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Ephemeroptera in the Lake District.

During 1931 (10th-16th July), I spent a few days in the Lake District. My collecting was almost entirely restricted to the mayflies, and a list of the species captured is given below. Short visits in May and August—September, 1931, and again in September, 1932, were devoted to other insects, but a few Ephemeroptera were noted and are included in the list.

When adults were not on the wing, as on the occasion of my visit to Crummock and Buttermere (16.vii.31), spiders' webs proved a happy hunting-ground and at least one species (*Caenis halterata*) which was normally over was taken in this way, though naturally the material was not in good condition.

The localities visited were as follows:

- (1) Grasmere Lake (Westmorland), 11.vii.31, 31.viii.31.
- (2) River Rothay and small tributary at foot of the Helm about one mile N. of Grasmere (Westmorland), 11.vii.31, 14.vii.31.
- (3) Easedale Gill, near Grasmere (Westmorland), 11.vii.31.
- (4) River Rothay, N. end of Rydal Water (Westmorland), 13.vii.31.
- (5) Vale of St. John (Cumberland), 12.vii.31, 13.vii.31.
- (6) Penruddock (Cumberland), 13.vii.31.
- (7) Great Langdale (Westmorland), 14.vii.31.
- (8) Bassenthwaite Lake, N. end (Cumberland), 12.vii.31.
- (9) Near Lorton (Cumberland), 16.vii.31.
- (10) Crummock Water, near Hause Point (Cumberland), 16.vii.31.
- (11) Buttermere Lake, S. end (Cumberland), 16.vii.31.
- (12) Seascale (Cumberland).
- (13) Wasdale Head, Mosedale Beck at foot of Black Sail (Cumberland), 20.ix.32.
- (14) Newby Bridge (Lancashire), 25.v.31.
- (15) River Eamont, near Pooley Bridge (Westmorland), 13.vii.31.

LIST OF SPECIES.

The signs ! and !! are used to denote respectively common and abundant.

EPHEMERIDAE.

Ephemera danica Müll., 1764.—(8)!

ECDYONURIDAE.

Heptagenia lateralis (Curt., 1834).—(1) 11.vii.31; (2) 11.vii.31!;
14.vii.31; (5) 12.vii.31!; 13.vii.31!

Ecdyonurus venosus (Fab., 1775).—(2) 14.vii.31; (5) 12.vii.31;
13.vii.31.

Ecdyonurus sp.?—(13) Nymph. Probably a new species to
the British list, see later note.

Rhithrogena semicolorata (Curt., 1834).—(2) 11.vii.31; (9); (11).

SIPHONURIDAE.

Siphonurus lacustris Eaton, 1870.—(7) 1 ♀, subimago.

BAËTIDAE.

Baëtis vernus Curt., 1834.—(15).

Baëtis rhodani (Pict., 1845).—(12); (14).

Baëtis scambus Eaton, 1870.—(13).

Baëtis pumilus (Burm., 1839).—(5) 13.vii.31!!; (8).

Centroptilum luteolum (Müll., 1776).—(1) 31.viii.31; (8); (10).

Cloëon simile Eaton, 1870.—(8).

Cloëon rufulum (Müll., 1776).—(10).

EPHEMERELLIDAE.

Ephemerella ignita (Poda, 1761).—(1) 31.viii.31; (2)
14.vii.31!!; (3); (4); (5) 13.vii.31!!; (6)!!; (11)!!.

Ephemerella notata Eaton, 1887.—(10) 1 ♂.

CAENIDAE.

Caenis halterata (Fab., 1777).—(10).

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