

ON THE DISTRIBUTION OF *CERATOSMICRA METEORI* AND *C. PAYA* (HYMENOPTERA: CHALCIDIDAE) IN NORTH AMERICA¹

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ABSTRACT: New distribution data for *Ceratasmicra meteori* in California, Arizona, and Florida (U.S.), and for *Ceratasmicra paya* in Florida and Kentucky (U.S.), Baja California Sur, and Jalisco (Mexico), are presented.

While identifying material of the hymenopteran family Chalcididae, new distribution data for two species in the genus *Ceratasmicra* Ashmead were discovered. *Ceratasmicra meteori* Burks was previously known from Mexico and in the United States from Massachusetts south to North Carolina, west to Illinois, Louisiana, Texas and Washington (Burks 1979); the new data are from California, Arizona, and Florida. *Ceratasmicra paya* Burks was previously known in the United States from Georgia, Illinois, Montana, Kansas, Texas, and California (Burks 1979); the new data are from Florida, Kentucky (United States) Baja California Sur, and Jalisco (Mexico).

Depositories for voucher specimens are as follows: California Academy of Sciences, San Francisco (CAS); California Department of Food and Agriculture, Sacramento (CDFA); Florida Department of Agriculture and Consumer Affairs, Gainesville (FDA); Fresno County Agricultural Commissioner's Office, Fresno, CA (FCACO); University of Kentucky, Lexington (UKL); Utah State University, Logan (USU).

Locality data for the distribution records are as follows:

Ceratasmicra meteori Burks

UNITED STATES. ARIZONA, Pima Co.: 1 ♀, Organpipe National Monument, Williams Spring, II-15-1970, P.H. Arnaud Jr. (CAS). CALIFORNIA, Fresno Co.: 1 ♀, Jose Basin Road, X-15-1982, N.J. Smith and W.F. Peregrin (FCACO). Tulare Co.: 1 ♀, Ash Mountain, Kaweah Power Station #3, X-8-1982, J.A. Halstead (personal collection). Tehama Co.: 7 ♀ reared from *Schizura concinna*, S. Wulfert (CDFA), San Diego Co.: 1 ♀, Borrego State Park, Clark Lake-North end, III-23-1978, Wasbauer, Slansky, and Adams (CDFA). FLORIDA, Alachua Co.: 3 ♀, 1 ♂, Gainesville, Doyle Conner Building, Malaise trap, IX-8, 16, 23-1973, H.V. Weems Jr.: sweeping *Juniperus salicicola*, XI-15-1973, E.E. Grissell (FDA). Alachua Co.: 3 ♀, 2 ♂, Gainesville, Pierce's homestead, S9-T10S-R18E, Malaise trap, III-24-1976, I-5-9-1976, IX-24-1973, XII-21-1973 (FDA). Columbia and

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Baker Co. Line: 1♀, Osceola National Forest, Malaise trap, X-21-XI-22-1976, J.R. Wiley (FDA). **Suwannee Co.:** 1♂, Suwannee River State Park, Malaise trap, IV-13-25-1977, J.R. Wiley (FDA). **Highlands Co.:** 4♀, Archbold Biological Station, X-8-1964, P.H. Arnaud Jr. (CAS); insect flight trap, XII-19-20-1978, H.V. Weems Jr. and S. Halkin (FDA).

Ceratosmicra paya Burks

UNITED STATES. FLORIDA. **Alachua Co.:** 1♀, Gainesville, Pierce's Homestead, S9-T10S-R18E, Malaise trap, X-4-1973 (FDA). KENTUCKY, **Fayette Co.:** 1♀, Lexington, Malaise trap, VI-3-6-1975, P.H. Freytag (UKL).

MEXICO. BAJA CALIFORNIA SUR, 3♀, Sierra de la Laguna, La Laguna, 17.3 air mi. ENE. Todos Santos, 6000 ft, Malaise trap, XII-14-16-1979, M. Wasbauer (CDFA). JALISCO, 1♂, 10 mi. N. Guadalajara, VIII-21-1976, W.J. Hansen and M. Schwartz (USU).

These new data, though not involving large discrepancies from their previously known spotty distributions, are significant in expanding the distribution of both *C. meteori* and *C. paya*.

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