Brief Note  Report of an Amphipod Species New to Ohio: Gammarus Minus Say (Amphipoda: Gammaridae)

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BRIEF NOTE

REPORT OF AN AMPHIPOD SPECIES NEW TO OHIO: GAMMARUS MINUS SAY (AMPHIPODA: GAMMARIDAE)

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Gammarus minus Say is a common amphipod in cave streams, springs, and spring-runs of limestone areas in the eastern and middle-western United States. The range of this crustacean extends from the Piedmont in the east to the western border of the Ozark Plateau in the middle-west, and is bordered on the north by the southern boundary of Wisconsin glaciation and on the south by the Mississippian Embayment (Cole 1970; Holsinger 1972). Although southern Ohio lies within this area, G. minus has not previously been reported from Ohio.

G. minus is now reported from 2 Ohio locations: a spring at the entrance to Cedar Fork Cave in Adams County (population discovered by J. R. Holsinger on 16 July 1966) and a spring-run in French Park (Hamilton County), a city park in Amberley Village near Cincinnati (population discovered by D. C. Beckett on 23 Feb. 1976). These 2 populations are separated by approximately 60 miles.

G. minus is a morphologically variable species occupying a range of habitats from cave streams to spring-runs. Three ecophenotypes of this species are recognized: a brownish-colored spring form with well-developed eyes (Form III); a bluish-colored intermediate cave form with slightly reduced eyes (Form II); and a bluish cave form with greatly reduced eyes (Form I) (Hubricht 1943; Holsinger and Culver 1970). Both Ohio populations are of the Form III variety.

G. minus is extremely abundant in the French Park (Cincinnati) spring-run, often numbering in the thousands per square meter of stream bottom. Similar abundances of G. minus have been reported for Doe Run and its tributaries, a spring-fed stream system in northern Kentucky (Minckley and Cole 1963).

The fauna of lotic habitats in southern Ohio remain relatively uninvestigated. For example, the investigation of the Cedar Fork cave stream resulted not only in the first record of G. minus in Ohio,
but also in the first Ohio record of the subterranean isopod *Asellus* (s. lat.) *stygius* Packard (Fleming 1972). Further examination of streams in southern Ohio will undoubtedly disclose additional populations of *G. minus* and may well provide new records for other species of crustacea.

**LITERATURE CITED**


