

NEW DISTRIBUTION RECORD FOR THE PARASITIC
WASP *MOSEERINA MACULATA*
(HYMENOPTERA: EULOPHIDAE)

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ABSTRACT

Moserina maculata Delucchi was reared from leaf galls of *Pithecellobium unguis-Cati* (Linnaeus) found in northern Dade County, Florida.

In 1967 I noticed a heavy infestation of leaf galls on *Pithecellobium unguis-Cati* (Linnaeus) in northern Dade County, Florida. There were 20-30 galls per leaf. The galls ranged from 1/8-1 mm in diameter.

Examinations in February revealed pupae and adults of a gall wasp, *Tanaostigmodes* sp. (Tanaostigmatidae). In August, gall bearing leaves were sent to Dr. B. D. Burks of the U. S. National Museum, Washington, D. C., who reared specimens of *Moserina maculata* Delucchi from the galls. *M. maculata* is recorded as a primary internal parasite of psyllids found in galls in hackberry, *Celtis occidentalis* Linnaeus (Moser 1965).

M. maculata has been collected from S. Dakota, Minn., Kan., Okla., Tex., Ark., Tenn., Ohio, W. Va., Pa., N.Y., N. Carolina, Ga., and La. (Moser 1965). The Dade County record is a significant extension of its known distribution.

Delucchi (1962) described *M. maculata* and reported that among the genera of Eulophidae mentioned in the Synoptic Catalog of Hymenoptera of America North of Mexico (1951) or discovered by different authors in the faunas of non-nearctic regions, there is none that includes the species reared by J. C. Moser, from *Pachypsylla* species on *Celtis*.

Appleby and Neiswander (1962) found that of 100 gall cavities examined at Wooster, Ohio 19 August 1960, 47% of the psyllid nymphs were parasitized. Another count 17 September 1960 showed 51% parasitism. *Moserina maculata* accounted for 7% of the parasitism.

I am making further studies to determine the interrelationships among *Moserina maculata*, *Tanaostigmodes* sp., and the gall maker, which is probably a psyllid.

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LITERATURE CITED

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FIRST INTERNATIONAL CONGRESS OF SYSTEMATIC AND EVOLUTIONARY BIOLOGY

The Society of Systematic Zoology and the International Association for Plant Taxonomy have joined forces to develop this first opportunity for botanical/zoological interaction at the international level. The University of Colorado (Boulder, Colorado) has extended a gracious invitation to meet on that campus August 4-11, 1973.

Program plans at this point encompass interdisciplinary symposia and contributed paper sessions. The botanists will not convene a nomenclatural section, but a zoological one on this subject is anticipated. In the next few months the outline of the program and other activities will begin to take form. All suggestions will be gratefully received, carefully considered, and as many adopted as practical or feasible. Correspondence may be addressed to Dr. James L. Reveal, Department of Botany, University of Maryland, College Park, Maryland 20740.