

AN APPARENT SIZE DIFFERENCE
BETWEEN NORTHERN UNITED STA-
TES AND TEXAS SPECIMENS OF *MA-
CROMIA PACIFICA* HAG. (ANISO-
PTERA: MACROMIIDAE)

During the past five years I have collected and measured 14 ♂ and 3 ♀ adult specimens pertaining to this species. All were collected in McLennan Co., Texas, from the South Bosque River and Hog Creek. E.B. WILLIAMSON (1909, *Proc. U.S. natn. Mus.* 37: 369-398, pls. 35-36) published measurements of *pacifica* based on 25 ♂ and 7 ♀ specimens, most of these from Indiana, save for 1 ♂ and 1 ♀ from Waco, Texas, 1 ♀ from Milwaukee, Wisconsin, 1 ♂ and 1 ♀ from Mahomet, Illinois, and 1 ♂ from Kappa, Illinois. His measurements (abdomen incl. app.: ♂ 48.5-53.0 mm, mean 50.9; ♀ 46.5-53.5 mm, mean 50.6; — hind wing: ♂ 41.5-48.0 mm, mean 45.3; ♀ 44.5-49.5 mm, mean 47.3), given for the entire material, without distinction between localities, indicate that *pacifica* is approximately the size of *M. annulata* Hag. and *M. georgina* (Sel.). My specimens, however, are notably smaller than those species and Williamson's specimens of *M. pacifica*.

Mrs. L.K. Gloyd (Ann Arbor, Michigan) most kindly sent to me the measurements of the *pacifica* specimens in the E.B. Williamson Collection, University of Michigan, Ann Arbor, Michigan. All of these are from Bluffton and the Wabash River, Wells Co., Indiana, except for 1 ♀ from Murray Co., Oklahoma. They are shown in Table I along with my McLennan material.

On the basis of this evidence it is apparent that the size of the specimens of *M. pacifica*

Table I — Comparative measurements of adult from Indiana, Oklahoma and Texas

Material	Length (in mm), range (<i>mean</i>)		
	Total (incl. app.)	Abdomen (incl. app.)	Hind wing
Indiana 11♂, 5♀	♂ 69.0-75.9 (71.71)	45.5-54.5 (51.67)	41.8-46.5 (44.25)
	♀ 71.6-74.7 (72.72)	51.8-55.2 (52.94)	45.1-47.8 (46.58)
Oklahoma 1♀	♀ 67.3	49.8	44.0
Texas 14♂, 3♀	♂ 62.0-69.0 (65.36)	45.0-51.0 (47.50)	40.0-42.0 (41.14)
	♀ 66.0-69.0 (67.33)	48.0-50.0 (49.00)	44.0-46.0 (45.33)

tends to decrease in the North-South direction.

C.E. Williams, 704 Foster Street,
Marlin, Texas 76661, United States.