

4 **Prolapse of the Uterus.** This condition occurs chiefly in cows and mares as a post-parturient accident. The etiology has never been satisfactorily explained. In its early stages it is uncomplicated by any pathological condition of the organ itself. Soon, however, due to impaired circulation, exposure to cold, filth and trauma, complications are almost certain to arise unless the uterus is immediately restored to its normal position.

A Hereford was received at the Stange Memorial Clinic Oct. 2, 1945, with the history of contamination and necrosis of the everted uterus. Accompanying this was the recommendation for amputataion.

Operation

The everted uterus and vulvar region were thoroughly cleansed with a 2 per cent solution of Therapogen. For anesthesia 10 cubic centimeters of 2 per cent procaine were infiltrated along the operative site. By using a sack needle, a double piece of umbilical tape was placed through the center of the everted portion of the uterus as close to the vagina as possible. The needle-end of the umbilical tape was then cut close to the needle and the resulting free ends of the tape were tied in opposite directions around the uterus. The everted portion was then amputated about three-fourths inches distal to the ligature.

As a prophylactic measure against peritonitis, sulfanilamide therapy was administered as an oral drench. The amount used was 1½ grains per pound of body weight following the operation and one half of this amount every 12 hours for the following four days. As no symptoms of peritonitis were noted at this time treatment was discontinued and the cow discharged from the clinic.

—Raymond Cooney, '46

5 **Fracture of the Axis.** A male colie was admitted to the Stange Memorial Clinic on Oct. 1, 1945, with the history of having been shot through the

neck. The symptoms observed were depression and incoordination indicating a central nervous disturbance. Upon examination a puncture wound about one-fourth inch in diameter was found on the left side of the neck in the region of the fourth cervical vertebra. A radiograph



X-ray of the fracture and bullet fragments.

was then made of the lateral aspect of the cervical region, which showed that the projectile had entered the neck and had traveled obliquely upward until it struck the posterior portion of the spinous process of the axis. The spinous process showed much damage in the upper posterior third with a fragment of the bullet lodged there. The projectile had broken into three large fragments and a number of smaller ones about 1/16 inch in diameter. The second largest of these fragments had traveled downward and lodged between the posterior articular surface of the axis and the spinous process of the third cervical vertebra. The third largest fragment had lodged near the anterior portion of the spinous process of the axis.

Radiograph Findings

The X-ray findings substantiated a concussion and possible contusion of the cord. This was due to the two fragments lodged near the posterior portion of the axis. The positions of these fragments indicated that the posterior part of the axis was forced upward by the impact thus putting pressure on the cord.

The symptoms shown by the patient were depression and incoordination which was mainly restricted to the front legs. The animal tended to circle to the left, bringing the forelegs up stiffly. The neck also showed loss of muscular control to the extent of letting the head flop from side to side. The only effect on the special senses was the general depression.

The wound healed in 6 days with no complications, and the central nervous symptoms disappeared to some extent every day. The dog was discharged on October 14, 1945, with still some evidence of central nervous disturbance.

—Henry Wykoff, '46

Crossline pigs, obtained by crossing purebred inbred lines, give promise of being highly efficient pork producers. In tests at the Iowa Experiment Station 60 litters of crossline pigs excelled uncrossed purebreds, sired by the same boars, in size of litters, gains in weight and sur-

vival of the pigs to 5 months of age. Crossline litters contained, on the average, 1.8 more pigs when they were 5 months old.

Natural sea water seems to contain growth promoting substances in addition to mineral salts. Experiments by Dr. C. E. Zobell prove that no artificially made sea water is as good for the growth of marine bacteria as real sea water.

A mass survey of 40,000 people in St. Louis County, Minnesota, with X-ray photographs of the chest taken with the aid of a mobile X-ray unit, found one person in 200 had active tuberculosis.

No "rabies or hydrophobia" has been reported in Panama recently, due to the strict quarantine in the Republic of Panama.

THE VETERINARIAN BACK OF THE SYRINGE

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