



FORTY MILLION CAKES YEARLY.

THE PROCTER & GAMBLE CO., CHICAGO.

Weather Bulletin.

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St. Joseph, Mo., May 17.—My last bulletin gave forecasts of the storm wave to cross the continent from 21 to 25 and the next will reach the Pacific coast about May 26, cross the western mountain country by close of 27th, the great central valleys from 28th to 30th and the eastern states about the 31st.

This disturbance will develop a very considerable energy with severe local storms, high winds and heavy rains in small districts.

Warm wave will cross west of Rockies country about 26th, great central valleys 28th, and eastern states 30th. Cool wave will cross west of Rockies country about 29th, great central valleys 31st and eastern states June 2d.

Although these long range forecasts of average monthly temperatures and rainfall are giving general satisfaction the calculations on which the rainfall is based are not yet complete. I expect to have them complete in time for the July forecast.

By the above I do not mean that they will be perfect but as near so as I can make them for 1895 weather. The calculations for 1896 will be much more complete and will more fully indicate the real values of my new discovery as to temperatures and rainfall.

All calculations in temperatures indicate that east of the Rocky mountains April and May will prove to be comparatively the warmest months of 1895. Not in all the districts but taking that section of country as a whole.

In the vicinity of Charleston, South Carolina, July and November promise the greatest excess of temperature. December is to be very cold month everywhere east of the Rockies and September will generally average below the normal.

I have not gone far enough in the calculations to ascertain the character of next winter but December will certainly be very cold and it is now a matter of great interest to know what the following three months, January, February and March, will be. I expect to be able to give this information in my bulletin of June 29th.

The weather bureau should publish the daily averages of temperature and rainfall of at least a few of the last long records. All that we now have are the monthly averages and they are not in accord with natural weather periods. The congress should appropriate enough money to publish volume containing all the daily averages of rainfall and temperature. This is absolutely necessary in order that long range forecasts may be perfected.

It is but natural to respect the theories of men placed in government positions. In our republic the theory is that such men become the servants of the people while the fact is that they become the people's masters.

The editor of the Monthly Weather Review came to the weather bureau when first organized in 1879 after having had long experience with the Smithsonian Institute in the same line. His abilities are not questioned and he has dominated in the weather bureau from its inception.

But we should prove all things and hold fast only to that which is good. Because men hold high positions is not evidence of their infallibility. The opposite often proves true.

In the Weather Review for November 1894 the editor of that official tries to explain the cause of the transient high and low barometers which cross this continent from west to east regularly.

These variations in pressure cause our most important weather changes and their causes are of too much interest to permit such blundering false theories as are promulgated by Prof. Abbe to go unnoticed.

In this latitude the drift of the air movements is from west to east carrying the high and low barometers with it. These high and low barometers have been called waves and the high causes a pressure of 100 pounds, more or less, to the square foot greater than the pressure of the low and these waves pass any given place going eastward, regularly at intervals of three or four days.

What causes these waves? The answer to this query is given by Prof. Abbe and I regard it as extremely weak.

Speaking of himself Prof. Abbe says: "In his preparatory studies the editor has considered the movements of the atmosphere as analogous to the turbulent flow of a river in which ascending rushes and descending eddies alternate with each other and where the pressures at the bottom of the stream must depend upon the irregularities of the local resistances almost as much as upon the centrifugal forces within the eddies."

"On surface of such a river at flood stage and superposed upon the eddies that pervade its depths one may see a system of surface waves reflected from shore to shore or a system of standing waves below any special obstacle.

The atmosphere doubtless presents such phenomena as these and also other but similar waves of pressure depending on heat, on evaporation and condensed aqueous vapor, or lunar and solar tides and even on great eruptions such as Krakatoa."

The waves in a river caused by the water running over an obstacle, do not move with the waters of the stream but are stationary as we see where the waters run over a dam. Over the dam is a high wave and below the dam is a low, or the latter is much lower than the water above the dam.

But these two waves do not move with the waters while the waves of pressure in the atmosphere do move with the eastward flowing air. Herein is the fundamental blunder of weather bureau officials and all the theories based on it become blunders.

The high wave in a river is made to represent the high barometer and the depression in the river's surface to represent the low. The reverse of this is correct as the weather bureau officials will find by placing a barometer below a mill dam. The falling water will make a high barometer because its momentum downward will cause a greater pressure than if the barometer be placed above the dam at the same distance below the surface of the quiet, rising waters.

In nearly all their theories these weather bureau officials get the cart before the horse. They say the high

barometer is caused by a wave and the low by a depression in the atmosphere. The reverse is true.

The low barometer is like a geyser that spouts its waters high into the atmosphere and the high barometer is analogous to where these waters fall. One is a pool where the falling waters cause an increased pressure, the other is an upward movement of waters which will cause a light pressure on a barometer immersed in them.

Dr. Price's Cream Baking Powder World's Fair Highest Award. MINISTERS GO SLUMMING.

Good Milwaukee Pastors Carry Water to the Elephant.

Five largely attended religious mass-meetings were held at Milwaukee the other evening at Methodist churches to discuss plans for inaugurating a movement to enforce Sunday laws and improve the moral tone of the community. There were a number of vigorous addresses and a general determination to make a serious effort to suppress vice was shown. That the men interested in the movement were in earnest is certain and Milwaukee is certainly in for a season of slum agitations. The Rev. Walter J. Patton, pastor of Asbury Methodist Episcopal church, saw the wicked side of city life the previous night. He was accompanied by a brother pastor and a young man about town who acted as guide. The reverend gentleman did not go to bed until early Sunday morning. When asked about his trip he said that he had seen the wretched side of life in Boston and Chicago, but that it did not approach in wickedness what he had seen in Milwaukee. Not only did Dr. Patton and his clerical companion visit disreputable houses, but they also took in gambling houses. The tenderloin district was done to a turn, and the reverend detective declares that he has secured ample evidence that will be used at the proper time. The man who piloted the preachers says that he spent \$20 and the ministers' trip cost them less than \$2 each.

The Oldest Republic. San Marino, in Italy, on the coast of the Adriatic Sea, is the oldest republic in the world. It is next to Monaco, the smallest state in Europe. The exact date of the establishment of its republic is not known, but according to tradition, it was in the fourth century, by Marinus, a Dalmatian hermit, and has ever since remained independent. It is mountainous, and contains four or five villages. The word "Liberty" is inscribed on its capitol.

Patrick Henry Said It. In life's dear, or peace so sweet, as to be chained at the price of chains and slavery? Forbid it, Almighty God! I know not what course others may take; but as for me, give me liberty or give me death.—Patrick Henry.

A Neglected Crop. The south is advised to raise more corn, and the whole country may safely add to the average in beans. Nearly a million bushels of beans were imported last year, and advancing prices show that this is a neglected crop.

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LOST HER BLOOMERS. The Frightfully Awful Dilemma of a Chicago Bicyclist.

Guests of the Stamford hotel, on Michigan avenue, were horrified Sunday at an accident to a young lady which occurred right in front of that famous hostelry, which has become a kind of headquarters for those bicyclists who make use of the magnificent South side boulevards, says the Chicago Tribune. At about 4 o'clock in the afternoon a very dashing girl, with a little cap set jauntily upon her blonde ringlets, came speeding down the avenue. She was dressed in a very natty blouse and the latest style of riding bloomers, which reached well down toward the ankle. Just as she reached the hotel one of the bloomer legs caught in between the chain and sprocket of the machine and in an instant, going at the scorching pace she was, the entire bloomer was stripped off her shapely right limb. The spectators were for a moment paralyzed at the extent of this catastrophe, and two or three young ladies who were just about to mount their wheels blushed as red as a rainy sunset, but the dashing damsel was equal to the emergency. With a dextrous hand she disengaged herself from the mangled bloomers and stood before her admiring and astonished audience arrayed in an extremely becoming pair of black tights and trunk to match. Thrusting the bloomers into her blouse, she vaulted lightly on her wheel and the next moment was vanishing southward over the hard roadway at a two-minute gait.



Tired, Weak, Nervous Could Not Sleep.

Prof. L. D. Edwards, of Preston, Idaho, says: "I was all run down, weak, nervous and irritable through overwork. I suffered from brain fatigue, mental depression, etc. I became so weak and nervous that I could not sleep. I would arise tired, discouraged and blue. I began taking Dr. Miles' Nervine and now everything is changed. I sleep soundly, I feel bright, active and ambitious. I can do more in one day now than I used to do in a week. For this great good I give Dr. Miles' Restorative Nervine the sole credit. It Cures."

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