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British Ephemeroptera, Plecoptera and Trichoptera in 1935.

The following list is based on material sent to Mr. M. E. Mosely or myself for determination at the British Museum, and much of it has been presented to the Museum collections. Additional records of the distribution of these insects are always valuable, as there are comparatively few collectors interested in these groups.

The initials in brackets following the dates represent collectors' names, as follows:—W.E.C., Mr. W. E. China; L.W.G., Rev. Prof. L. W. Grensted; A.D.G., Master A. D. Grensted; D.E.K., Mr. D. E. Kimmins; M.E.M., Mr. M. E. Mosely; and A.R.W., Mr. A. R. Waterston, of the Edinburgh University Biological Expedition.

Specimens are recorded from the following localities:—**ARGYLL:** Portsonachan. **BERKSHIRE:** Hinksey, Pangbourne. **CHESHIRE:** Redesmere, Stalybridge. **CUMBERLAND:** Borrowdale, Buttermere, Caldbeck, Derwentwater, Ennerdale Water, Keswick, Threlkeld, Uldale, Watendlath, Watermillock. **DERBYSHIRE:** Glossop, Taddington. **DEVONSHIRE:** Brendon Common, Lee Abbey, Lynton. **HERTFORDSHIRE:** Hitchin. **LANCASHIRE:** Garstang. **NORTHAMPTONSHIRE:** Desborough. **OXFORDSHIRE:** Bletchington, Cassington, Headington, Iffley Lock, Shipton-on-Cherwell. **PERTSHIRE:** St. Fillans. **SOMERSETSHIRE:** Bicknoller, Bridgwater, Kilve, Lee Abbey, Oare, Porlock, Washford, Williton. **STAFFORDSHIRE:** Tong, nr. Wolverhampton. **SURREY:** Abinger, Burford Bridge, Dorking, Friday Street, Milton Street, Westcott. **SUSSEX:** Hartfield. **WARWICKSHIRE:** Stonebridge. **WESTMORLAND:** Kendal, Milnthorpe. **OUTER HEBRIDES:** Barra.

EPHEMEROPTERA.

EPHEMERIDAE.

Ephemerula vulgata L.—Friday Street, 28.v. (D.E.K.).

E. danica Müll.—Headington, 26.v. (L.W.G.). Friday Street and R. Mole, Burford Bridge, 28.v. (W.E.C., D.E.K.).

LEPTOPHLEBIIDAE.

Leptophlebia marginata (L.).—Glossop, 4.v.; Oxford, 11.v. (L.W.G.). St. Fillans, 6-18.vi.; Portsonachan, 21.vi. (M.E.M.).

- L. vespertina* (L.).—St. Fillans, 6-18.vi. ; Portsonachan, 21.vi. (M.E.M.).
Paraleptophlebia submarginata (Steph.).—R. Medway, Hartfield, 5.v. (D.E.K.). Friday Street, 28.v. (W.E.C., D.E.K.).

CAENIDAE.

- Caenis horaria* (L.).—Barra, vii. (A.R.W.).

BAËTIDAE.

- Baëtis pumilus* (Burm.). — Kilve, 19.viii. (A.D.G.). Threlkeld, 3.ix. ; Ulleswater, Watermillock, 6.ix. (L.W.G.).
B. scambus Etn.—Buttermere, 27.viii. (L.W.G.).
B. rhodani (Pict.). — Glossop, 4.v. (L.W.G.). Barra, vii. (A.R.W.).
B. bioculatus (L.).—Kendal, 6.ix. (L.W.G.).
B. tenax Etn.—Stonebridge, 5.v. (L.W.G.).
Centroptilum luteolum (Müll.).—Oxford, R. Cherwell, 12.v. (L.W.G.). Portsonachan, 21.vi. (M.E.M.). Derwentwater, 27.viii. ; Keswick, 28.viii. (L.W.G.).
Cloëon dipterum (L.).—Oxford, R. Cherwell, 12.v. (L.W.G.). Milton Street, 28.v. (D.E.K.).
C. simile Etn.—Barra, vii. (A.R.W.).

ECDYONURIDAE.

- Heptagenia sulphurea* (Müll.).—Abinger, R. Tillingbourne, 9.vi. (D.E.K.).
Ecdyonurus lateralis (Curt.).—Portsonachan, 21.vi. (M.E.M.). Porlock, 16.viii. (A.D.G.).
E. longicauda (Steph.).—Keswick, 30.viii. (L.W.G.).
E. venosus (Fabr.).—Milton Street, 28.v. (W.E.C.). St. Fillans, 6-18.vi. ; Portsonachan, 21.vi. (M.E.M.).
Rhithrogena semicolorata (Curt.).—Portsonachan, 21.vi. (M.E.M.). Lynton, 19.vii. ; Caldbeck, 26.viii. (L.W.G.).

PLECOPTERA.

PERLODIDAE.

- Dictyopterygella recta* (Kempny). — St. Fillans, 6-18.vi. (M.E.M.).

PERLIDAE.

- Chloroperla (Isopteryx) torrentium* (Pict.). — Milton Street, 28.v. (W.E.C.). St. Fillans, 6-18.vi. (M.E.M.). Oare, 16.viii. (L.W.G.). Barra, vii. (A.R.W.).

LEUCTRIDAE.

- Leuctra geniculata* Steph. — Washford, 20.viii. (A.D.G.). Garstang and Milnthorpe, 24.viii. (L.W.G.). Taddington, 2.ix. (A.D.G.).
L. fusciventris Steph. — Porlock, 10.viii. ; Oare, 16.viii. ; Brendon Common, 16.viii. ; Garstang, 24.viii. ; Butter-

mere, 27.viii. ; Caldbeck, 26.viii. ; Derwentwater, 27.viii. ; Watendlath, 28.viii. ; Threlkeld, 3.ix. (L.W.G.). Barra, vii. (A.R.W.).

L. hippopus Kempny.—St. Fillans, 6-18.vi. (M.E.M.).

NEMOURIDAE.

Amphinemura cinerea (Ol.).—St. Fillans, 6-18.vi. (M.E.M.).

Nemoura variegata (Ol.).—Stonebridge, 5.v. (L.W.G.).

N. cambrica Mort.—Friday Street, 9.vi. (D.E.K.).

Nemurella inconspicua (Pict.).—Brendon Common, 16.viii. (A.D.G.).

TRICHOPTERA.

PHRYGANEIDAE.

Phryganea striata L.—Friday Street, 9.vi. (D.E.K.).

P. varia Fabr.—Watendlath, 28.viii. (L.W.G.).

LIMNOPHILIDAE.

Colpotaulius incisus (Curt.).—Cassington, 9.ix. (A.D.G.).

Limnophilus marmoratus Curt.—St. Fillans, 9.vi. (M.E.M.).

L. lunatus Curt.—Cassington, 9.ix. (A.D.G.).

L. politus McL.—R. Thames, Iffley Lock, 7.x. (L.W.G.).

L. centralis Curt.—Brendon Common, 16.viii. (A.D.G.). St. Fillans, 9.vi. (M.E.M.).

L. auricula Curt.—St. Fillans, 9.vi. (M.E.M.).

L. luridus Curt.—St. Fillans, 9.vi. (M.E.M.).

L. sparsus Curt.—St. Fillans, 9.vi. (M.E.M.).

Anabolia nervosa Curt.—Cassington, 9.ix. ; Shipton-on-Cherwell, 2.xi. (A.D.G.). Desborough, 28.ix. ; Oxford, 7.x. (L.W.G.).

Stenophylax latipennis (Curt.).—Kilve, 19.viii. (L.W.G.).

SERICOSTOMATIDAE.

Sericostoma personatum (Spence).—Abinger, 9.vi. (D.E.K.).

Silo pallipes (Fabr.).—Friday Street, 28.v. (W.E.C.).

S. nigricornis (Pict.).—Pangbourne, 17.v. (L.W.G.).

Brachycentrus subnubilus Curt.—R. Teify, Lampeter, 30.iii. (Wyndham Forbes).

Crunoecia irrorata (Curt.).—Bicknoller, 18.viii. (L.W.G.).

Lepidostoma hirtum (Fabr.).—St. Fillans, 9.vi. (M.E.M.).

MOLANNIDAE.

Beraea pullata Curt.—Lee Abbey, 13.vii. (L.W.G.).

B. maurus Curt.—Hinksey, 19.vi. 34 (A.D.G.).

Beraeodes minuta (L.).—Milton Street and Friday Street, 28.v. (W.E.C., D.E.K.).

ODONTOCERIDAE.

Odontocerum albicorne (Scop.).—Bicknoller, 8, 10.viii. ; Washford, 19.viii. ; Kilve, 19.viii. (A.D.G.). Oare, 16.viii. (L.W.G.).

LEPTOCERIDÆ.

- Leptocerus alboguttatus* Hag.—Threlkeld, 3.ix. (L.W.G.).
L. aterrimus Steph.—Milton Street, 9.vi. (W.E.C.). Tong,
 23.viii. (A.D.G.).
L. cinereus Curt.—Oxford, 11.ix. (A.D.G.).
L. albifrons (L.).—Williton, 14.viii. (L.W.G.). Washford,
 19.viii. (A.D.G.). R. Derwent, Keswick, 26.viii. (L.W.G.).
L. bilineatus (L.).—Portsonachan, 23.vi. (M.E.M.). Dunster,
 10.viii. (L.W.G.).
Mystacides nigra (L.).—Bletchingdon, 9.vi. (L.W.G.).
M. azurea (L.).—Portsonachan, 23.vi. (M.E.M.). Milnthorpe,
 24.viii.; R. Derwent, Keswick, 26.viii. (L.W.G.).
M. azurea var. *albicornis* Mosely.—R. Derwent, Keswick,
 26.viii. (L.W.G.).
Mystacides longicornis (L.).—Redesmere, nr. Chelford, 26.viii,
 1.ix. (A.D.G.).

HYDROPSYCHIDÆ.

- Hydropsyche fulvipes* (Curt.).—Bicknoller, 8.viii. (L.W.G.).
H. instabilis (Curt.).—Lee Abbey, 13.vii.; Bicknoller, 8.viii.;
 Porlock, 10.viii. (L.W.G.).
H. angustipennis (Curt.).—Tong, 23.viii.; Redesmere, 1.ix.;
 Stalybridge, 6.ix. (A.D.G.). Uldale, 31.viii. (L.W.G.).
Diplectrona felix McL.—Bicknoller, 18.viii. (A.D.G.). Borrowdale,
 28.viii. (L.W.G.).

PHILOPOTAMIDÆ.

- Philopotamus montanus* (Don.).—Bicknoller, 10.viii. (A.D.G.).
Wormaldia occipitalis (Pict.).—Lee Abbey, 16.vii. (L.W.G.).
W. mediana McL.—Bicknoller, 18.viii. (A.D.G.).
W. subnigra McL.—Taddington, 2.ix. (A.D.G.).

POLYCENTROPIDÆ.

- Neureclipsis bimaculata* (L.).—Bletchingdon, 9.vi. (L.W.G.).
 Redesmere, 26.viii. (A.D.G.).
Polycentropus flavomaculatus (Pict.).—Bletchingdon, 9.vi.
 (L.W.G.). St. Fillans, 9.vi.; Portsonachan, 23.vi.
 (M.E.M.). Porlock, 10.viii.; Dunster, 10.viii.; Williton,
 14.viii. (L.W.G.). Oare, 16.viii.; Kilve, 19.viii.; Bridgwater,
 22.viii. (A.D.G.). Milnthorpe, 24.viii.; R. Derwent,
 Keswick, 26.viii.; Caldbeck, 26.viii.; Kendal, 6.ix.
 (L.W.G.). Taddington, 2.ix. (A.D.G.).
Holocentropus dubius (Steph.).—Westcott, 18.vi. (W.E.C.).
H. picicornis (Steph.).—Tong, 23.viii. (A.D.G.).
Cyrnus trimaculatus (Curt.).—Headington, 26.v. (L.W.G.).
 R. Mole, Dorking, 28.v. (W.E.C.). Portsonachan, 23.vi.
 (M.E.M.). Garstang, 24.viii.; Ennerdale Water, 4.ix.
 (L.W.G.). Oxford, 11.ix. (A.D.G.).

PSYCHOMYIIDÆ.

- Tinodes waeneri* (L.).—Headington, 26.v. (L.W.G.). Friday Street, 28.v. (W.E.C., D.E.K.). Ennerdale Water, 2.ix.; Cambridge, 26.ix. (L.W.G.).
- Tinodes assimilis* McL.—Friday Street, 28.v. (W.E.C., D.E.K.).
- Lype phaeopa* (Steph.).—Headington, 26.v. (L.W.G.). Friday Street, 28.v. (W.E.C., D.E.K.). Portsonachan, 23.vi. (M.E.M.). Williton, 14.viii.; Garstang, 24.viii.; Cambridge, 27.ix. (L.W.G.). Oare, 16.viii.; Oxford, 11.ix. (A.D.G.).
- Psychomyia pusilla* (Fabr.).—Portsonachan, 23.vi. (M.E.M.). Williton, 14.viii. (L.W.G.).

RHYACOPHILIDÆ.

- Rhyacophila dorsalis* (Curt.).—Friday Street, 28.v. (W.E.C.). Kilve, 19.viii.; Taddington, 2.ix. (A.D.G.). Garstang, 24.viii.; Uldale, 31.viii. (L.W.G.).
- R. obliterated* McL.—Caldbeck, 26.viii. (L.W.G.).
- R. munda* McL.—Threlkeld, 29.viii. (L.W.G.).
- Agapetus fuscipes* Curt.—Pangbourne, 17.v. (L.W.G.). Milton Street, 28.v. (W.E.C., D.E.K.). Lee Abbey, 13.vii.; Bicknoller, 17.viii.; Borrowdale, 28.viii.; R. Derwent, Keswick, 3.ix.; Kendal, 6.ix. (L.W.G.). Brendon Common, 16.viii.; Hitchin, 18.ix. (A.D.G.). St. Fillans, 9.vi. (M.E.M.).
- A. delicatulus* Mch.—Porlock, 17.vii. (L.W.G.).

HYDROPTILIDÆ.

- Hydroptila femoralis* Etn.—Portsonachan, 23.vi. (M.E.M.).
- H. occulta* Etn.—Portsonachan, 23.vi. (M.E.M.).
- H. maclachlani* Klap.—Kilve, 12.viii. (A.D.G.); Williton, 14.viii. (L.W.G.).
- Oxyethira costalis* (Curt.).—Portsonachan, 23.vi. (M.E.M.).

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