

The State Geological and Economic Survey is authorized to make:

(a) Topographic surveys showing the relief of the land, streams, roads, railways, houses, etc.

(b) Geological surveys showing the distribution of the geological formations and mineral deposits of the State.

(c) Agricultural soil surveys showing the areal extent and character of the different soils.

(d) Hydrographic surveys to determine the available waters of the State for potable and industrial uses.

(e) Magnetic surveys to determine the variation of the needle for land surveys.

The Survey is also authorized to prepare:

(a) Reports on the areal and systematic geology, on the mineral resources, and on other topics of scientific importance.

(b) Maps of scientific and educational significance on various scales to meet special needs.

(c) A permanent exhibit of the mineral wealth of the State in the old Hall of Delegates at the State House to which new materials are constantly added to keep the collection up-to-date.

#### Scientific Staff:

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#### STATE HORTICULTURAL DEPARTMENT—*College Park, Md.*

The State Horticultural Law was enacted by the 1898 Session of the Maryland Legislature (Laws of Maryland, 1898, Chapter 282). The law creates the offices of the State Entomologist, State Pathologist and State Horticulturist. The following articles under Section No. 1 of said Act will explain briefly the duties of the officers and the scope of the work of the Department:

That a State Horticultural Department be established for the State of Maryland; that its purpose is to suppress and eradicate the San Jose Scale, peach-yellow, pear-blight and other injuriously dangerous insect pests and plant diseases throughout the State of Maryland.

That the Professor of Entomology, the Professor of Vegetable Pathology, and the Professor of Horticulture of the Maryland Agricultural College and Experiment Station shall be the State Entomologist, State Pathologist and State Horticulturist, respectively.

That the said Horticultural Department shall be under the control of the Board of Trustees of the Maryland Agricultural College and Experiment Station, to whom the officers created under this Act shall be responsible.

That it shall be the duty of said State Entomologist and State Pathologist, their assistants and employees, under the control of Trustees of said College, to seek out and suppress all pernicious insect pests and contagious diseases hereinbefore mentioned as destructive to horticultural interests of this State, and conduct experiments when necessary to accomplish that end.