

## SCIENTIFIC NOTES

## CONENOSE BUG AND TRYPANOSOME OBSERVATIONS FOR 1955-56 FROM SOUTHWESTERN NATIONAL MONUMENTS

Cooperative collecting by Park Superintendents, rangers and naturalists during 1955 revealed 37 *Triatoma* from the following sources: Montezuma Castle, 1 ♂, 3 ♀ *protracta*, 1 ♂ *recurva* (*longipes*); Tonto, 2 ♂, 1 ♀ *protracta*, 5 ♂ *recurva*, 9 ♂, 8 ♀ *rubida uhleri*; and Tuzigoot, 2 ♂, 2 ♀ *protracta* and one 5th nymph, 1 ♂, 1 ♀ *rubida uhleri*. Additionally 1 ♂, 1 ♀ *rubida uhleri* were forwarded from Clarkdale, Arizona. The Montezuma Castle *recurva* was found on sheets in the bedroom, and the female *protracta* were collected from the living room wall, under a bed pillow, and in a covered wooden box for garbage cans between residences (G. S. C.). The Tonto specimens all came from outer residence walls (P. W.). One Tuzigoot male *protracta* was found in the Museum, the female *protracta* in the residence bathtub and the 5th instar *rubida* nymph in the residence (J. W. S.).

Examination microscopically of the feces of 22 *Triatoma* for 1955 from Montezuma Castle, Tonto and Tuzigoot revealed 1 ♂ *protracta* from Montezuma Castle, and 1 ♂, 1 ♀ *protracta* and 1 ♂, 1 ♀ *rubida uhleri* at Tuzigoot naturally infected with a trypanosome morphologically indistinguishable from *Trypanosoma cruzi* Chagas. Thus, the infection rate for these *Triatoma* was 22.7%. The male Montezuma Castle *protracta* was found in the residence screened back porch (G. S. C.). The male Tuzigoot *protracta* was found in the Museum and the female collected in the residence bathtub. The male Tuzigoot *rubida uhleri* was found in the residence and the female in the office (J. W. S., F. R. P.). Additional house invading arthropods received included 1 soldier bug, *Sinea*, 4 ♂, 1 ♀ brown assassin bugs, *Reduvius personatus*, and 1 ♂ squash bug, *Anasa tristis*.

Summer collecting for 1956 included 48 *Triatoma* as follows: 2 ♂ *protracta* from Arches; 1 ♂, 2 ♀ *protracta* from Chaco Canyon; 1 ♂, 2 ♀ *protracta* and 2 ♀ *rubida uhleri* from Montezuma Castle; 2 ♂ *protracta*, 3 ♀ *rubida uhleri* and 2 ♂ *recurva* from Montezuma Well; and 5 ♂, 2 ♀ *protracta*, 2 ♂, 6 ♀ and one 5th nymph of *rubida uhleri* from Tuzigoot. The Arches *protracta* were collected in beds (B. E. W.). The Montezuma Castle female *protracta* came from a living room and a bedroom wall while one *rubida* was taken from the residence living room wall in the evening and the other was found in a child's sock when dressing (G. S. C.). For the Montezuma Well *recurva*, G. R. Wenger reports one "landed on me at the Well just after dark", and the other was found on the outside of the residence screen door. Additional Arizona *Triatoma* included 1 ♂ *rubida uhleri* from a garage in Globe, one 5th *rubida uhleri* nymph from a mining cabin in Sycamore Canyon, and 1 ♂ *protracta*, 3 ♂ and 4 ♀ *rubida uhleri* from residences in Clarkdale. One male house invading brown assassin bug, *Reduvius personatus*, was received from Aztec Ruins. Most of these *Triatoma* were not examined for trypanosomes since equipment was unavailable. One female *protracta* reported above from Chaco Canyon and 1 ♂, two 5th, one 4th, and one 2nd instar nymphs of *Triatoma protracta woodi* collected 10 miles south of Gran Quivira, Socorro County, New Mexico were negative for trypanosomes.

This is the first report of recovery of *Triatoma* naturally infected with *Trypanosoma cruzi* from Montezuma Castle and Tuzigoot National Monuments.

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