and oval in shape. (The weight of these four calculi was ten and one-half ounces.) After cleansing the bladder, it was then irrigated with a mixture of Therapogen and mineral oil in the ratio of one to eight respectively. The bladder was closed with a double row of Lembert sutures; (00) catgut was used. The abdominal wall was then closed using the before mentioned catgut as the suture.

The exact etiology of this condition is unknown. There are probably a number of factors. Infection, high concentration of mineral salts in the urine, and Vitamin A deficiency have been named as possible contributing causes. The mere presence of altered colloids favors calculus formation for it furnishes the nucleus for the absorption of salts. Then this formed calculus is a foreign body, and as such incites inflammation which may add to the concrement.

The prognosis is guarded to unfavorable; depending upon many factors, including the duration of the abnormality, the location of the calculus, the age and condition of the animal, and the character of the calculus.

Dr. M. Lois Calhoun, Veterinarian

One of the first friends the beginning veterinary student has after entering Iowa State College is Dr. M. Lois Calhoun, graduate assistant in Veterinary Anatomy. Every student has been assisted by her at some time or other in identifying some structure under the microscope.

Dr. Calhoun, coming from Lake City, Iowa, received her B. S. in Zoology in 1924 from Iowa State College. For the next two years she was on the faculty at Napier, Iowa, where she was in charge of biology. She received her appointment in Veterinary Anatomy in 1928. Continuing her advanced studies she earned a Master of Science in microscopic anatomy in 1931 and a D.V.M. degree in August, 1939. She is the second and last woman ever graduated from the Veterinary Division at Iowa State College. Her Master's thesis, "The Microscopic Anatomy of the Digestive tract of the Gallus domesticus," is used very extensively in the histology laboratory at Iowa State, and as a reference in most of the larger colleges throughout the world. Dr. Calhoun has letters from practically every civilized country in the world complimenting her on the usefulness of her thesis.

Chief among her hobbies is her car. She travels a great deal during her vacations and has assembled scrap books containing pictures, poetry, and clippings obtained during the various trips that have taken her through 47 states. South Carolina is the only state she has not visited, but allowed a little time she will also have a few souvenirs from there. She has called on many of the Iowa State veterinary graduates in the various parts of the United States and is always a welcomed colleague.

Dr. Calhoun is also an ornithologist and possibly knows as much about birds as anyone at Iowa State College. She has studied all the various species and can identify them by their color markings or by their call. Her greatest interest, however, is in canaries. She has always watched for the coming of the first birds in the spring and has made charts indicating their arrival.

Besides doing considerable work in the anatomy department; such as, making all the tissue section slides and most of the gross photography and photomicrographic work, and class instruction, she is also well posted in all branches of the profession. Dr. Calhoun is a member of Sigma Delta Epsilon and served as president of the fraternity in 1937-38. She is also a member of the Phi Kappa Phi and the Woman's "I" fraternities.