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Audibertia Vaseyi, n. sp.—A low, branching shrub; flowering branches stout and rigid, the herbaceous upper portions whitish, cinereous puberulent and viscid-glandular; leaves lance-ovate, acute or obtusish, 1 to 1 ½ inches long, narrowed into rather slender petioles ⅛ to ⅜ an inch long, crenulate, not manifestly rugose, coated with a close whiteomentum; heads of flowers about 6, in virgate spikes, 1 to 2 inches apart, lower ones subtended by a pair of leaf-like bracts; the inner floral bracts lanceolate to linear, setaceously acuminate; broad upper lips of the calyx furnished with a single conspicuous awn, the two teeth of the lower one likewise awned; corollas from ⅔ to ⅞ of an inch in length, exceeding the bracts; stamens and styles exserted.

Mountain Springs, San Diego county, California, June 1880. This plant is No. 500 of a large and fine collection made last summer in lower California by Mr. G. R. Vasey, in whose honor it is named.—Thos. C. Porter, Easton, Pa.

Carnivorous Plants. V.—Experiment No. XII.—Placed upon a leaf a small fiber of muscle drawn from a piece of boiled beef, at 3 P. M., June 12, '79. The fiber was teased out from the mass of muscles and rolled into a ball having its diameter about 1-12 of an inch.

15 min. no change visible.
30 " a few of the submarginal tentacles had inflected slightly.
45 " the tentacles of last note nearly touched the specimen; a number of the other submarginal tentacles had moved considerably; a few of the marginal tentacles were also inflected.
1 hr. all the submarginal tentacles were more or less inflected and nearly all touched the meat; all but ten of the marginal tentacles were also inflected, varying in degree; the ten were still fully reflexed. To four of these another experiment was applied which will be fully explained in its proper place.
2 hrs. practically there was no change except that six of the ten marginal tentacles mentioned in last note had inflected slightly.
3 " no important change.
15 " all the tentacles were inflected and touched the meat except the four mentioned above which still normally reflexed.
24 " the edges of the leaf still remained normal.
48 " the meat upon the leaf seemed to be enclosed in a semi-transparent fluid containing fat globules as shown by removing a portion by a blunt needle and placing under the microscope. The globules were soluble in ether. The body of the meat itself had assumed a dark brown color. The tentacles and leaf remained the same as the last note.
72 " nothing but an opaque yellowish substance remained upon the leaf.
96 " there was but little change.
120 " the opaque substance upon the leaf had changed into a nearly transparent thickish fluid.