

In two cases pleurisy with effusion developed.
Tuberculosis was present in one case.

OTHER SYSTEMS :

Periostitis developed during the attack in one case, and in the early stage of convalescence in a second case.

Abscesses developed during convalescence in one case.

Myositis of triceps and deltoid muscles developed on seventy-second day of the disease.

Suppurative otitis media was present in three cases.

Staphylococci were present in pus in one case.

Acute nephritis occurred in four cases. In all cases it developed during the active stage of the disease.

WIDAL TEST :

This test has been employed in all the cases, and in only four cases was the reaction negative throughout the course of the disease. Of these, three cases were regarded as abortive typhoid. The temperature remained elevated in the most prolonged case for ten days. No rose spots were present. The reaction appeared in one case as early as the fourth day of the disease. In one case it was not positive till the eighteenth day. It was present on the average on the eighth day. The reaction has been tried in six cases at date of discharge from the hospital, and in every case has been positive. This is receiving further investigation.

Synopsis of the Fatal Cases.

CASE I.—H. T. (Case No. 3645.) Male, *Æt.* 32, commercial traveller, Admitted Jan. 10th, 1899, on the eighth day of the disease, complaining of headache, general malaise, anorexia and insomnia, which gradually and progressively increased in severity. No delirium. On admission, he was a well-nourished man; mental state good; pulse 96; good volume and fair tension; abdomen somewhat distended; rose spots present: Widal reaction positive.

SUBSEQUENT EVENTS—On the ninth day the patient's condition was satisfactory except that the distension of the abdomen persisted. The following morning patient suddenly had a hæmorrhage from the bowel, not large in amount; condition fair. Through the day the hæmorrhage recurred, and towards evening patient became weaker; temperature became subnormal; pulse 100 to 120. Abdominal distension increased. On the eleventh day of the disease there was no recurrence of the hæmorrhage, but patient complained of severe pain in the epigastrium; distension persisted to the same degree as on previous day; pulse weaker, 88 to 112; temperature remained below 100° throughout the day. The patient's condition was much worse the following day; distension ex-