

For Release
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Modern forecasting! Everyone must realize that the weather at any place is the result of certain physical processes which have taken place throughout a considerable depth of the atmosphere. The early forecaster knew that too, but he did not have at that time, say from 1870 to 1900, the data and knowledge which are available now. Formerly the forecaster studied what surface observations were available. Now the forecaster has data concerning conditions up to about 17,000 feet, and he has a different concept of the cyclone. This concept is not perfect, but it is a notable advance over earlier ones. With it the forecaster's work is not, however, simpler but more difficult. -----