Specimens--

- i) Tenia Saginata, common tape worm.
- 2) Hydated Cyst, Tenia Echinococcus,
- 3) Ascaris Lumbricoides, round worm.
- 4) Ascaris Mystax, round worm of the cat.
- 5) EustraugylusGigas, in kidney of a husky dog.

Sollum-The armed or O Lenia ordinary pork tape worm. The tenia solium received its name 1144cause it was thought to exist as a solitary parasite in the bowel, but this is not correct as two or even more may occur, a his form of tenfa is nocommon in this country, being more frequently met with in Europe and When mature it is from 6 fee Asia. to 12 feet long, the head is small, round, not as large as the head of and is provided with four a pin sucking disks and a double row of hooklets, hence called in contradisto the other form or worm in man, the armed tape found worm. To the head succeeds a narroy threadlike neck, then fellow the worm-segments or proglociaes. ſn a 10 foot worm there may be as many as 800 of these proglitides each segment is hermaphroditic, and about the 450th from the head become mature and contain ripe ova. 71.5 worm attains its full length in from 3 to 3 1-2 months, after which time segments are continually shed appear in the stools.

The history of the human tapeworm is briefly as follows: The eggs eaten by the hog are developed in its body into the larval worm or scolex. called at this stage the cysticircus cellulosa, the pork afflicted with being, known as these elements "measely pork." The head with its suckers is found and the body becomes flask shaped. The cystecirce thus bury themselves in the flesh of the hog and are transferred living, in uncooked meat to the almentary canal of man. The body now elongates and new joints arise behind the head until the form of the mature The under tape worm is attained. joints become filled with eggs, break from the parent worm and escape

from the intestine of their human host. Sooner or later these ripe eggs gain entrance to the alimentary canal of the unclean animal, the hog, and the cycle of generations begins anew.

2) Taenia Saginata Mediocauellata. This the unarmed or beef tape worm ,bears a close resemblance to the Taenia Solium, but it is generally longer and its segments or proglottides are more numerous and of greater length. It is decidedly the common tape worm of this country. Of scores of specimens examined by Osler almost all were of this variety. may attain a length of 15 to 24 feet or more; the head is three times the size of that of the Taenia Solium, is square shaped, with four sucking disks, but there are no hook-In the larval form the worm lets. infests the flesh of the ox and calf, and is therefore more upt to be developed in persons who have eaten imperfectly cooked beef or veal.

3) Taenia Echinococcus.-The mature worm is rarely longer than 1-4 inch and consists of 3 or 4 segments. In the larval form it constitutes the hydatid which occurs in the human subject, especially in the liver. The history of the hydatld is as follows: Diseased offal is thrown to the dog. The animal passes by the bowel, either in the stream or on the field, segments of the developed worm. These segments are swallowed by sheep or cattle. Eventually the animal these segments have been which swallowed become the food of man, and then the larval worm becomes developed into a bladder-like cyst, a hydatid.

4) Brothiocephalus Lotus.—This is the largest of the tape worms which infect the human subject. It is very rarely met with in this country, bein! common in Russia and Poland.

II. Nematodo (round worms). — These posess a mouth and alimentary capal. The majority are parasitic only during a part of their existence and they are unisexual.

1) Ascaris Lumbricoides.—Ordinary round worm—This parasite varies in length from 6 to 16 inches, and closely resembles the ordinary earthworm in appearance. The fecundity of this entozoon is remarkable as the body