

thought at first to have enteric fever, and this from a general consideration of history and symptoms. The occurrence of a positive reaction with the color test not unnaturally tended to strongly strengthen this view of nature of the case.

Nevertheless, the event proved that the diagnosis was incorrect. Thus the diazo-reaction broke down just at the very point when it would be of the greatest possible use. The extreme difficulty, even the impossibility, of differentiating typhoid fever from tuberculosis is generally admitted, and it is unfortunate that this test, so promising in many ways, should fail us in making a very important and difficult diagnosis.

Three other cases of enteric fever were carefully tested, but they all gave negative results. These cases were all in a more or less advanced stage of convalescence, which does not, however, render the occurrence of the reaction in any degree unlikely; for many cases are recorded in which the result was positive, months after the attack of enteric fever had been recovered from.

I have also, subsequent to the above observations, made many examinations of the urine of patients suffering from typhoid fever, for the purpose of finding the diazo-reaction. Speaking generally, I have found that at some period of the fever the result was nearly always positive, and this usually at an advanced stage of the malady—that is to say, at the end of the second or early in the third week. Positive results were always most freely obtained when the temperature was high and the symptoms severe; in other words, they were always most obvious in well-marked and anxious cases.

The result of my observations, so far as regards enteric fever, is that *the diazo-reaction is of little or no use in a practical sense*. And this because it does not occur at a stage of the malady at which alone difficulties can really arise—the early stage. Further, the liability of a positive reaction to recur in cases of tuberculosis is a most serious drawback, and one which alone would tend to render the test valueless.

As regards the 125 cases, there was not once a positive reaction in the very numerous instances of gout and anemia, and the same applies to diabetes.

It has been stated that in phthisis the reaction shows itself only in those patients in whom the malady is far advanced, and that, therefore, the fact of its occurrence should be regarded as a danger signal.