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A NEW GENUS AND TWO NEW SPECIES OF
DELPHACINE FULGORIDS

(Homoptera, Fulgoridae, Delphacinae)

By

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Reprinted from

ANNALS OF THE ENTOMOLOGICAL SOCIETY OF AMERICA

Vol. 44, No. 2, June, 1951

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(Homoptera, Fulgoridae, Delphacinae)

R. H. BEAMER¹

Pareuidella, new genus

Resembling *Euidella* but crown about one-third longer than basal width, narrowing toward apex and diaphragm with an avicephaliform brace just ventrad of aedeagal shaft.

Pareuidella spatulata n. sp., type of the genus.

Pareuidella spatulata n. sp.

Brachypterous form.—Resembling *Euidella weedi* (Van D.) but smaller, usually lighter in color, with styles of males spatulate, anal segment with a pair of long processes and aedeagus with a pair of very long caudoventrally projecting movable processes. Length ♂, 2.3 mm.; ♀, 2.7 mm.

Structure: Front almost twice as long as greatest width, widest on apical third, slightly more than half as wide at base as at apex, strongly tricarinate; crown about one-fourth longer than basal width, distinctly carinate; elytra reaching to about middle of abdomen, semihyaline, veins raised, apices truncate.

Color: General color stramineous, styles black on outer half.

Genitalia: In lateral view, anal segment with a pair of slender processes about as long as segment and extending at right angles to it; aedeagus almost straight, tapering slightly to sharp apex, dorsal margin of outer third with about nine short heavy teeth; aedeagal brace produced into a pair of ventrally curving, sharp-pointed processes almost as long as aedeagus; styles enlarged from base to apices, sides and apices sinuate. In caudal view, styles enlarged from base to apices, generally curved slightly in, apices more or less bifid, inner part slightly blunter and broader, aedeagal brace a pair of long sharp, pointed processes with apices slightly diverging.

Types.—*Holotype* ♂, *allotype* ♀, 37 ♂ and 36 ♀ *paratypes*, Thomasville, Ga., June 30, 1940, R. H. Beamer; other *paratypes*: 6 ♂ and 8 ♀ ♀, Chapel Hill, N. C., Aug. 31, 1936, R. H. Beamer; 2 ♂ and 1 ♀, same place and date, L. D. Beamer; 1 ♂, Raleigh, N. C., Oct. 16, 1938, P. W. Oman.

Macropterous form.—Like the brachypterous form except, with wings about one-third their length longer than the abdomen and at least in some cases slightly darker in general color.

Holomorphyte ♂, *allomorphyte* ♀ and 1 ♂ *paramorphyte*, Thomasville, Ga., June 30, 1948, R. H. Beamer; other *paramorphytes*:

¹Contribution No. 752 from the Department of Entomology, University of Kansas.

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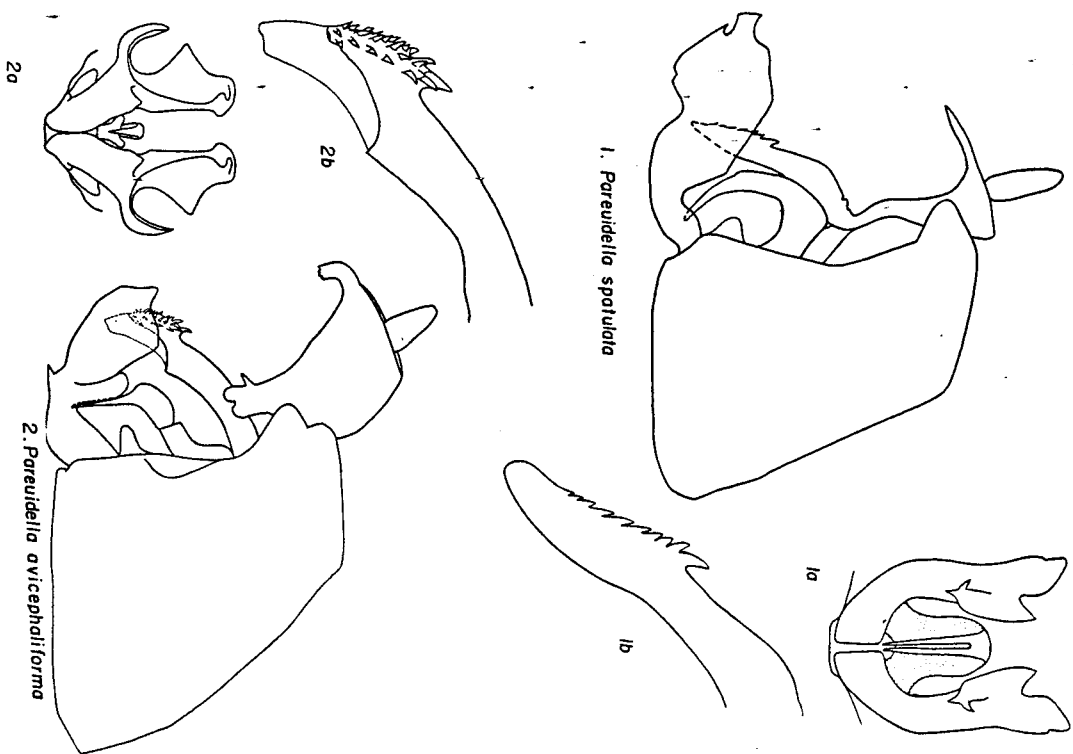


FIG. 1. *Pareuidella spatulata*, lateral view of genital capsule; 1a, caudal view of styles and aedeagal brace; 1b, aedeagus in lateral view, enlarged. FIG. 2. *Pareuidella ovicephaliforma*, lateral view of genital capsule; 2a, caudal view of styles and aedeagal brace; 2b, aedeagus in lateral view, enlarged.

1 ♂, Homestead, Fla., July 20, 1948, R. H. Beamer; 1 ♂, Royal Palm Park, Fla., July 21, 1948, R. H. Beamer; 1 pair, Ft. Pierce, Fla., Aug. 7, 1930, P. W. Oman, 1 ♀, Fruitville, Fla., Aug. 11, 1930, P. W. Oman, 1 ♂, Cocconut Grove, Fla., Aug. 9, 1930, R. H. Beamer.

Types in Snow Entomological Collection. Paratypes in U. S. National Museum.

***Pareuidella avicephaliforma* n. sp.**

Macropterous form.—Resembles *Pareuidella spatulata* but much larger, generally darker in color and male style with a thumb-like projection on outside margin near middle. Length ♂ 4 mm., ♀ 4.8 mm.

Structure: First segment of antennae just slightly shorter than second; front slightly more than twice as long as greatest width, widest on apical half, sides almost parallel in this region, narrowed to base, base slightly more than half as wide as at apex, strongly tricarinate; crown longer than wide, tapered to apex, carinae distinct; elytra extending almost half their length beyond abdomen, widest on outer fourth.

Color: General smoky brown with a spot on tip of clavus and veins of outer half of wings darker.

Genitalia: In lateral view, pygofer with posterior margin concave with angular point near base; anal segment with pair of rounded projections on outer corner and pair of very short sharp teeth on outer basal corner; aedeagus widest at base, slightly curved ventrally, ventral margin with broad angular enlargement near outer third, dorsal margin with about 10 sharp retrorse teeth on outer third, apex sharp avicephaliform; aedeagal brace avicephaliform, as long as aedeagus, beak long and sharp; styles enlarged on outer two-thirds, curved dorsally with a large blunt notch near middle of dorsal margin; in caudal view, styles bent in near middle, spatulate on outer half with a narrow thumb-like projection near middle of outer margin; aedeagal ventral process avicephaliform, almost as long as aedeagus and much same form, not divided as in *spatulata*.

Types.—*Holotype* ♂, *allotype* ♀, 8 ♂ and 9 ♀ *paratypes*, Suwanee Springs, Fla., July 3, 1948, R. H. Beamer; other paratypes, 2 ♂♂ and 3 ♀♀, New Smyrna, Fla., May 1, 1943, M. Wright; 1 ♂, Sebring, Fla., Aug. 5, 1930, R. H. Beamer; 2 ♂♂, Lake Placid, Fla., July 13, 1948, B. T. McDermott; 1 ♂, Royal Palm Park, Fla., July 21, 1948, R. H. Beamer; 3 ♂♂ and 5 ♀♀, Morrison Field, West Palm Beach, Fla., 1942, Elmo D. Hardy; 1 ♂ and 1 ♀, Fruitville, Fla., J. Nottingham; 3 ♂♂ and 2 ♀♀, Camp Polk, La., May, 1945, K. L. Maehler; 1 ♂, Sanford, Fla., June 22, 1931, at light.

Brachypterous form.—Like the macropterous form except elytra reaching to about middle of abdomen with truncate apices and generally lighter in color.

Holomorphotype ♂, *allomorphotype* ♀ and 1 ♀ *paramorphotype*, Okefenokee Swamp, Ga., July 30, 1934, R. H. Beamer.

Types in Snow Entomological Collection and paratypes in Ohio State University Collection.