

approach of cold weather. Cattle men in the west find the warnings of great value. Cranberry growers as a class have special warnings sent to them. Within the last year or so, in the fall of the year with the approach of winter, the Washington office issues a chart showing the snow line or the southerly limit where the snow has fallen. With this information in hand the wholesale dealer in rubber shoes or other footwear directs his commercial travellers where to go in order to meet with most success. The Director of the Weather Bureau at Washington told me recently of the great favor this addition of snow line on the charts found in commercial centres.

Ice men, especially those farther south than Ottawa, where the boreal fruit does not obtain such large dimensions, know of the practical value of forecasts, as for instance in 1891 they harvested their ice before it had reached the average thickness because of warning of a thaw. Enough of references have been given to show the great pecuniary value of forecasts. The Meteorological Service is essentially a paying investment by the Government.

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At the close of the lecture Mr. Klotz had some weather maps, kindly loaned by Mr. R. F. Stupart, Director of the Meteorological Service, thrown on to the screen. By means of the map, isobars were explained, together with the areas of high and low barometer; several storms were traced in their daily course across the continent, disappearing in the Atlantic. A West India hurricane was traced up the Atlantic coast.

In speaking of rain the lecturer said that all available records of precipitation had been unable to verify the belief held by some that deforestation affected the annual rainfall. If it is affected the effect is wholly masked by other and greater influences. However, deforestation shows its effects markedly in other directions, especially in floods and in local climatic conditions.

The graphic representations given greatly elucidated much of the subject treated in the lecture, especially with reference to the method of making the daily forecasts or "Probs."

*References:—*

- GREELY: American Weather.
- WALDO: Meteorology.
- INWARDS: Presidential Address.