

TABLE II—CONTINUED.

3	3	.637	2 hours	162.4
	3	.601	4 hours	166.4
	3	.584	6 hours	167.9
	3	.557	8 hours	170.9
4	3	.655	2 hours	175.3
	3	.618	4 hours	179.1
	3	.610	6 hours	182.9
	3	.589	8 hours	184.3
5	3	.951	2 hours	131.9
	3	.940	3 hours	133.4
	3	.951	4 hours	131.0
	3	.896	6 hours	134.4
	3	.889	8 hours	134.6
6	3	1.535	2 hours	165.8
	3	1.495	3 hours	168.2
	3	1.493	4 hours	168.8
	3	1.453	6 hours	170.8
	3	1.396	8 hours	171.5

SOME DESMIDS OF CRAWFORDSVILLE. BY MASON B. THOMAS.

In looking over the bibliography of Indiana cryptogams we have been greatly surprised at the very meager representation of our Algæ. This we believe to be in some measure due to the lack of correlation of work already done in different parts of the State and upon which no report has been made.

The past spring one of our students, Mr. F. Corey, in working on some Algæ made a list of Desmids that we believe worth while to record. Nothing need be said about the list except that the determinations were carefully made and mounted specimens preserved of each form, together with notes on distribution, etc. It is the intention to prepare as complete a list as possible of Crawfordsville Algæ with a view to some studies on distribution. Permit us to suggest that

other records of such work should be presented for the benefit of those working on this group. Personally we should appreciate any such contribution as bearing on some work now in hand.

Closterium lanceolatum, Kg.,

Closterium moniliferum, Ehrb.,

Closterium Leibleinii, Kg., Var. *curtum*, West.

Staurastrum muticum, Berb.

Staurastrum botrophilum, Wolle.

Calocyclus Thwaitesii, Ralfs.

Penium Berbissonii (Mench), Ralis.

Penium margaritaceum, Berb.

Cosmarium pseudobroomci, Wolle.

Cosmarium granatum, Berb.

Cosmarium speciosum, Lund.

Cosmarium Holmiense, Var. *integrum*, Lund.

Cosmarium polymorphum, Nord.

Cosmarium Naegelianum, Berb.

Cosmarium Cordanum, Berb.

KARYOKINESIS IN THE EMBRYO-SAC WITH SPECIAL REFERENCE TO THE BEHAVIOR OF THE CHROMATIN. BY D. M. MOTTIER.

[Published in Jahrb. für wiss. Botan., Bd. XXX, 1897.]

NUCLEAR DIVISION IN VEGETATIVE CELLS. BY DAVID M. MOTTIER.

[Abstract.]

In my paper "Ueber das Verhalten der Kerne bei der Entwicklung des Embryosacks und die Voränge bei der Befruchtung,"¹ I gave a brief account of karyokinesis in the vegetative cells of *Lilium*. My remarks there are confined largely to the behavior of the chromatin, the formation of the spindle being only incidentally referred to. As regards the latter process, however, it is stated that the kinoplasm is present in a much

¹ Jahrbücher für wiss. Bot., Bd. XXXI, 1897.