

COLLECTIONS OF PLANTS MADE DURING 1894. BY M. B. THOMAS.

It was thought that it might be of some interest to those working in various parts of the State upon the Biological Survey, to hear regarding the botanical work that has been accomplished in and about Crawfordsville during the past year. In connection with the regular required work of the senior year, the students are expected to devote much of their time, especially during the last term, to the preparation of papers upon some special topics. The results of this work last year were presented to the Academy in a short paper, and it is the purpose of this abstract to add a few notes regarding the additions that have been made during the year to the material that will ultimately enable us to obtain a fairly comprehensive knowledge of the forms of plant life in our region. It must be recognized that much of the work, covering as it does a wide range of subjects, can not be pushed with the speed or exhaustiveness that would be desired, but since in all cases material is preserved and stored away with accurate and complete notes, it will in time leave but examination and ultimate determination, an easy task in comparison with the laborious work of systematic collection and preliminary determination.

One of the subjects upon which faithful and earnest work was done included a study of the trees and shrubs of our flora. This work was carried on by Mr. L. M. Gentry, and his painstaking efforts resulted in quite a large list of these plants to our region. His tabulated statements show, collected up to June 20, 116 species and varieties of trees and shrubs, representing twenty-seven orders and sixty-seven genera. This, when compared with the whole number already reported in the state, will be seen to be quite a goodly representation for so small an area. By a careful system of taking notes and marking trees, a record is preserved of each locality to assist in further studies.

The next subject of interest was the work on the mosses of our region, by Messrs. C. Gentry and E. W. Olive. Careful collections were made and the material studied very faithfully, but it is expected since the determination of species was done without any great supply of literature and no herbarium for comparison, that some inaccuracies in naming will appear when the material is submitted for final examination. The list, however, shows thirty species, representing nineteen genera.

The other problem of a systematic character undertaken by the students was carried on by Mr. Tom Moore, and was a study of the filamentous algae. Comparatively nothing upon this subject has been published from this state, and the work started by Mr. Moore was almost pioneer in this locality. Notwithstanding

the difficulties at present in the way of a systematic arrangement of the species of this group, because of the uncertainties in regard to the position of certain forms, Mr. Moore very carefully identified and preserved about twenty species. This represents a very small number of the forms studied, and as the work is now being continued by him under Dr. Farlow's direction at Cambridge, it is expected that some substantial record may be made to this part of our flora.

The list of parasitic fungi reported from our vicinity has been increased by Mr. Olive, much of it during the class work in this subject, until we now have 175 species and 250 hosts, twenty-seven species and forty-three hosts being new to the list published in the proceedings of last year. About forty species yet remain to be determined.

Work in the phanerogams has been continued and 204 species added to our local list. These do not include those in the report of Mr. Gentry on trees and shrubs.

The local list of pteridophytes now amounts to *nineteen*. We are yet far from the desired condition, but yearly additions are giving us better insight into our flora and enabling us to work to far better advantage than heretofore.

THE FLOWERING PLANTS OF WABASH COUNTY. BY A. B. ULREY AND J. N. JENKINS.

REVISION OF THE PHANEROGAMIC FLORA OF THE STATE. BY STANLEY COULTER.

[ABSTRACT.]

A review of work done during the year, including list of families studied in detail, collections examined, with presentation before Academy of work as far as completed. Suggestions were also offered concerning collection of certain forms in which existing herbaria were strikingly deficient.

REPORT OF THE BOTANICAL DIVISION OF THE INDIANA STATE BIOLOGICAL SURVEY FOR 1894. BY LUCIEN M. UNDERWOOD.

[ABSTRACT.]

Account of work in the field accomplished by the survey during the year. Necessity of having an organized body of correspondents throughout the state. Issue of *excisator*, with terms of distribution. Statement of work on the higher flora. Difficulties inherent in the collection of the lower plants. Acknowledgments.