

INTRODUCTORY REMARKS.

This volume has been prepared with the design of furnishing to Observers connected with the Meteorological Service of the Dominion of Canada, and to meteorological students generally, the means of obtaining an intelligent acquaintance with the objects, the principles, the construction, and the manner of using such meteorological instruments as are at present employed in the Canadian Meteorological System; and also to instruct Observers in the conventional regulations which have been adopted for the management of this service in Canada.

The Instructions consist of three Parts.

In Part I. are given the meaning of terms in frequent use, and simple statements of sundry physical facts to which reference is made in subsequent parts of the volume, or of which a knowledge would be useful in reading works on Meteorology. To facilitate such reference, and for convenience in answering the inquiries on meteorological questions frequently addressed to the Central Office by letter, a large portion of the paragraphs are numbered as separate articles.

Part II. is occupied chiefly in details relative to the various instrument, and the precautions to be taken in using them and in giving them proper exposure. This part contains also brief notices on Clouds, certain Optical Phenomena, Aurora Borealis, and Shooting Stars.

Part III. is principally concerned with the registration of observations; but it gives also, in a condensed form, the instructions relative to instruments which, in greater detail, have been before given in Part II.

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