

ODONATA COLLECTED DURING THE
GREAT SMOKY MOUNTAINS POST-

-SYMPOSIUM TOUR OF THE Xth INTERNATIONAL SYMPOSIUM OF ODONATOLOGY

The Post-Symposium Tour held in conjunction with the Xth International Symposium of Odonatology at Johnson City, Tennessee, U.S.A., Aug. 6-11, 1989, was a two-day trip to Great Smoky Mountains National Park and surrounding areas. The 41 participants left Johnson City on Aug. 12, stopping first at the Nolichucky River, Hwy 321, in Greene County, Tennessee. Thirteen species were collected [c=common, u=uncommon, e=exuviae only]: *Calopteryx maculata* (c), *Hetaerina americana* (c), *Argia apicalis* (c), *A. moesta* (c), *A. sedula* (c), *A. translata* (u), *Enallagma exsulans* (c), *Ischnura posita* (u), *Dromogomphus spinosus* (u), *Erpetogomphus designatus* (u), *Stylurus spiniceps* (e), *Macromia illinoensis* (u), *Plathemis lydia* (u). The single *Macromia* male had the typical color pattern of *illinoensis* (auricle black, no yellow antehumeral stripe, very little yellow on abdomen), yet the hamule tip was elongate and slender as in *georgina*. This specimen is similar to others I have collected at numerous localities across the central U.S., and the question remains whether they are from a hybrid zone where the ranges of *georgina* and *illinoensis* overlap, or whether *georgina* and *illinoensis* are the southern and northern forms of a single variable species.

The second stop this day was at the Pigeon River, Hwy 215 bridge south of Canton, Haywood County, North Carolina. The group collected 13 species: *Calopteryx maculata* (c), *Argia apicalis* (u), *A. fumipennis violacea* (u), *A. moesta* (c), *A. translata* (u), *Enallagma exsulans* (u), *Ischnura posita* (u), *Boyeria vinosa* (u), *Stylurus spiniceps* (e), *Macromia illinoensis* (e), *Neurocordulia yamaskanensis* (e), *Pantala flavescens* (u), and *Plathemis lydia* (u).

Late the first day and early the next day we collected for a short time at Soco Creek, in Cherokee, Jackson County, North Carolina. The main species of interest was *Calopteryx amata*. Also seen or collected here were *C. maculata*, *Lestes rectangularis*, *Argia moesta*, *Ischnura posita*, *Anax junius*, *Boyeria* sp. (sight only, probably *grafiana*), and *Libellula lucuosa*. Further observation of *C. amata* was possible on the Oconaluftee River north of

Cherokee in Swain County, North Carolina. This was followed by sightseeing through Great Smoky Mountains National Park.

The final stop on the tour was at the Little Pigeon River along Hwy 321, Sevier County, Tennessee. Six species were recorded: *Calopteryx amata*, *C. maculata*, *Argia moesta*, *Boyeria* sp. (sight only), *Hagenius brevistylus*, and *Stylogomphus albistylus*.

Although no species range extensions were obtained during the Tour, the collection of *Calopteryx amata* in Jackson and Swain counties in North Carolina and in Sevier County in Tennessee are new county records near the southwestern edge of this rather rare species' range (see C. JOHNSON, 1974, *Fla Ent.* 57: 231-248). The Aug. 13 record also extends the known flight season for *C. amata* by one week.

K.J. Tennessen, 1949 Hickory Avenue, Florence, Alabama 35630, United States.