

pure water is a matter which does not require discussion, and is to-day recognized by every community of importance within the state. It is therefore desirable, both from a sanitary and from an economic standpoint, to know the conditions under which water may be expected and the depth and character of the material of the water-bearing zone. Although it is not always possible to give exact information upon these points on account of the varying conditions beneath the surface, yet the advice which the State Geological Survey will be able to give the people upon this subject after its work has further advanced will be one of the most important services which it can render to the state.

THE DETERMINATION OF THE WATER POWER.

Maryland possesses much undeveloped water power in its larger rivers and creeks, and as yet but little has been done toward its determination. In co-operation with the State Weather Service and the U. S. Geological Survey, water-gauges have been placed on the more important streams for the purpose of ascertaining the normal volume and fluctuation of their waters. These facts, which can be readily obtained with little expenditure of time or money, should be accessible to the public. It is the intention of the State Geological Survey to have this data tabulated, so that those who are seeking sites for new industries, or are desirous of using the water power for electrical purposes, may have a reliable source of information.

THE STUDY OF THE PHYSIOGRAPHIC FEATURES OF THE STATE.

The origin of our mountains and our river valleys depends upon the geological structure of the state, and has influenced the occupations of the people to so large an extent that it is desirable that attention should be called to this subject. It is the plan of the State Geological Survey to trace out the history of the development of the mountain chains, valleys and plains in connection with the study of the areal geology. To those seeking a home amongst us such features are of much importance, and it is desirable that they should be presented in a thoroughly systematic manner accompanied by graphic illustrations.