

(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:

Edward B. Mathews, State Geologist.....	Baltimore
Edward W. Berry, Assistant State Geologist.....	Baltimore
Charles K. Swartz, Geologist.....	Baltimore
Joseph T. Singewald, Jr., Geologist.....	Baltimore
Ernst Cloos, Geologist.....	Baltimore
Myra Ale, Secretary.....	Baltimore
Grace E. Reed, Librarian.....	Baltimore
Eugene H. Sapp, Clerk.....	Baltimore

The work of the Survey is essentially that of a bureau of information. Each year it distributes about four thousand volumes and pamphlets, about five thousand maps, and makes several thousand manuscript reports on special matters dealing with the physical features and mineral deposits of the State. To supply up-to-date information it is necessary to continue and revise earlier surveys of different areas and mineral products of the State.

## STATE DEPARTMENT OF FORESTRY.

Advisory Board of Forestry, 1411 Fidelity Building.

Ex-Officio Members:

Isaiah Bowman, President J. H. U.....	Baltimore
Edward B. Mathews, State Geologist.....	Baltimore

Appointed by the Governor (terms expire 1939):

E. R. Jones.....	Oakland
Robt. G. Foltz.....	Hagerstown
Bernard Dryden.....	Princess Anne

State Forester:

F. W. Besley.....	Baltimore
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The Governor appoints three members, two of whom shall be interested in the advancement of forestry and one a practical lumberman, who, with the President of Johns Hopkins University and the State Geologist, shall constitute the Board.

The terms of those first appointed are until the first Monday in May, 1924, and thereafter for two years from the first Monday in May. Ch. 29, 1922.

The Department of Forestry was created and organized to protect and develop the valuable timber and tree products of the State, and to carry on a campaign of education and to instruct counties, towns, corporations and individuals as to the advantages and necessity of protecting from fire and other enemies of the timber lands of the State.