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PROCEEDINGS OF THE SOCIETY.

MEETING OF *April 7, 1885.*

VICE-PRESIDENT HARPEL in the chair, and twenty-two members present.

The name of E. S. Comings was proposed for membership.

This being the annual meeting, reports were read, as follows:

The report of the Treasurer, Mr. S. E. Wright, for the year ending April 7, 1885, showed the Society to be in a good condition financially. The following table indicates the receipts and expenditures of each year from 1871 to date.

Receipts and Expenditures, Cincinnati Society of Natural History.

YEAR	ENDING DUES, ETC.	INTEREST	TOTAL RECEIPTS	EXPENSES	SURPLUS	DEFICIT
April 1871	160 00		160 00	165 17		5 17
" 1872	385 00		385 00	364 22	20 78	
" 1873	416 36	21 08	431 44	324 93	106 51	
" 1874	553 95	21 08	575 03	456 34	118 69	
" 1875	558 30	26 08	584 38	531 40	52 92	
" 1876	347 54	45 08	392 62	415 95		23 33
" 1877	654 00	42 15	696 25	350 02	346 23	
" 1878	465 00	474 36	939 46	1460 03		520 57
" 1879	567 00	1212 41	1779 41	2219 32		439 91
" 1880	63 00	4676 04	5309 64	1825 01	3484 63	
" 1881	560 42	2761 05	3322 07	3439 37		117 30
" 1882	541 50	2980 02	3522 42	3704 93		272 51
" 1883	579 20	2704 89	3284 09	3444 78		160 69
" 1884	592 52	2474 13	3067 25	2982 52	84 73	
" 1885	449 09	2414 10	2863 79	2523 30	340 49	

A committee consisting of Chas. Dury, Edw. M. Cooper and Walter A. Dun, M. D., was appointed to audit the accounts and report.

NOTE: The JOURNAL is devoted to the Proceedings of the Society. Business notices, and papers read, constitute the Proceedings. The Publishing Committee is not responsible for views expressed by authors of

[The following papers were read at the July meeting of the Society, and are here printed at the special request of the Society]:

NOTES ON THE TERTIARY OF ALABAMA AND MISSISSIPPI, WITH DESCRIPTIONS OF NEW SPECIES.

BY T. H. ALDRICH.

Among a large mass of material collected during the past two years, the following species, principally from Mississippi, are believed to be new. The principal locality, Red Bluff, Miss., is no doubt a local bed, part of the Vicksburg group; but it seems to be rich in peculiar forms, besides having a large number of Vicksburg fossils proper. All are particularly well developed, and in a good state of preservation:

SOLECURTUS VICKSBURGENSIS, n. sp. Pl. 2, fig. 1. Shell, transversely-oblong; surface, obliquely grooved nearly all over; anterior end, smooth; posterior, with grooves meeting those on the posterior and dorsal margin at an obtuse angle; angular along the umbonial slope; anterior, truncated; posterior, rounded; ventral part, concave, lines of growth showing distinctly; beak, slightly raised, rounded, striated, on the anterior side of the shell. Two indistinct lines run across the center of the shell from the beak to the ventral margin; posterior tooth in left valve prominent. Height, $\frac{1}{10}$ of an inch; width, $1\frac{1}{10}$.

Locality, Vicksburg, Miss.

Only the left valve of the species is known. The interior being filled with matrix, no description can be made.

MUREX (PTERONOTUS) ANGELUS, n. sp. Pl. 2, fig. 2. Shell, oblong, with three spinous varices; whorls convex, seven; spire, elevated; surface, rough, showing three or four revolving lines on the body whorl; spines, channeled to the tips, nearly closed, small sub-spines between the larger ones; aperture, oval; outer lip, ridged; inner lip, reflected; canal, long, longer than the aperture, curving outward. Length, $1\frac{1}{10}$ inches; breadth, nearly $\frac{6}{10}$ of an inch.

Locality, Red Bluff, Miss.

are smooth, next six tuberculated; varices very numerous; nodes on the body whorl quite prominent, running lengthwise over the middle; labium dentate, one strong tooth at the upper end, small teeth in the middle, prominent ones on the lower part; outer lip dentate internally, thick; canal recurved, nearly closed, longer than the aperture. Length, $1\frac{8}{10}$ inches.

Locality, Red Bluff, Miss., also at Carson's Ck.

This splendid species resembles *T. Schowalteri* Con., but is distinguished by its size, recurved canal, the absence of the acute lines on the body whorl, and the nodes on the periphery being rounded and longitudinal; rather abundant. Named in honor of the late T. A. Conrad.

BUCCINUM VICKSBURGENSIS, n. sp., Pl. 2, fig. 9. Shell ovate-conic; whorls eight, moderately convex, gradually tapering; surface covered with raised revolving lines sharply defined; strong and fine lines alternating, longitudinally ribbed; ribs numerous, having a number of fine lines between; some specimens showing a regularly cancellated surface, others having nodes at the intersecting points; suture deep, and slightly open; apex slightly mammillated, smooth; spire prominent; body whorl with about ten prominent revolving lines, and an equal number of alternating finer ones; canal short, recurved; aperture one-third the length of the shell; columella striated below; outer lip with 9 to 10 raised lines, stopping short of the edge; margin undulating. Length, $\frac{9}{10}$ of an inch.

Locality, Vicksburg, Miss.

Resembles *B. Mississipiensis* Con., but is broader at base, more closely ribbed, and its volutions much less convex.

CONUS (CONORBIS) ALATOIDEUS, n. sp., Pl. 2, fig. 11. Shell coniform; whorls ten, slightly convex; suture shouldered, distinct; shell indented below the suture with close set longitudinal lines showing on this part; below, a number of raised lines; apex sharp; body whorl with a large number of close set raised lines on the lower part, a few finer ones alternating; aperture narrow; raised lines stop at the columellar lip, which is slightly sinuous, reflected

at the base, thickened above, outer lip large, almost semi-circular, with a notch on the upper part. Length, one inch.

Locality, Moody's Branch, Jackson, Miss.

This shell at sight would be taken for a *Pleurotoma*. It so nearly resembles *Conus alatus* Edwards from the English Eocene that it may be found on direct comparison to be the same species.

FASCIOLARIA JACKSONENSIS, n. sp., Pl. 2, fig. 12. Shell long oval, solid; whorls seven or eight, convex; surface with numerous revolving lines, and about eight ribs on each whorl; suture deep; apex sharp; longitudinal ribs on spire rounded and prominent, more faint on the body whorl, which is covered with raised lines, alternating with fainter ones; beak short, recurved; canal contracted; aperture oval; outer lip sharp, with revolving line reaching the edge, plicate within, plications about eight, not reaching the edge; inner lip angulated and toothed where it meets the canal; also three plications higher up; a callosity at the upper end; callus reflected over the body whorl, leaving a slight opening, or false umbilicus. Length, one inch; breadth, one-half inch.

Locality, Moody's Branch, Jackson, Miss.

This shell bears a wonderful resemblance to *Urosalpinx ciner* Say, and may belong to the Murices; it differs, however, in the plications on the inner lip; it is close to *Fasciolaria Moorci*, Gabb from Texas.

TURRITELLA BELLIFERA, n. sp., Pl. 3, fig. 13. Shell turritid subulate; whorls over fourteen; surface with numerous, prominent revolving striae, inequidistant, with a number of very fine lines between; lines of growth indistinct on the upper whorls, increasing toward the aperture; on the last whorl, and sometimes the one next above becoming plicate and leaflike; lines wavy, bent toward the sutures; mouth rotund, oval, longest axis with the shell contracted at the suture; suture indistinct; whorls shouldered on the upper part, bounded by a raised line which is itself divided in some specimens. Columella with a smooth callus spreading out in a semi-circle beyond the aperture. Length of part remaining, $3\frac{8}{10}$ inches; breadth, $\frac{7}{10}$.

Locality, Lower and upper beds at Bell's Landing, Ala.

