

## A HUMAN BAROMETER.

## THE REAL RELATION BETWEEN THE HUMAN BODY AND THE WEATHER SCIENTIFICALLY EXPLAINED.

One of the most valuable developments of modern science along the line of human necessity, is the national weather bureau at Washington. Experience has shown that eighty-six per cent. of the predictions of the signal service are accurate; and these predictions are unquestionably of the greatest advantage to the seaman, the agriculturalist and the entire commercial world. The service has proven its necessity by its usefulness, for in past times the facilities for foretelling atmospheric changes were meagre, indeed. The only indications our fathers had of coming changes in the weather were aching limbs, twinging joints or painful corns. These "indications," though crude, were usually correct, and hence naturally suggest the enquiry as to the relation between the human system and the weather. The body is unquestionably an excellent barometer. It foretells changes in the atmosphere long before they occur, and this fact has been taken advantage of by physicians who, when all other agencies fail, prescribe a change of air, thus hoping the body may find an atmospheric condition better suited to its needs. And yet the real relation between the human body and the weather has never been fully understood, nor has there ever been, until now, a correct explanation of what rheumatism (which seems in league with the atmosphere) really is. It was originally thought by many to be a trouble in the joints, and as such was treated in the most strange, not to say, ridiculous manner. This theory became dispelled when the same trouble attacked the muscles, and the feeling then prevailed that it was purely a muscular disorder. But this idea was found to be too narrow, and now it is universally conceded that rheumatism is a blood disease. And what a terrible disease it is. It often comes without warning and prostrates the system with agony. Again its beginning is gradual, and its growth slow. In its acute form it manifests itself in every conceivable shape and always accompanied by intense pain. At one time it is inflammatory, at another neuralgic. Sometimes it assumes the form of gout, and again that of pleurisy or lumbago; but in whatever manner it appears it is terribly painful and always to be dreaded. The pain and annoyance of rheumatism are increased by its great danger, for it is liable to attack the brain or heart at any moment, thereby causing instant death. Indeed, nearly every case of heart disease, with all its dreadful suddenness, which has ever occurred, can be traced more or less directly to rheumatic causes. In its chronic form it stiffens the joints, contracts the muscles, undermines the health and

ruins the life. It frequently attacks men and women who are apparently in perfect health. Indeed, it is as greatly to be dreaded as any possible form of physical woe.

But however severe its effects may be, the exact cause of this blood trouble has been an undecided question, and it is only within the past year that any decision upon the subject has been reached. In order to fully determine what the cause of rheumatic disorders really was, certain authorities sent letters of inquiry from Washington to the leading practicing physicians of the land, and these inquiries were responded to quite generally, thus furnishing data of great value to science and mankind. The views held by the doctors are of varied nature; but so overwhelming a proportion hold to one belief as to leave but little doubt that it is the correct one. This belief, briefly stated, is that uric acid in the blood causes rheumatism, and that it is only by removing this poisonous acid that rheumatic or neuralgic troubles in all their terrible forms can be cured. This being true, the important question arises: "How does this poisonous uric acid get into the blood, and how can it best be removed?" Uric acid is a waste material of the body which the kidneys should carry out, but because they are weakened they cannot throw it from the system. Restore the kidneys and you restore the power that will force the uric acid from the system and thus banish the rheumatic agonies which it causes. This is reason; it is science. No one whose kidneys are in a perfect condition was ever troubled with rheumatism, and no rheumatic sufferer, however slight the pain may be, has perfect kidneys. The conclusion of this truth is inevitable; perfect kidneys means freedom from rheumatism.

When rheumatism has manifested itself in any special part of the body, attempts have usually been made to treat that part of the body. As a result, the pain has departed but the disease has remained, lying subtly concealed and ready to break out at some unexpected moment. Checking the pain in any single locality only scatters the disease through the system, when, if the seat of the disorder, which are the kidneys, were reached, a complete cure would be the result. The way, therefore, to expel this rank and poisonous acid before it assumes an inflammatory or chronic form is by keeping the kidneys in absolute health. This is no easy thing to do, and no means has, until within the past few years, been known which would successfully reach and affect these great organs. At last, however, scientists have discovered that the leaves of a tropical plant, previously but little known to science and unknown to medicine, possessed marvelous qualities adapted for the kidneys. These leaves have been skillfully combined in the remedy now known as Warner's Safe

Kidney and Liver Cure. It is up to the present time, the only known preparation that acts so directly upon the kidneys as to effectually cure the various dangerous forms of kidney disease, and hence remove all uric acid from the blood. As a result, the cures it has been the means of performing are really very remarkable. Indeed, there are thousands of persons in America to-day who owe their restoration to health and entire freedom from rheumatism to this simple yet powerful remedy, which is known universally, manufactured in Rochester, N. Y., and sold in every drug store in the land.

From the doctors in the various cities of the United States who have certified over their own signatures to the scientific statement that uric acid in the blood is the cause of rheumatism, are a large number of Chicago and St. Louis physicians, among them being Dr. Adolph Uhlemeyer, Dr. Wm. Webb, Dr. John M. Frank, Dr. Edwin T. Webster, Dr. Benjamin F. Whitmore, Dr. Wm. T. Richardson, Dr. Robert T. Atkinson, Dr. Thos. F. Humbold, Dr. Wm. M. McPherson, Dr. Wm. Johnson, Dr. I. N. Love, Dr. Clark Whittier, Dr. J. T. Hodgen, Dr. Thomas F. Dunigan, Dr. Nicholas Guhman, Dr. Antonio Prietts, Dr. Charles H. Goodman, Dr. Daniel Kuhn, Dr. Henry Newland, Dr. Wm. S. Wortman, Dr. Geo. T. Pitzer, Dr. David B. Martin, Dr. Benjamin R. Taylor, Dr. Jas. L. Logan, Dr. A. Heacock, Dr. Henry Kircher, Dr. John J. Kane, Dr. Henry F. W. Kruse, Dr. Wm. C. Glasgow, Dr. Jeremiah S. B. Alleyne, Dr. Thos. S. Comstock, Dr. Chas. H. Hughes, Dr. Frederick Kolbenheyer, Dr. Joseph Heitzig, Dr. Edward A. De Cahol, Dr. Bernard Roemer, Dr. J. M. Clopton, Dr. Chas. V. Ware, Dr. Alphonso Jaminet, Dr. J. L. Kent, Dr. Wm. S. Barker, Dr. S. C. Martin, Dr. R. Studhatter, Dr. L. P. Ehrmann, Dr. John A. King, Dr. S. E. Garlock, Dr. Theodore Foy, Dr. J. E. Faber, Dr. E. F. Hoffman, Dr. Herman Nagle, Dr. A. Wislizemus, Dr. J. L. Pirtle, Dr. Edward Rose, Dr. Wm. H. Grayson, Dr. H. M. Starkloff, Dr. R. M. Swander, Dr. Wm. N. Brennan, Dr. Temple S. Hoyne, Dr. Lyman Ware, Dr. Charles W. Hemstead, Dr. Wm. J. Hawkes, Dr. T. C. Duncan, Dr. Wm. R. Griswold, Dr. Lyman Bedford, Dr. A. B. Westcott, Dr. J. B. Bell, Dr. C. M. Clark, Dr. W. H. Woodbury, Dr. Alfred H. Hiatt, Dr. H. Hahn, Dr. C. M. Fitch and Dr. John D. M. Carr.

The theory of the doctors as above explained finds its confirmation in the fact that when the kidneys have been cured, rheumatism is completely removed. This is not, of course, always accomplished instantly, for in a disease so subtle, the cure is often very slow, but under no other plan can any hope of permanent relief ever be found. There are hundreds of cases on record during the present winter of persons