A MAGNETIC SURVEY OF THE UNITED STATES BY THE COAST AND GEODETIC SURVEY.

In the plan of reorganization of the 'survey of the coast,' adopted in March, 1843, explicit provision was made for magnetic observations.

Determinations of the magnetic declination were made at various points along the coast, under the superintendency of F. R. Hassler; the real work of magnetic observations, however, began with Superintendent Bache, who had previously made a magnetic survey of Pennsylvania and who had established the first magnetic observatory in this country, that of Girard College, Philadelphia.

Since that time the three magnetic elements, the declination, the dip and the intensity, have been determined by survey parties at various points in the United States, including Alaska, and in some foreign ports.

The general charge of this work, as well as the theoretical discussion which has given it value, has been in the hands of the Assistant Schott, Chief of the Computing Division, who has called attention from time to time to the need of a systematic prosecution of a magnetic survey of the country. It is largely due to Mr. Schott and his energy in that work that the present state of advancement has been reached.

In recognition of his contribution to Ter-