ova are either rgo their first rui, the horse-the tongue of o the stomach. a transforma by the bowels, in the ground orms have acopgst the En fact that some undry of the is and charaetrue Entozoa. astur is often apparatus of rs, and others outed posses-Asterias, dismetimes found s many of us ccupying the the Entomosre constantly and throats of of salt or of reover being h water seas, requently oces, as well as he peritoneal d fishes. Al-' met with in undry of the of Echinos; and in fosthe sinhun led in Recep-Modiolaria, a infest the Polyps and met with in acuations of v of Homao extremely tion can be iere.

aquatic aniith Entozoa. nd a tardy whilst the m of hair restrial anio the visita-

n more freorous than e time that wolf, and tape-worm known in scientific language as the Tornia In its more pristine form as a echinococcus. cystic worm or hydatid, it is commonly found and constantly proves fatal, when it takes up its abode in the internal organs of man, where it is introduced by our partaking of either water or food containing the ova of In its new abode it speedily the entozocu. undergoes its first transformation, from that of a hydatid, and immediately begins its fatally destructive operations upon the liver and other important viscera of its recently selected victim, afterwards to undergo its final and complete transformation in the carcases of the animals above mentioned, take a rank considerably higher on the scale of nature, and de novo to begin the work of alternation of generation.

"That the hydated disease arises from the tenic, observes Doctor Gobbeld, accounts for the great prevalence of the disease in Iceland, and wherever large numbers of dogs are kcpt. The disease is much more prevalent in women than In men; the explanation of which must be sought for the difference of the habits of lite. No doubt the water used as drink by the women is constantly obtained from supplies in the immediate neighborhood of their dwellings and in localities, to which dogs have continued access. Moreover, the women in Iceland probably obey more implicitly the dictates of the quacks who supply them with filthy medicine in the torm of dogs urine and fresh dogs excrements!"

At the meeting of the British Association at Bath, Sept., 1864, where Dr. Cobbold read an essay on the Entozoa, Dr. Crisp remarked that the Echino cocci hydatids have been found to infest the bodies of porpoises to a swarming extent, and yet the animals were apparently in as good condition and yielded as much oil and of as pure aquality as did their congeners who were wanuing in the parasites.

As far as is known of them, the Entozoa are in the first instance introduced into the bodies of their fosterers, in the Egg or Ova torm and always from without. Steenstrup has proved to demonstration that the Trematode or flat Entozoa, (of which the Fluke is an illustration) undergo various transformations, amongst others that one of the Distomata can be plainly traced back to the parent stock in the form of an infusorial animal (the Cercaria.) Mr. Busk has also shewn that at least one of the Nematoid (or Round Worms. Filiraria Medensis, familiarly known as the Guinea Worm), undergoes sundry changes before it penetrates the human body where it assumes the complete and perfect form, and again the Eggs of one of the Botriocephala, a tamily of worms closely allied to to the Tape

Worm, are constantly met with in wading and other fish eating birds, never, attain, their perfect form unless they have been swallowed by the *Stickleback* and which atterwards becomes the prey of the bird, and in whose body the *Entozoon* attains the form fitting to be conveyed to the human subject. The *Gordius* or Hair Worm deposits its eggs on water where they are swallowed by insects in whose bodles they are hatched, producing the perfect animal, which when duly impregnized is bjected from the birdy of the insect, to undergo a similar generative . .ternation.

Lastly, the eggs of a species of a Tape Worm when swallowed by the Rat or Mouse, will not produce perfect Tape Worms in the inside of their devourers, in the livers of which they are constantly met with as Cystic Worms Hydatids. But if, again, either of these troublesome roden's constitutes a casual repast for a dog or cat, then we may, without any fear of contradiction, count upon a gen uine Tape Worm being the result of the treacherous meal. In short, the first conclusive experiments are referrable to the Hydatids locating these organs. Since then the Cystic worms have been taken from the bodies of herbivorous and transported into those of carnivorous animals when tape worms of one description or the other were the invariable re-Segments also of mature tape worms sult. when administered to herbivorous animals were found to produce the animal in its Cystic form. Pallas transposed the ova of the tape worm from one dog to the peritoneal cavity of another, and a month afterwards detected young tape worms as the result of the experiment. Entoparasites have been found in all the mammals from Man down to the Cetacea, as well as in all the other Vertebrate animals, more of them even in Birds, Reptiles and Fishes, than other animals. Nor this alone, since they are met with perpetually in the invertebrata and even the articulata as many of the insect tribe are infested with them. The owners of Apiaries have constant opportunities of witnessing this fact from the great destruction commttted on their hives by the insect known as the Miller Moth.

The domestic Fly again constantly falls a victim to the insidious operations of the Boda family, one of the flesh-eating insects, the *Papalus* as well as one of the *Myriopoda*. The Julus are well known by Zoologists to be constantly the subject of a fatal *entozoio* disease. As far as their history is known, it would appear that twenty different species of the Entozoa infest man, fourteen Dogs, fifteen Horses and eleven Domestic Fowla. (Com-Bold).