There are a few additional observations to be made to last year’s report.

1. Wounds. Were treated successfully, Acriflavine, Sulphanilamide powder and suture when necessary. There were very few abscesses as even the smallest puncture wound was treated with acriflavine and sulphanilamide powder - I consider this attention very important in the prevention of these abscesses.

One dog had his nose nearly torn off in a fight. The primary sutures sloughed out but the secondary held with the additional attention of daily bathing in Dettol soln. and a diet of slops; we also kept the dog in the nissen as the temperatures were very low outside.

2. Penicillin. Three dogs were given Penicillin treatment and all of them responded remarkably well. In each case 40,000 Units were given 4-hourly, to a total of 240,000 Units. A small square of skin on the thigh was shaved for this purpose.

   - Howler - bad septic gash over joint of fore-paw ---- immediate recovery.

   - Nigger - generalised sepsis of old wounds or lower jaw with marked cervical adenitis. Incision, drainage and penicillin ---- immediate recovery.

   - Brother - this dog was in a very poor state of health - thin, scrappy and lethargic. No obvious cause was apparent, although a mass of old puncture wounds with surrounding induration on one side of his face was noticed. In fact, this old chronic sepsis must have been the cause, as with penicillin and no other treatment he immediately picked up, put on weight and became a working member of the team again.

3. Intussusception. There were three acute cases in puppies 2 - 3 months old, probably due to overfeeding. Two were operated on but in both cases the gut was already gangrenous and rotten. In the first case the pup died a few hours later and in the second the pup was destroyed immediately after the operation. In the third case the pup was destroyed at once and post mortem demonstrated a gangrenous gut here as well. It seems that the condition is so far gone before the pup shows any signs of being unwell, that I recommend destruction at once in any similar cases - anyhow with pups.

In all three cases, the intussusception occurred in exactly the same portion of the gut. This was at the “ileo-caecal” junction. As the intussusception was always found in the Right Hypochondrium, a series of eight post mortems were carried out on some new born pups that we did not wish to keep. It is realised that what was discovered may be found in all dogs or perhaps be peculiar to huskies, and in any case common knowledge to all vets. But as no vet is likely to come down here and the care of the dogs is the doctors concern, I thought that the following observations might be of use or at least of some interest.

The pups were one day old, 6 male and 2 female. In all, the findings were the same.

[Diagram of digestive system with annotations]

One appendix showing marked thickening.
- No obvious cæcum,
- Appendix and "ileo-caecal" valve lying over the pancreas,
- All the large bowel had a large free mesentery,
- Splenic flexure present but no hepatic flexure,
- From appendix region to splenic flexure, gut very narrow and empty,
- Firm constricting band present proximal to appendix,
- All appendices very kinked and at least an inch long; all were firmly attached to the Ileum, having no mesentery,
- Ileum dilated in its last two inches,
- "Ileo-caecal" valve present.

4. Anaesthesia. Ether was given to two pups with success, both needing an incredible amount. But when given to a 5 year old bitch for removal of a canine tooth with a root abscess, she suddenly died before any attempt had been made on the tooth.

5. Diet. There is no doubt that the enforced diet of pemmican at base, during the winter, was detrimental to the health of the dogs, which was subsequently demonstrated on the Southern Depot laying trip. On their return, they were suffering from excessive loss of weight and many had spongy bleeding gums. They had then been on a diet almost exclusively of pemmican for the previous five months (see Dog Report). One wonders if it would be possible to include some Vitamin C in their pemmican during its manufacture. However, with an uninterrupted seal diet after their return, they were fit for the main sledging journeys.

6. Mange. One dog had very severe mange (Sarcoptes Scabei) which refused to respond to treatment. His general health deteriorated so seriously and he was considered to be so severe a potential source of infection to the other dogs, that he was destroyed.

   It is thought that many of the dogs are infected with scabies in a quiescent state and that it only gains the upper hand when the animal gets into a low state of health.

7. It is of interest, that one pup of a litter of four was stillborn and showed the following signs of immaturity:

   - Exomphalos,
   - "Hermaphroditism",
   - Imperforate anus,
   - No tail,
   - Large fringed tongue.

   The other three pups were perfectly healthy.

D.G. Dalgleish.