Moore, E. W. 1939. Graphic determination of carbon dioxide and the three forms of alkalinity. Amer. Water Works Assn. J. 31: 51–66.

Murdoch, W. W. 1971. The development of predators to changes in prey density. Ecology. 52(1): 132-137.

Sokal, R. R. and F. J. Rohlf. 1969. Biometry. W. H. Freeman and Co., San Francisco. p. 404-493.

van Cleave, H. J. 1934. Length of life span as a factor in regulating populations. Ecology. 15: 17-23.

Walton, C. L. and W. N. Jones. 1926. Further observations on the life history of *Limnaea* truncata. Parasitology. 18: 144-147.

Wurtz, C. B. 1949. Physa heterostropha (Say). Nautilis. 63: 2-7.

LEUCORRHINIA FRIGIDAGEN, ANOTHER NEW OHIO ODO-NATE RECORD.¹ Two specimens of Leucorrhinia frigida Hagen were found in the collections of The Cleveland Museum of Natural History, Cleveland, Ohio. One male was taken at Bradley's Pond, Burton, Ohio, by J. C. Pallister on 8 July 1923 (number 20514 of the museum collections). The other male was also taken at Bradley's Pond by Mr. Pallister on 22 June 1924 (museum number 32594). The 1923 specimen was taken "flying about the edge of the pond." The 1924 catch was in "open swamp wood, flying," according to museum records.

Bradley's Pond was apparently renamed Lake Kelso, according to records at Burton Public Library. Fern Lake Bog, lying adjacent to Kelso (Bradley), was the site of an earlier state record for Cordulia shurtleffi Scudder (Cruden and Currie, 1961). Kelso is bog-like, ringed by larch (Larix), poison sumac (Rhus), blueberry (*Vaccinium*), and ferns, typical of northern bogs (Weaver and Clements, 1938). Kelso and Fern Lakes lie in the southern half of Geauga County, Ohio.

Needham and Westfall (1955) described the genus Leucorrhinia as "Holarctic, represented in North America principally in the Canadian life zone." Leucorrhinia frigida, according to the same source, have been taken in the following states: Connecticut, Indiana, Maine, Massachusetts, Michigan, New Hamsphire, New Jersey, New York, North Dakota, Pennsylvania, Vermont, and Virginia. It is not too surprising to have found this species in Ohio.

I visited Lakes Kelso and Fern on three occasions in 1974: 8 June, 22 June, and 5 July, all within the time period encompassed by Pallister's earlier collections. I found no specimens of Leucorrhinia frigida. Taken or sighted were the following odonates: Anax junius (Drury), Epicordulia princeps (Hagen), Erythemis simplicicollis (Say), Leucorrhinia intacta (Hagen), Libellula luctuosa Burmeister, Libellula incesta Hagen, Libellula pulchella Drury, Pachydiplax longipennis (Burmeister), Perithemis tenera (Say), Sympetrum rubicundulum (Say), Argia violacea (Hagen), Chromagrion conditum (Hagen), Enallagma aspersum (Hagen), Enallagma divagans Selys, Enallagma geminatum Kellicott, Enallagma signatum (Hagen), Enallagma vesperum Calvert, Ischnura posita (Hagen), Ischnura verticalis (Say), Lestes inaequalis Walsh, and Lestes vigilax Hagen.

Acknowledgments. Thanks are extented to the staff of The Cleveland Museum of Natural History for allowing me to examine their collections, especially Mrs. Pat Hellwig, Collections Curator, and to Dr. Hal Mahan, Director. Special thanks are also due to Melissa Perry for her help in collecting and to Mr. Bob Restifo of The Ohio State University for confirming the museum materials.

—Т. Е. PERRY, Memorial School, Mentor, Ohio 44060.

LITERATURE CITED

Cruden, Robert W. and Neva L. Currie. 1961. Additions to the state and county records of Ohio dragonflies (Odonata). Ohio J. Sci. 61: 189-191.

Needham, J. G. and M. J. Westfall, Jr. 1955. A Manual of the Dragonflies of North America (Anisoptera). University of Cali-

fornia Press, Berkeley.
Weaver, John E. and Frederic E. Clements.
1938. Plant Ecology. McGraw-Hill Book

Co., New York.

¹Note received July 16, 1974 (74-29).