

## GENERAL NOTES

### THE OCCURRENCE OF *POANES YEHL* (SKINNER) (HESPERIIDAE) IN KENTUCKY

The first known Kentucky specimens of the Yehl skipper, *Poanes yehl* (Skinner), were taken 15 and 16 September 1979, during a field meeting of the Society of Kentucky Lepidopterists. Males and females in condition varying from fresh to slightly worn were collected by Richard A. Henderson, Leroy C. Koehn, John S. Nordin, and the author in two localities in Fulton County, the westernmost of Kentucky counties.

Both sites were within 5 miles of the Tennessee border. The first captures were in and around swampy woods where State Rd. 94 crosses Little Bayou de Chien, 2.5 miles east of Cayce. The butterflies were visiting blossoms of climbing hempweed, *Mikania scandens* (L.) and goldenrod, *Solidago* sp., or resting on foliage near the ground.

The second site was along a dirt road south from State Rd. 1282 in the Reelfoot National Wildlife Refuge. Swampy woodland bordered the dirt road on one side and soybean fields the other. Several *P. yehl* were taken by the author on blossoms of ironweed, *Vernonia* sp., and at rest on vegetation near the ground. The latest taken in the day was after 5:00 P.M., almost at sunset.

Other species of particular interest collected at these localities were *Euphyes dion* (Edwards) and *Lethe portlandia missarkae* Heitzman & dos Passos (both sites), and *Lethe appalachia* R. L. Chermock (common at the first site). These records are the first for these species in September in Kentucky. Collections of these and others of the 46 species recorded during the trip were made by William R. Black, Jr., and James R. Merritt, in addition to those named above.

On 21 June 1980, *P. yehl* was observed in both localities mentioned above by Henderson, Nordin, and Loran Gibson in company with *E. dion* and *Poanes viator* Edwards. The Yehl skipper was seen on flowers of button bush, *Cepha'anthus occidentalis* L., American germander, *Teucrium canadense* L., and red clover, *Trifolium pratense* L.

Finally, the author took 1 female Yehl skipper on mistflower, *Eupatorium coelestinum* L., in Graves County, Kentucky, at a field-woods interface on the Bell farm near Kaler. This record extends the known range about 30 miles northeastward from the Cayce site. That site was also visited on 13 and 14 September 1981, and *P. yehl* were moderately common. Many were seen on late thoroughwort, *Eupatorium serotinum* Michx., as well as flowers listed above for 1979.

These records for *P. yehl* may extend the known range slightly northward in its western extremity. Howe (1975, *Butterflies of North America*, Doubleday & Co., Inc., Garden City, New York, p. 456) reports it from Tennessee, and J. R. Heitzman (pers. comm.) says it is "very local in extreme southern Missouri." This addition brings the Kentucky state butterfly list to 132 recorded species.

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### RESPONSES BY BUTTERFLIES TO SEASONAL CONDITIONS IN LOWLAND GUANACASTE PROVINCE, COSTA RICA

The recent report on *Agrias* in Costa Rica (DeVries, 1978, *J. Lepid. Soc.* 32: 310) warrants further comment with regard to the locality of capture for *A. amydon* Hew. *Agrias amydon* was captured in the Santa Rosa National Park in the lowlands of the