

weeks at most. Should diphtheria develop after the injections, it is very mild in character. Preventive injections are especially indicated in a family, school or hospital in which a case of diphtheria has appeared. They are often of value in a ward containing patients with measles or scarlet fever. Large doses, often repeated, are needed in measles. It should not be forgotten that, even though these injections be given, disinfection and isolation are, nevertheless, necessary. The prophylactic use of serum is recommended by the Pediatric Society and the Academy of Medicine of Paris.—(*Bulletin Medical*, March, 1902.)

EFFICACY OF DIPHTHERIA ANTITOXIN.

The use of Prof. Behring's diphtheria serum has resulted, according to statistics just published, in the lowest death-rate ever recorded from diphtheria in Berlin, in 1901. The deaths from diphtheria were then 469. Prior to the introduction of Prof. Behring's serum, the deaths from this disease ranged from 1,300 to 2,600 a year. In all but one of the Berlin hospitals the serum treatment is in use. In these the mortality is from 12 per cent. to 13 per cent., whereas in the one hospital where it is not used the mortality is 64.7 per cent.—*Vermont Health Bulletin*.

DIAGNOSIS AND TREATMENT OF TUBERCULAR CYSTITIS.

J. B. Bissel, New York—As to the characteristic signs:—The most frequent symptom is hematuria. Often the hemorrhage is very slight and with little or no pain; frequently it is not constant. Usually it comes at the end of urination, varying in amount from a couple of drops to a teaspoonful. It is probably the earliest symptom of the disease—so early at times that it may be called a prodromal symptom. The hematuria which comes on later, after the chronic inflammatory conditions are present, indicating the ulcerating stages of the tubercular deposit, is a different hemorrhage. It lasts longer, comes earlier in the act of urination and the pain which accompanies it is often severe.

Pain is a pretty constant symptom. It comes on early, continues through the course of the disease and at times is so severe as to make one think of calculus or of malignant ulceration. Tenesmus is usually present with the pain. Frequency of urination is a pretty constant symptom, coming on early in some cases.