

culated to place the body in that condition, best fitted to carry it through a lingering disease. He treated the disease by mineral acids, also by large doses of liquor ammonia acetatis. This latter remedy he found reduce the temperature by its diaphoretic action.

Dr. FENWICK said he followed the rule in treating typhoid laid down by King Chambers in administering large doses of hydrochloric acid. He cited a case which had occurred in his practice where 40 grains of quinine had been given without altering the temperature in the slightest, subsequently, under small doses, it subsided and the patient recovered.

Dr. ROSS said that the reader of the paper had made several statements conveying most serious charges against this drug. He did not think that the conclusions arrived at were justly drawn from frequent observation. With reference to the ill effects, delirium, restlessness, and sick stomach, claimed to be almost constantly witnessed after full doses of quinine in fever, he had failed to notice any constancy in such sequences, although that such did occur with some persons sometimes could not be denied. Dr. Bell would appear to endeavor to show that quinine did not possess antipyretic action at all. Now, if we have a well-authenticated fact in therapeutics it is that, in a great many febrile states, quinine will, with positive certainty, reduce the temperature of the body. It is broadly stated that it is commonly used and recommended in the symptomatic fever of local inflammation. He does not agree to this statement; on the contrary, considers that the best writers admit its uselessness in such cases, Dr. Ross himself does not employ it thus. The influence of the drug can hardly ever be better seen than in those septic states, apt occasionally to occur in the puerperal woman, and shown by chills and general febrile disturbance without local manifestations of inflammatory action. A dose or two of quinine here is often invaluable. But if local pelvic inflammation be present, with marked pain and tenderness, it will do no good, but opium and local soothing effect the cure. A previous speaker appeared to be under the impression that a routine practice of giving large doses of quinine in typhoid fever was pursued in the wards of the General Hospital. He would like to correct this idea. In the first place, some of

the attending physicians did not adopt this plan at all. For himself, he liked to think that he did not follow any routine, but rather tried to treat each case in accordance with the special features it might present. Quinine was certainly given in a good many of his cases, but by no means in all, and quite a number had but a few doses only at certain times when the degree of fever and other symptoms appeared to him to indicate its employment. He was glad this discussion had come up, but could not allow the statements of the paper to go unchallenged.

Dr. TRENHOLME said he had more and more discontinued the use of quinine in typhoid fever. During the past year he had not lost any of his cases. His plan of treatment was phosphoric acid and tincture of orange. In diarrhoea small doses of arsenic, and in hemorrhage from the bowels small doses of corrosive sublimate.

Dr. GODFREY favored the use of quinine in large doses when a high temperature (105°) indicated its advisability. He spoke also of the great benefit he had seen it produce in cases of ague. His plan in the latter disease was to give a large dose three times a day, and when the fever began to rise a double dose.

Dr. McCONNELL stated his experience as unusually successful, never having had it fail him in any case in which he had used it.

The PRESIDENT quite agreed with the observations which had been made by Dr. Ross, and would not reiterate them. He was not prepared to hear the antipyretic properties of quinine denied altogether, as they had been by the reader of the paper. From the tenor of some of the remarks that had been made, several of the speakers appeared to believe that, in the treatment of typhoid fever in the Hospital, quinine was employed in a routine manner, he was pleased to hear that that was not the case. Many members present could certify that the speaker in his lectures advocated the view that typhoid fever could not be cut short, and that the aim of the physician should be to interfere actively as seldom as possible, and only when some important indication arose, such as excessive diarrhoea or hemorrhage, or peritonitis, etc. Modern experience had shown that a very high temperature, say 105° , or even a somewhat lower one, if protracted, was a source of danger.