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NEW RECORDS OF THRIPS IN ILLINOIS (INSECTA, THYSANOPTERA)

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Despite the most careful searches, additional species and records to faunal and floral reports are often discovered after these reports are published, and the faunal report "The Thrips of Illinois" (Stannard 1968) proved to be no exception.

The following thrips have been found recently to be in Illinois or their ranges have been found to be expanded since the original surveys. Several of the new records resulted from intensive monitoring of insects on soybeans (Irwin et al. 1979) and alfalfa in the past few years in southern Illinois.

Preserved specimens upon which these records are based are deposited in the collections of the Illinois Natural History Survey, Urbana, Illinois.

Terebrantia

Aeolothripidae

Aeolothrips fasciatus (Linneaus)

Previously our collections of this species were taken only in the northern half of the state. Because Whitcomb and Bell (1964) had reported this species in cotton fields of Arkansas in the spring or early summer ("early in the season"), it was assumed that this species eventually would be found in southern Illinois. In Arkansas, these authors did not find *A. fasciatus* after "hot weather" set in. We found this species to be present in southern Illinois from June through September.

New County Records

Jackson County.—Carbondale; June through July 1980; E. Armburst and P. Watson; on alfalfa; females and males.

Monroe County.— Waterloo; July 21, 1971; T. Cooley; on soybeans; female.

Pope County.— Robbs, Dixon Springs Agriculture Center; June 26, 1975; M. Irwin and L. Stannard; on soybeans; females.

Robbs, Dixon Springs Agriculture Center; September 30, 1980; L. Stannard; on alfalfa; females.

St. Claire County.—Belleville; June through July, 1980; E. Armburst and P. Watson; on alfalfa; females and males.

As observed by Whitcomb and Bell (1964), these predaceous thrips appeared to be associated with the flower trips, *Frankliniella tritici* (Fitch), upon which they may prey. In our observations in 1980, *A. fasciatus* and the native *A. bicolor* Hinds fluctuated in abundance according to the rise and fall of the flower trips populations in the alfalfa fields. At Carbondale, *Stomatotrips crawfordi* Stannard, another presumed predaceous thrips, was taken occasionally with the two aforementioned species of *Aeolothrips* in nets swept over alfalfa and weeds.

Thripidae

Dendrothrips ornatus (Jablonowski)

Collections made in the 1950s and 1960s showed that this introducted thrips was common in the northern two-thirds of Illinois on privet hedge and lilac. The following new record indicates that this species probably is state-wide in distribution and also can become abundant in extreme southern Illinois.

New County Record

Pope County.—Golconda; June 4, 1981; L. and M. Stannard and M. Barger McCormick; on leaves of lilac; females and males in high numbers.

Chirothrips vestis Hood

This relatively small, spiny species turned up in southeastern Illinois in 1971 in Berlese samples of grass clumps. It seems to be another member of the fauna predominately centered in the Cumberland Plateau region that barely extends into Illinois.

New Illinois Record

Hardin County.—Karber's Ridge; October 1, 1971; L. Page and L. Stannard; from *Schizachyrium scoparium* (Michx.), formerly *Andropogon scoparium* Michx.; females.

Tubulifera

Phlaeothripidae

Nesothrips (Gastrothrips) callipus Hood

First discovered and described from Texas (Hood 1935), this little known species was taken, as a stray specimen, in 1975 on soybeans growing near a forested area. Hood found the type material on dead branches, its most likely habitat. We observed that when disturbed the female curled the tip of its abdomen over its back, staphylinid style.

New Illinois Record

Pope County.—Robbs, Dixon Springs Agriculture Center; June 26, 1975; M. Irwin and L. Stannard; on soybeans; female.

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