

PROCEEDINGS OF THE HELMINTHOLOGICAL SOCIETY OF WASHINGTON

VOLUME 2

WASHINGTON, D. C., JULY, 1935

NUMBER 2

The rules of nomenclature as applied to the anopluran genus *Pedicinus* Gervais. H. E. EWING, U. S. Bureau of Entomology and Plant Quarantine.

It has been pointed out by Ferris (1934, Stanford Univ. Pub., Univ. Ser., Biol. Sci., 2 (7):34) that Gervais misidentified his type species of *Pedicinus* and that instead of having *Pedioulus eurygaster* Burmeister he had what was later described by Piaget as *Pedicinus longiceps*. It has been further shown that the type species of *Phthirpedicinus* Fahrenholz, *P. micropilosus* Fahrenholz, is only a synonym of *Pedicinus eurygaster* (Burmeister). Thus the nomenclature of the genera *Pedicinus* and *Phthirpedicinus* becomes involved. In regard to what species is to be considered as the type of *Pedicinus*, Ferris states: "The view is here adopted that the type of the genus *Pedicinus* is properly that species which Gervais actually had before him and upon which he based his genus, not the species which he erroneously supposed that he had." He, therefore, makes *Pedicinus longiceps* Piaget the type of *Pedicinus*, although it was not described until many years after Gervais' genus was proposed.

The point involved, however, is covered by opinion 65 of the International Commission on Zoological Nomenclature, "Case of a Genus Based upon Erroneously Determined Species." In this opinion there is the following conclusion, "The Committee is of the opinion that as a specimen is the type of a species, so a species is the type of a genus, and hence that when an author names a particular species as the type of a new genus it is to be assumed that it has been correctly determined."

In opinion 65 the suggestion is made that in those cases where a writer specifically bases a new genus on specimens, and these specimens prove to be erroneously determined, that the matter be submitted to the commission for a decision. *Pedicinus*, however, was based on a species, not on specimens. The application of the rules of nomenclature would mean that *Pedicinus* Gervais (1844) supplants *Phthirpedicinus* Fahrenholz (1912). This transfer would leave the old generic complex, as we have come to know it, without a name, there being no subsequent synonym. The name *Eupedicinus* is here suggested for it.

Genus Eupedicinus, new name

With the characters of the family Pediculidae but in addition: Antennae indistinctly 5 segmented, the last 2 segments being poorly separated. Only 3 pairs of fully developed paratergal plates present on abdomen. All legs provided with subequal, slender, sharp claws.

Type species.—*Pedicinus longiceps* Piaget.

Two new pre-Columbian records of the American head louse, *Pediculus humanus americanus*. H. E. EWING, U. S. Bureau of Entomology and Plant Quarantine.

The variety *Pedioulus humanus americanus* was described in 1926 by the writer from material which had been taken from the scalps of pre-Columbian American Indian mummies. The specimens represented 10 lots and included a few adults, some nymphs and many eggs. Recently 2 additional lots of pre-Columbian material have been obtained.

Mr. H. B. Collins, Jr., of the Division of Ethnology, United States National Museum, brought to the writer hair tufts taken from an old Eskimo kitchen-midden, located three-fourths of a mile east of Gambell, northwest end of St.