic plant fungicide and various insect traps, continuing investigations

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into the O'Beirne Family and analyzing effects on human behaviour of pesticide use in 1970-1985"; "Any special news about yourself, your work, or Irish entomology? A relative tells me that a book on Irish butterflies mis-spells my name throughout. Ah well.". His last communication was a note with a complimentary copy of his book *The Family O'Beirne*. It enquired "Any news about Irish entomology?". Sadly before the author could reply, Bryan died peacefully and unexpectedly in his sleep in Vancouver on 28 March 1998. A scientist of international standing, he will be remembered as one of Ireland's most talented entomologists. He will be greatly missed.

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Appendix 2

Journals abstracted in the Supplement

Abbreviations are given in brackets

Annals and Magazine of Natural History (*Ann. Mag. nat. Hist*)

Aquatic Insects

Atropos

Biology and Environment. Proceedings of the Royal Irish Academy Series B.
(*Biology and Environment. Proc. R. Ir. Acad.*)

British Journal of Entomology and Natural History (*Br. J. Ent. Nat. Hist.*)

Bulletin of the British Museum of Natural History (Entomology) (*Bull. Br. Mus. nat. Hist. (Ent.)*)

Bulletin of Entomological Research

Bulletin of the Irish biogeographical Society (*Bull. Ir. biogeog. Soc.*)

Cecidology

Dipterists Digest

Ecological Entomology

Entomological Scandinavica

Entomologist

Entomologist's Gazette (*Entomologist's Gaz.*)

Entomologist's Monthly Magazine (*Entomologist's mon. Mag.*)

Environment and Heritage Service Research and Development Series
(Department of the Environment for Northern Ireland)

Freshwater Biology

Freshwater Forum

Handbooks for the Identification of British Insects (*Handbk Ident. Br. Insects*)

International Association of Theoretical and Applied Limnology. Proceedings
(*Verh. Internat. Verein. Limnol*)

Irish Birds

Irish Fisheries Investigations Series A (*Ir. Fish. Invest. Ser. A.*)

Irish Forestry

Irish Journal of Agricultural Research

Irish Naturalists' Journal (*Ir. Nat. J.*)

Journal of Animal Ecology (*J. Anim. Ecol.*)

Journal of the British Dragonfly Society (*J. Br. Dragonfly Soc.*)

Journal of Life Sciences of the Royal Dublin Society

Journal of the Linnaean Society: Zoology

Journal of Zoology (*J. Zool. (London)*)

Latissimus

Medical and Veterinary Entomology

Occasional Publications of the Irish Biogeographical Society (*Occ. Publ. Ir. biogeog. Soc.*)

O'Connor, Ashe & Walsh

Proceedings and Transactions of the British Entomological and Natural History Society (Proc. Trans. Br. Ent. Nat. Hist. Soc.)
Proceedings of the Royal Irish Academy Series B (Proc. R. Ir. Acad.)
Scientific Publications of the Freshwater Biological Society (Scient. Publ. Freshwat. Biol. Ass.)
Spixiana
Studia Dipterologica
Systematic Entomology
The Balfour-Browne Club Newsletter
The Bulletin of the Amateur Entomologists' Society (Bull. Amat. Ent. Soc.)
The Coleopterist
The Entomological Magazine (Ent. Mag.)
The Entomologist's Record and Journal of Variation (Entomologist's Rec. J. Var.)
The Journal of the Entomological Exchange and Correspondence Club
Tijdschrift voor Entomologie
Transactions of the Entomological Society of London (Trans. Ent. Soc. Lond.)
Zoological Journal of the Linnean Society
Zoologische Verhandelingen
Verhandlungen der Internationale Vereinigung für Theoretische und Angewandte Limnologie (Verh. Internat. Verein. Limnol.)

