

Hamilton, Trans. Am. Ent. Soc., Vol. XXII, p. 364, 1895.

Knull, Ent. News, Vol. XXXI, p. 8, 1920.

Packard, 5th Rept. U. S. Ent. Comm., p. 367, 1890.

Smith, Ins. N. J., p. 295, 1909.

Occurs on foliage of oak and hickory (Blatchley). Breeds in hickory, oak, locust, etc., (Smith). Attacks maple, dogwood, redbud, hickory, black walnut (this may refer to *juglandis* Knull), and probably infests butternut, box-elder, oak and perhaps locust (Chittenden). Hickory is host: reared from dead branches of persimmon (*Diospyros virginiana*) (Knull). On *Corylus americana* leaves and oak leaves (Frost).

A. juglandis Knull.

Knull, Ent. News, Vol. XXXI, p. 8, 1920.

Breeds in outer bark of living butternut (*Juglans cinerea*) (Knull).

A. frosti Knull.

From leaves of oak and hickory (Frost).

A. defectus Lec.

Knull, Ent. News, Vol. XXXI, p. 10, 1920.

Reared from dead branches of white oak (*Quercus alba*) (Knull). On oak leaves (Frost).

A. crnicornis Horn.

Frost, Can. Ent., Vol. XLVII, p. 144, 1915.

On leaves of red raspberry (Frost).

A. masculinus Horn.

Blatchley, Col. Ind., p. 799, 1910. +

Chittenden, Bul. 22, n. s., U. S. D. A., Div. Ent., p. 68, 1900.

Knull, Ent. News, Vol. XXXI, p. 10, 1920.

Stromberg, Can. Ent., Vol. XXVI, p. 36.

On box-elder (Stromberg). On foliage of buckeye (Blatchley). Reared from sapwood of dead box-elder (*Acer negundo*) (Knull). On red oak leaves (Frost).

A. arcuatus Say.

Blatchley, Col. Ind., p. 799, 1910.

Chittenden, Bul. 22, n. s., U. S. D. A., Div. Ent., p. 67, 1900.

Knull, Ent. News, Vol. XXXI, p. 10, 1920.

Ruggles, 17th Rept. St. Ent. Minn., p. 15, 1918.

Stromberg, Can. Ent., Vol. XXVI, p. 36.

This species is the oak twig girdler. The egg is deposited on the side of the twig near the terminal bud, and the resulting larva encircles the twig beneath the bark, causing the death of the part beyond the burrows. The adults feed on the foliage, eating out irregular patches near the edges of the leaves.

Reared from girdled branches of beech (*Fagus americana*) and hickory (*Hicoria ovata*) (Knull).

A. arcuatus var. **coryli** Horn.

Blanchard, Ent. Amer. Vol. V, p. 32, 1889.

Blatchley, Col. Ind., p. 799, 1910.

Chittenden, Bul. 22, n. s., U. S. D. A., Div. Ent., p. 67, 1900.

Frost, Can. Ent., Vol. XLVIII., p. 386, 1916.

Hamilton, Trans. Am. Ent. Soc., p. 364, 1895.