

**A NEW GENUS, *NULLANA*, AND FOUR NEW SPECIES OF PERUVIAN GYPONINAE
(HOMOPTERA : CICADELLIDAE) ¹**

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SUMMARY

A new genus, *Nullana*, and four new species, *N. huallaga* n.sp., *N. scutella* n.sp., *N. deca* n.sp. and *N. sabora* n.sp. are described.

While sorting and identifying Peruvian Gyponinae a series of specimens was studied which appeared related to *Ponana* and *Curtara*. An examination of the male genital structures revealed the fact that the aedeagi had no parameres. Species of both *Ponana* and *Curtara* have well developed parameres. These closely related species are described and placed in a new genus, *Nullana*, which is described.

GENUS *NULLANA* N. GEN.

Crown broadly rounded, twice as wide as median length, head three-fourths as wide as pronotum. Margin of crown thick, transverse striae on and just above margin. Genital structures with elongate, narrow plates, long styles and single shaft aedeagi without parameres.

Type species: *Nullana huallaga* n.sp.

NULLANA HUALLAGA N.SP.
(Figs. 1 - 5)

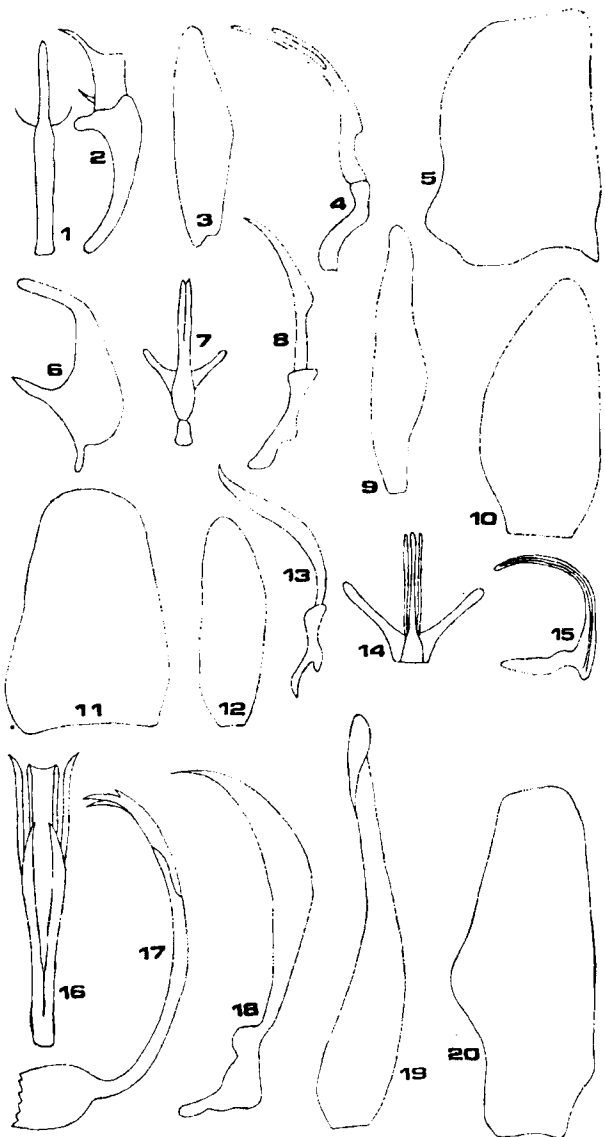
Length of male 9 mm., female unknown. Crown broadly rounded, twice as wide at base between eyes as median length, margin thick, clypeus slightly inflated. Color pale yellow tinged with white, crown, pronotum and scutellum pale yellow, basal angles of scutellum slightly darker yellow. Forewings white, opaque, with a few irregular brown spots; a large brown spot on middle of each wing at one third its length.

Male genitalia with plates more than three times as long as median width, apices rounded. Style long, narrow, apical third cleft, forming two long parallel, slender apices; the dorsal process is one third longer than the ventral process. Aedeagal shaft short, half as long as basal portion; basal portion of shaft almost as broad as long with a slender apical "finger", almost as long as base of shaft, arising on apical dorsal margin and curving dorsally. A short slender spur arises on dorsal margin of shaft near its base. Pygofer broad and blunt apically.

Holotype male Huallaga R. valley, tropical jungle 500 m.a.s.l., Huánuco, Perú, March 1954, F.L. Woythowski coll. Paratype: 1 male same data as holotype except Feb. 15. Both types in the North Carolina State University collection.

NULLANA SCUTELLA N. SP.
(Figs. 6 - 10)

Length of male 8.5 mm., female unknown. Crown broadly rounded, twice as broad at base between eyes as median length. Color pale yellowish brown; crown with a black spot at each side posterior to each ocellus. Pronotum with a black spot about half length of pronotum to each eye. Scutellum yellowish-brown with basal angles black. Fore-



NULLANA HUALLAGA N.SP.: 1, aedeagus ventrally; 2, aedeagus laterally; 3, plate laterally; 4, style laterally; 5, pygofer laterally. *N. SCUTELLA* N. S.P.: 6, aedeagus laterally; 7, aedeagus ventrally; 8, style laterally; 9, plate ventrally; 10, pygofer laterally. *N. DECA* N.SP.: 11, pygofer laterally; 12, plate ventrally; 13, style laterally; 14, aedeagus ventrally; 15, aedeagus laterally. *N. SABORA* N.SP.: 16, aedeagus ventrally; 17, aedeagus laterally; 18, style ventrally; 19, plate ventrally; 20, pygofer laterally.

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wings dull yellow with numerous scattered pale brown spots and with five larger brown spots on each wing, three on clavus along commissure, one near middle of costa and one on disc.

Male genitalia with plates more than four times as long as median width, apices narrow, rounded. Style with blade narrow at base, enlarged on ventral margin at about middle, then tapered to slender pointed apices which are curved dorsally. Aedeagus in lateral view broad at base, narrowed to a slender apical third which curves dorsally and is rounded at apex. In ventral view the shaft appears narrow, the apical third composed of two contiguous portions. Pygofer narrowed and bluntly rounded apically.

Holotype male Achinamiza, Peru, X-4-27, F 6001, H. Bassler collection Acc. 333, 991 in the American Museum of Natural History.

NULLANA DECA N. SP.

(Figs. 11 - 15)

Length of male 9 mm., female unknown. Crown broadly rounded, twice as broad at base between eyes as median length; conspicuous concentric striae on and just above margin. Coloration similar to *N. sabara* but more intensive. Pale yellowish brown, crown with a small black spot at base behind each ocellus. Pronotum with three spots in a horizontal broken line behind each eye. Scutellum with basal angles slightly darker than yellowish apical area. Forewings dull yellow with numerous small and large dark brown spots. The more prominent spots are one on middle of costa, each side, two on disc and three on clavus along commissure.

Male genitalia with plates three times as long as median width, apices rounded. Style long, slender, at least eight times as long as wide, curved apex pointed at tip. Aedeagal shaft long, tapered from base to middle, apical half curved dorsally, apex blunt; a long slender process arises each side at base, is contiguous with and extends to apex of shaft. Pygofer with apex broadly rounded.

Holotype male Juanjul, San Martin, Peru, Dec. 5, 1946,

alt. 1600 ft., J.C. Pallister Coll., Frank Johnson donor, in the American Museum of Natural History. Paratype, 1 male Monson Valley, Tingo Maria, Peru, X-26-1954, E.I. Slinger & E.S. Ross colls. in the California Academy of Science.

NULLANA SABORA N. SP.

(Figs. 16 - 20)

Length of male 9 mm., female unknown. Crown twice as wide as median length, conspicuous curved striae on and just above margin. Ocelli equidistant between eyes and median line. Color, crown buff with a black spot at base posterior to each ocellus. Pronotum buff mottled with pale brown, a round black spot posterior to each eye at about one-third length of pronotum. Scutellum buff with brown basal angles. Forewings white mottled with dark brown especially on anterior, median costal and apical areas.

Male genitalia with long plates at least six times as long as width at one-third its length, apical two-thirds narrowed and apical portion curled. Style curved, sickle-shaped, broadened at middle, pointed apically. Aedeagus in lateral view long, slender, curving. In ventral view the aedeagal shaft is heavily sclerotized for three-fourths its length and the median third appears divided, the divided portions sharp pointed. The apical fourth appearing as four scarcely sclerotized spine-like processes, the two dorsal processes are longer and are also the outer portions. The two inner processes are shorter and appear connected by a membrane. Pygofer slightly narrowed and rounded at apex.

Holotype male Huallaga R. valley, tropical jungle 500 m.a.s.l. Huanuco Peru, Feb. 7, 1954, F.L. Woytkowski, coll. Paratypes, 1 male same data as holotype except Feb. 27, 1954; 1 male Tingo Maria, Peru, X-26-1964, alt. 2200 ft., J.C. Pallister Coll., Frank Johnson donor. Holotype and paratype in the North Carolina State University collection. Paratype in the American Museum of Natural History collection.