as steadily upward. They were moving up as far as the twelfth floor which was as far as I could see. Probably the heat of the sun, together with the radiation from the hotel itself, caused the air near the wall to become warm and rise, carrying the light flakes with it.—E. M. Harwood.

LAG IN WET AND DRY BULB HYGROMETERS

At the Pomona meeting in 1928, certain differences found in the readings of the dry bulb of an hygrometer, and a more distant dry bulb on a wooden back, were described and an explanation asked. Differences between the type of thermometers, though with like exposure to surrounding influences, were suggested as causes for the differences of readings.

Further careful experimenting by the questioner has since shown this explanation to be the correct, without doubt, for changes in the amount of "lag" were found to follow differences in the position of the bulb or thermometer tube with respect to the metal back. The freely exposed bulb projecting an inch beyond any back followed the air temperature rather quickly. A thermometer set on a wooden back, however, "lagged" considerably, being one degree warmer at the hour of minimum temperature, at 6.45 a.m., and a degree and a half behind the rapidly rising freely exposed thermometer an hour and a half later.

These experiments, show the importance of ventilation for stationary thermometers especially if the bulbs are not freely exposed, and the importance of uniform metal backs rather than wood.—C. G. Baldwin.

The Western Union Telegraph Company has recently inaugurated a daily service to individual subscribing customers covering the morning or evening forecast for the particular area in which the customer lives and adding such additional weather facts as are especially desired.—C. F. B.

WEATHER BUREAU MOVED OFFICE AT SPRINGFIELD, ILL.

The Springfield, Illinois office, of the U. S. Weather Bureau moved from temporary quarters in Hotel Abraham Lincoln to the new Federal building, on November 1st. The office consists of a suite of six rooms, arranged by the Weather Bureau to meet its needs, as follows: Office of official in charge, library and map room, reception room and first assistant, observatory, file room, printing room. A storeroom will be provided later. The sunshine recorder is installed on the roof of the new building and the rain gages and new-style thermometer shelter have a ground exposure in the park adjoining. Arrangements have been made with the hotel people to continue the wind instruments at the top of the tower on the hotel roof, a thirteen-story building. Connection with the triple register is made through leased telephone wires. Springfield is the center of the Illinois Section of the Climatological Service.—C. J. Root.