Maryland began in 1891, when a study of the Potomac river was commenced, the investigations being carried on by Mr. Cyrus C. Babb, under the direction of Mr. F. H. Newell, the Chief Hydrographer of the Survey. Observations of river height were first made at Chain Bridge, about 3 miles above the city of Washington, and at later times reconnaissance and discharge measurements were made on some of the higher branches in order to obtain data of run-off from the catchment areas of different character under similar climatic conditions.

Later the matter was given more careful attention and preparations were made for a thorough series of measurements. A number of stations were established along the line of the river, viz., at Point of Rocks, Great Cacapon and Cumberland. Preparatory to this work at each of these points, apparatus for registering the heights of the water was established, and careful records have been kept since that time.

Use has also been made of the daily record kept since 1878, by the officials of the Washington Aqueduct, of the height of the water flowing over their dams at Great Falls.

Simultaneously with the gauge height records at Great Falls, another record has been kept, viz., *condition of water*, as it is called, or observations on the amount of matter carried in suspension in the river.

Several stations upon other streams were established during the year 1896 in co-operation with the Maryland State Weather Service, viz., at a point four miles northeast of Frederick on the Monocacy river, at Laurel on the Patuxent river, near Woodstock on the Patapsco river and at Rowlandsville on Octararo creek. It is planned to extend this work in the near future.

STATISTICAL WORK.

An annual tabulation of the mineral resources of the United States in which Maryland appears, was undertaken by the United States Geological Survey in 1882, the first report by Albert Williams, Jr., being published in 1883. Since 1886 this work has been under the direction of Dr. David T. Day, who has published annual reports regarding