

more quickly than when given alone. In only one of the cases reported was there any antecedent history of malarial infection; in that case the patient simply gave the history of having resided in a malarious district. Very likely there was a malarious element in the other cases of which the nervous symptoms were only manifestations. Dr. Thomson also referred to the fact that intercostal neuralgia is often accompanied by sciatica; also the occurrence of sciatica after pleurisy. The latter combination he has noticed in about twenty cases. — *Bost. Med. and Surg. Jour.*

MEDICAL NOTES.

Antipyrine, Prof. Hare says, aids the elimination of uric acid from the economy.

Cannabis indica, Prof. Hare says, will often be found to be very useful in cases of *Migraine*.

A case of *Scirrhus* or *Atrophic Cancer*, seen only in the latter stages of the disease, should not, Prof. Keen thinks, be interfered with.

As a rule, Prof. Keen says, in every four out of five cases of *Fistula in Ano*, the patient will be found to be tuberculous.

Prof. Parvin thinks that the *Involution of the Sexual Organs* after confinement takes place more rapidly and satisfactorily if the mother nurses her child.

Fifteen to twenty grains of bismuth and one to two grains of carbolic acid administered every hour or two, Prof. Hare says, will be found to generally stop *Reflex Vomiting*.

Cannabis indica, according to Prof. Hare, will be found to be a very useful drug in stopping the *Cough of Phthisis*, and it possesses the advantage over opium in that it is not so depressant to the system in general.

Camphoric acid, according to Prof. Hare, is the best drug that can be used in controlling the *Night-sweats of Phthisis*. It should be taken in doses of twenty to thirty grains, and two or three hours before the time that the sweats generally come on.

Anteflexion of the Uterus, according to Prof. Montgomery, is of most frequent occurrence in women who have never borne children. It is also the displacement which is found of most frequent occurrence in the sterile woman.

The oxalate of cerium, either alone or combined with bismuth, Prof. Hare says, will very often be found to stop *Excessive Vomiting*. Especially has this been found so in such cases as are due to a hyperacidity, or to an irritation of the mucous membrane of the stomach.

Prof. Parvin calls attention to the fact that in opening an *Abscess of the Breast*, the incision should always be made longitudinally and not transversely. For, he says, when the opening is made by a transverse incision, more milk ducts will be destroyed than if the incision had been made longitudinally. — *Coll. and Clin. Rec.*

THE PARASITISM OF CARCINOMA, AS ALSO THE SARCO-, MYXO- AND MICRO-SPORIDIA OF MUSCLE TISSUE.—L. Pfeiffer (*Centralb. f. Bakt. u. Parasitenk.*, Vol. XIV, Nos. 4 and 5, 1893), in an article illustrated by numerous photomicrographs, describes the various parasitic diseases allied to carcinoma as follows:

Three tumors due to sporozoa present, at one stage of their development, the same type of cell as is found in carcinoma. The sporozoa belong to the protozoa, and are related to the infusoria and the amebæ. They are widely distributed, scarcely any animal being free from them. The most important forms are *coccidia*, *sarcosporidia*, *amebasporidia* and *hemosporidia*. The gregarinæ belonging to this class are, as a rule, not pathogenic. The *coccidia* have nothing to do with cancer, for in this tumor the "lasting cyst" (*dauercysten*) form, which is so constantly seen in the rabbit, is not assumed; nor does the coccidium present the polymorphic adaptability presented by the carcinoma parasite.

The author believes the Meischer's tubes found in the muscle of the hog, and representing the *sarcosporidia*, to be produced by infection from a parasite residing in the kidney of a form of helix. The contents of a Meischer's tube consists of innumerable sickle-shaped bodies, with a large well-stained central nucleus. Examined in filtered human saliva, the sickle shaped body changes into an ameboid cell, which closely resembles an epithelial cell. If a tube bursts *in situ*, a tumor is likely to form, which bears an appearance almost identical with cancer. Inoculation of rabbits leads to severe hæmorrhagic inflammation. The hypodermatic injection of a glycerine extract of a large quantity of the sickles induces toxic symptoms—fever, collapse, convulsions, death. In this connection it is to be remembered that in malaria the chill occurs at the same time as the escape of the young amebæ from the red blood corpuscles.

Microsporidia are found in the calf and belly muscles of the marsh tortoise. The rupture of one of the cysts formed by these organisms does not set free a large number of embryos, but a single ameba. The microsporidia are also the cause of the dreaded silkworm disease *pebrine*.

The *myxosporidia* have a complicated structure. Primarily, the spore consists of a bivalve envelope in one end of which are found two "polar cap-