

TWO NEW SPECIES OF ALLYGIANUS
(HOMOPTERA CICADELLIDÆ)

BY R. H. BEAMER

*Lawrence, Kansas**

ALLYGIANUS GUTTUROSUS (Ball)

Allygus gutturosa Ball, E. D., Can. Ent., XIII, p. 307, 1910.

This species, named from two males from Beaumont, California, has not been retaken. The following description of the male genitalia is taken from one of the males which is here designated Lectotype.

Genitalia: Valve about twice as long as preceding segment, triangular; plates wider at base than valve, about one and one-half times as long, outer margins almost straight, narrowing slightly to broad almost truncate apices which are slightly longer on inner margin. Pygofer with a huge S-shaped hook at apex, arising from inner margin near anal tube.

Allygianus merus Beamer, n. sp.

Resembling *Allygianus varius*, but vertex not so sharp, female last ventral segment with posterior margin sharply excavated near lateral margins, leaving a rather deep excavation with a slightly arched bottom, and male pygofers narrowed to quite short spines which merely curve toward each other. Length 6.25-7.5 mm.

Vertex in form about midway between *A. gutturosus* and *A. varius*; length is to width between eyes:: 3.5:7. Elytra heavily reticulate.

Color buff with frontal arcs of face visible on vertex from above; veins of elytra lighter, usually evenly bordered with fuscous; venter salmon pink to stramineous.

Genitalia: Last ventral segment of female almost three times as long as preceding; lateral margins with outer angles broadly rounded, posterior margin sharply excavated on outer third to a slightly produced median third. Male valve a little longer than preceding segment, broad, sharply angular; plates scarcely broader than valve at base, gradually narrowed to broad, angularly truncate, apices, longest on inner margin; pygofers narrowed to rather short black spines which curve gently in toward each other.

Holotype male, allotype female, four male and one female paratypes, Orange County, California, July 14, 1929, R. H.

*Contribution from Department of Entomology, University of Kansas. All types of new species in the Snow Collection. Illustrations by Miss Maxine Graham.

Beamer; three males and four females, San Diego County, California, July, 1929, P. W. Oman; three males and two females, Alpine, California, July 5, 1931, E. D. Ball; one pair, Elsinore, California, August 3, 1935, R. H. Beamer. Types in Snow Entomological Collection, paratypes in United States National Museum and collection of E. D. Ball.

Allygianus varius Beamer, n. sp.

Resembling *Allygianus gutturosus* Ball, but vertex of male decidedly more angular, the male plates longer and more slender with rounded apices, and the pygofer hook not in the form of S but just bent in and down. Length, 7 mm.

Vertex decidedly more angulate than in *A. gutturosus*, the disc quite distinctly concave; median length is to the width between eyes:: 3.75:6.5. Elytra heavily reticulate. Ocelli on margin of vertex, about two of their own diameters distant from eye.

General color buff. Vertex with dark frontal arcs, barely visible from above. Veins of elytra lighter, quite generally bordered with fuscous.

Genitalia: Last ventral segment of female almost twice as long as preceding, posterior margin angularly excavated to about one-sixth length of segment. Male valve slightly longer than preceding segment, angular; plates wider at base than valve, slightly narrowed to rather broad, rounded apices. Pygofer narrowed to long dark spines which curve down and toward each other instead of making the large S curve as in *A. gutturosus*.

Holotype male, allotype female and numerous paratypes, Big Bear Lake, California, July 26, 1932. Swept from *Arctostaphalus* sp.

EXPLANATION OF PLATE

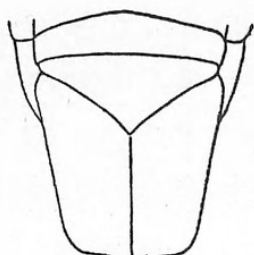
1. *Allygianus gutturosus*, head of male; 1a, view of male valve and plates; 1b, dorsal view of tip of abdomen showing hooks on pygofers.

2. *Allygianus merus* male head; 2a, male valve and plates; 2b, ventral view of tip of abdomen of female; 2c, dorsal view of tip of abdomen of male showing pygofer hooks.

3. *Allygianus varius* head of male; 3a, head of female; 3b, ventral view of tip of abdomen of female; 3c, valve and plates of male; 3d, dorsal view of tip of abdomen of male showing pygofer hooks.



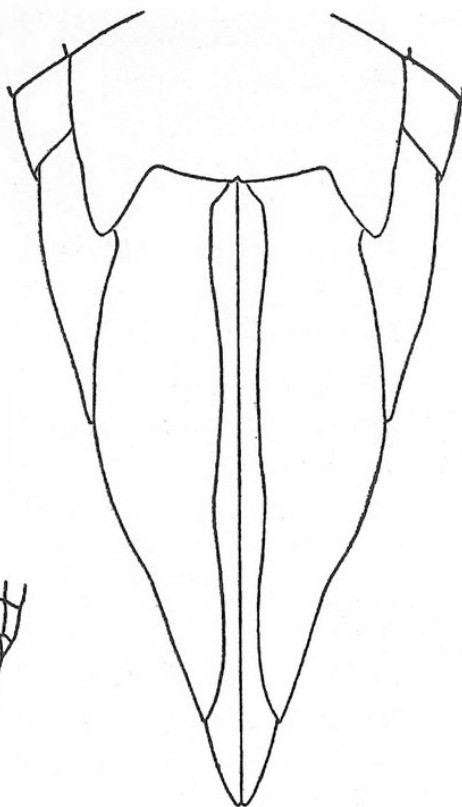
1. *Allygianus gutturosus* ♂



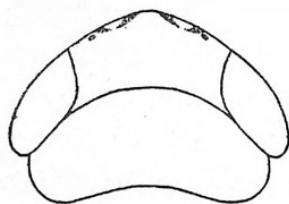
1a



1b



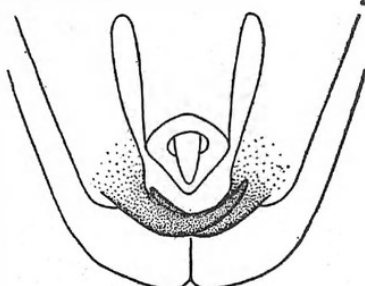
2b



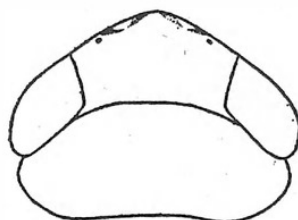
2. *Allygianus merus* ♂



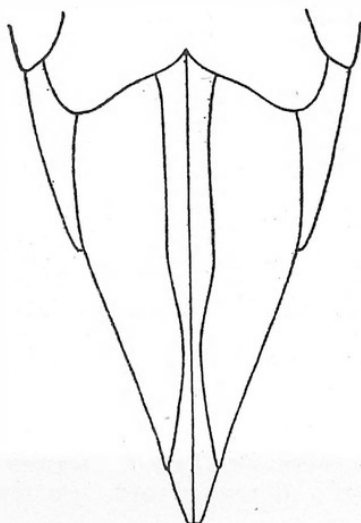
2a



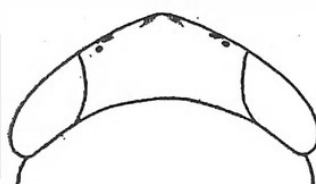
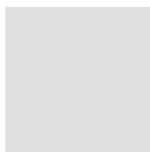
2c



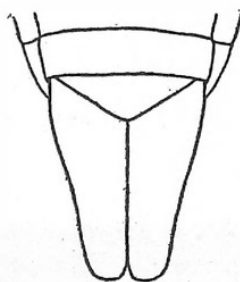
3. *Allygianus varius* ♂



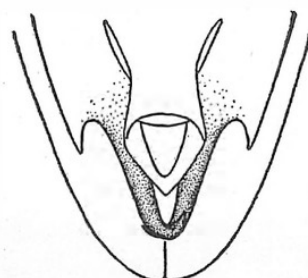
3b



3a



3c



3d



Beamer, R. H. 1938. "Two new species of *Allygianus* (Homoptera Cicadellidae)." *The Pan-Pacific entomologist* 14, 153–155.

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