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# New Records of Pasimachus Elongatus in Michigan (Coleoptera: Carabidae: Scaritini)

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## NEW RECORDS OF PASIMACHUS ELONGATUS IN MICHIGAN (COLEOPTERA: CARABIDAE: SCARITINI)

Pasimachus elongatus LeConte is a large (21–28 mm), flightless ground beetle which occurs from Michigan westward to Montana and south to Louisiana and Arizona. A search of major entomological collections and the literature revealed that only a few specimens have actually been collected in Michigan. Banninger (Rev. de Entomologia 21:481–511, 1950) did not specify where his Michigan specimens were taken. The United States National Museum has two specimens labelled "Mich.", one collected by C. V. Riley and one by W. Robinson, and seven specimens from St. Joseph (Berrien Co.), Michigan collected by H. G. Butler between 14 July and 19 August 1938.

In 1979 five barrier-type pitfall traps were installed in the Barry County State Game Area (T3N, R10W, Sec. 22, Barry Co.), Michigan to sample the carabid fauna. The soil in the area is sandy and covered with lichens, moss, and herbaceous vegetation. The overstory is scattered, mature black oak with an understory of "scrub" oak and black cherry.

A single *Pasimachus elongatus* was captured on 10 June 1979; three additional specimens were taken on 17 June 1979. Another specimen was taken from the same area on 28 June 1980. These captures represent new county records, and are significant because the site is 60 miles northeast of the St. Joseph locality. Also, *P. elongatus* has apparently not been taken in Michigan since 1938. However, it is possible that this species occurs in scattered localities throughout southwestern Michigan in areas of open woodland with sandy soil.

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