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A NEW SPECIES OF GONIOBASIS

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Goniobasis goodrichi, new species.

Description: Shell acutely conical, solid; the last half whorl rather thin; color light brown. Apex of shell eroded, leaving six whorls entire (probably a perfect specimen would have ten or twelve whorls). Suture well defined. Surface of whorl marked with twelve to fourteen plications, slightly curved and covering all except the last half whorl. Whorls with many microscopical revolving lines which on some of the earlier whorls amount to carinæ. Body whorl angular or subangular (in young specimens the angle of the periphery is sharp). Aperture is ovate, with sinus below; acutely angled above; outer lip a little sinuate; columella curved, a little reflected; parietal wall with a thin callus, darkly colored. Operculum ovate, thin, brown; polar point close to the base on the left side.

Seven specimens measure:

LENGTH	WIDTH	LENGTH OF APERTURE	WIDTH OF APERTURE
25½ mm.	9½ mm.	8½ mm.	5½ mm. Type
30	10½	10½	5½
26	9½	10	5½
25½	10	10	6
25	9½	9½	5½
25	10	10	5½
20½	9½	9½	5½

Type Locality: Tributary of Swan Creek, about five miles east of Aetna, Hickman County, Tennessee. Collected May, 1907, by A. A. Hinkley.

Remarks: The shell belongs to the group characteristic of Central Tennessee, the leading representative of which may be set down as *Goniobasis laqueata* Say. It differs from *Goniobasis curreyana* Lea, which, however, it approaches, in being acutely conical and in having microscopical revolving lines. It has not the bands of *G. duttonii* Lea, and is thicker and more attenuate. It is thicker, larger and the ribs are more strongly developed than in the case of *G. thorntonii* Lea. The shell more nearly resembles certain light colored specimens of *Goniobasis plicifera* Lea than any other species east of the Pacific coast region.

At the time the shells were collected they were identified as *Goniobasis athleta* Anth. Mr. Calvin Goodrich pointed out my error of determination and I have the pleasure of giving his name to this fine Goniobasis. The type specimen is in the Museum of Zoology, University of Michigan; co-types in my cabinet; author's examples in the National Museum, Philadelphia Academy of Natural Sciences, and in the collection of Dr. Bryant Walker of Detroit.



GONIOBASIS GOODRICHII HINKLEY.

TYPE SPECIMEN, SHELL $\times 3$, OPERCULUM $\times 4$.

