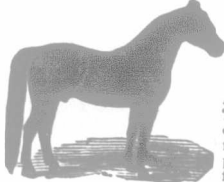


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That is the experience of Miss Violet M. McSorley, of 75, Gore Street, Sault Ste. Marie. She adds: "I could not hold spoon nor fork. From finger tips to elbows the dreaded disease spread, my finger nails came off and my flesh was one raw mass. The itching and the pain were almost excruciating. I had three months of this torture and at one time amputation was discussed."

"Zam-Buk alone saved my hands and arms. I persevered with it and in the end had my reward. To-day, I am cured completely of every trace of the dreaded eczema, and I fervently hope that sufferers from skin disease may know of my case and the miracle Zam-Buk has worked."

Zam-Buk is without equal for eczema, ringworm, ulcers, abscesses, piles, cracked hands, cold sores, chapped places, and all skin injuries and diseases. Druggists and stores at 50 cents a box, or post free from Zam-Buk Co., Toronto, for same price. You are warned against dangerous substitutes sometimes offered as "just as good."

**Zam-Buk**

Twice each day, the results of the observations taken in these 38 stations, are telegraphed by means of certain code signals to the central office at Toronto, so that at about 25 minutes after the observations are taken, they are recorded. The records are obtained by the observer first of all reading his barometer, applying a correction for altitude, as the height above the sea level varies at the different stations. Next he obtains the correct temperature by means of an ordinary thermometer, which, combined with the reading of a wet bulb thermometer gives him the relative humidity of the air. He then obtains the highest and lowest readings during the last twelve hours from a self-registering thermometer. An anemometer, commonly known as a wind gauge, which automatically records the direction and velocity of the wind on a revolving cylinder, gives him this information, while, at the same time, the observer notes the kind of clouds if any, that are visible, and the direction from which they are moving. His observations made, the results are wired to central office and entered on a map of North America. Where the barometric reading of two or more stations are the same, they are connected by means of charcoal lines. Thus the entire continent is marked out so as to show where the barometer is high and where it is low. Once the reports from the different stations are translated and entered on the skeleton map of our continent a panoramic view of the weather conditions existing throughout all North America is given, reports from some 144 stations in the United States being received daily from our neighbor country in exchange for observations sent her from the several Meteorological stations in Canada.

From this chart, the forecasters issue a statement of readings and probabilities for the press. A storm raging in the West is noted by the recorder of the station nearest to it. He has learned its direction of travel and by an intimation of the storm's arrival at other places, estimates its velocity. From this data its arrival at different points along the route may be safely predicted. Thus, because electricity is quicker than wind, observers are enabled to warn us of an approaching storm hours in advance of it.

Wireless telegraphy will be a valuable asset to the weather predictors, as stations may now be placed in such places where the laying of telegraph wires has been impossible. Wireless is used now at Belle Isle Station, which lies between Newfoundland and Point Armour.

Our Meteorologists have reduced weather to a science. They deal with first causes without concern for signs and appearances. We learn that weather is a condition as wide and as great as the continent, and for every disturbance in it there is a cause—reading back, perhaps, thousands of miles away. To get a grip on these distant causes, track the weather on its way hither and to get scientifically ahead of it—is what the Meteorologist aims at.

Some of the facts we glean from conversation with these men who keep their finger on the pulse of the weather are more than interesting and instructive. Among other things we learn that the weather changes travel from the westward to the eastward, and that there are no such things as east rains. In short, many of the opinions of us average humans, regarding weather, are proven erroneous. After the pleasant Meteorologist talks to us for awhile and we begin to grasp his facts—proven facts, mind you—we also begin to realize that what we don't know about the weather is colossal. Among the instruments used in the central office from which records are obtained is the Canadian Standard Barometer. It is far different from the instrument with which most of us are familiar, being a large metal affair, standing about three feet high. It is the same as the barometer which is the standard in Great Britain, and is called "Newman, No. 33." It is the most accurate that has so far been invented, though it was constructed many years ago—A. P. McKISHINE in *Busy Man's Magazine*.

**Star Dance MUSIC BOOK SALE Number 8**

WE HAVE PURCHASED from the publishers 5,000 COPIES of the STAR DANCE FOLIO, No. 8, a collection of all the season's song successes arranged as Marches, Two-Steps, Waltzes, Lancers, Barn Dances, etc. This collection is published once each year, and contains 88 pages of up-to-date popular numbers. Note the contents.

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Sweet-Heart Days.  
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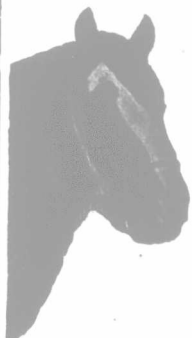
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