

REPORT OF THE BOTANICAL DIVISION OF THE INDIANA  
STATE BIOLOGICAL SURVEY.

LUCIEN M. UNDERWOOD, DIRECTOR.

The Indiana Academy of Science at its spring meeting originated the State Biological Survey by the appointment of three directors who were instructed to organize the survey and prepare for the winter meeting a Bibliography that would show the present status of the knowledge of the state flora and fauna, recording in accessible form what had been already written concerning them. It was further thought desirable to outline certain features of new work that could be reasonably attempted during the season of 1893. In order to make known the purposes of the survey the following general statement was published and somewhat widely distributed through the state in July last:

BIOLOGICAL SURVEY OF INDIANA.

CIRCULAR No. 1.

At the last meeting of the Indiana Academy of Science, at Terre Haute, a Biological Survey was established for the State of Indiana, and the undersigned were appointed Directors to organize the survey and outline the preliminary work ordered by the Academy.

It is the purpose of the survey:—(1) To ascertain what has already been accomplished in the direction of making known the character and extent of the life of the state, and to this end to prepare a complete bibliography of materials bearing on the botany, zoology and palæontology of Indiana, to be published by the Academy. (2) To associate the various workers throughout the state, and so correlate their labors that all will work together towards a definite end, and ultimately accomplish the main purpose of the survey, namely,—the making known of the entire fauna and flora of Indiana, its extent, its distribution, its biological relations, and its economic importance. (3) To stimulate the teachers of biology throughout the state to encourage in their pupils the accumulation of material, which shall make known the local extent and distribution of life-forms, and thus contribute facts that will be useful in the survey and at the same time develop acute observers for continuing the study of the natural resources of the state. It is thus intended that the colleges and secondary schools will form with the survey a mutually helpful relation. (4) Ultimately to secure for the Academy a collection that will illustrate the biology of the

state. Until such collection can be otherwise provided for, the Academy will designate certain public or private collections where accumulated material may be deposited temporarily. Material sent to the directors will be thus held for the future disposition of the Academy.

It is earnestly requested that all persons interested in any department of biological work will place themselves in relation with the directors of the survey at once, in order that their work may be made to contribute the most effectively to the public good, and in order that the directors may know on whom they may depend for gaining information from various portions of the state. All contributions from persons interested will be properly credited in the reports of the survey. Correspondence is solicited with the director of the particular branch in which any one is interested, and such directions in regard to collecting and sending material will be given on application. By the assistance of the Smithsonian Institution, the directors are able to send printed directions for collecting to such as apply for them. (In ordering these it will be necessary to specify in what particular branch information is desired.)

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Division of Botany.

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1 July 1893.

*Directors of the Biological Survey of Indiana.*

In addition to the above the following was sent out by the Botanical Division:

SPECIAL ANNOUNCEMENT OF THE DIVISION OF BOTANY.

It is the purpose of this Division during the present year to make such additions and corrections to the published "Catalogue of the Plants of Indiana" as are possible, and to secure definite information regarding the distribution of such rare forms as are there published. Specimens illustrating the distribution or occurrence of any plant within the limits of the state must be deposited with the survey before any notice of their belonging to the state flora can be published. This will insure the ability to verify in future any fact published by the survey. In sending such material it is desirable that notes on the station, habitat, range and abundance of the plant be noted, together with any other information that will be of value.

In addition to the flowering plants and ferns covered in the above, it is the intention of the Division to commence the study of the distribution of the lower cryptogams, concerning which almost nothing has been published from Indiana. While collections will be made of all forms, special attention will be given at present to the study of (1) Mosses, (2) Hepaticæ, and (3) Parasitic Fungi. Specimens are earnestly desired of all species,