



Wille, a Guernsey cow owned by Reeve W. T. Richardson, Chilliwack, set an all-time milk production record after successful Koch Treatment for mastitis in two quarters late in 1946. Since then the cow has freshened again in good condition. This Treatment for mastitis was tried out in B.C. at the request of the late Minister of Agriculture.

New Approach To Cattle Disease

By W. A. GOODER

History repeats itself because human nature does not change. Medical discoveries of tremendous moment to the welfare of mankind have had a curious tendency to emanate from the most unexpected quarters, with the result that those in top executive positions try to preempt these new methods as their own, or failing that, to ignore them, leading people in general to conclude that these triumphs over disease do not exist.

D.H. Arnott, M.D., of London, Ontario, Canada, visited Dr. Wm. F. Koch of Detroit, Michigan, in 1926 and repeatedly thereafter, and by constant observation was able to decide for himself that Dr. Koch had discovered new and useful therapeutic chemicals. While convinced as to the soundness of his conclusions, he was unable to interest university medical men in his own clinical experiences, because he had no data acquired by animal experiments to offer.

Having obtained brilliant results from the use of the Koch Therapy in the treatment of a man suffering from Undulant fever, which is generally acquired by drinking un-pasteurized milk taken from a cow affected with Bang's disease, it later occurred to him to use the Treatment on cows suffering from Bang's disease, and when an opportunity offered in May, 1941, he treated a herd of thirty cows, which, due to the ravages of contagious abortion, only had three living

calves, and the results of the Koch Treatment were splendid.

He then enlisted the assistance of Dr. T. J. Campbell, V.S., and also some of his own patients who owned purebred dairy cattle, whereby a wide field of remarkably successful clinical experiences were obtained, which he recorded in a series of five pamphlets, in order to save letter-writing and time in discussing these related matters with those interested.

The use of the animal treatments was began by the breeders in British Columbia in June 1943, and about a year later good reports had repeatedly reached the ears of the Minister of Agriculture, the late Dr. K. C. MacDonald. He instructed the Deputy Minister to obtain all possible information from Dr. Arnott, and as a result, was supplied with all the literature as to successes and also that which revealed his failures to attract the attention of those entrusted with these problems in government and educational circles in Ontario.

The Minister and his deputy, Mr. J. B. Munro both decided the literature disclosed an entirely new approach to the study and treatment of disease.

One of the pamphlets received by the Minister was published in 1943 by D. H. Arnott M.D., and T. J. Campbell V.S. with the title: *"The Cure and Prevention of Mastitis and Contagious Abortion— New Light Derived from Prompt Successful Results Obtained Through the Use of the Koch Treatment."*

On page four of this brochure, they state: "While the diseases under consideration are all too common, nevertheless, many cows resist them successfully over considerable periods of time. In other words, the cow has inherited powers, which effectively protect it from disease, just as the ability to produce milk has been inherited. The Koch Treatment is administered for the purpose of arousing to a vigorous normal the natural inherited resistance to disease.

"Life is promoted, sustained, and reproduced by the use of food. For good health, the supply must be adequate in amount and in variety. For the best normal results, it is necessary that the food be well digested, and also that the potential energy contained therein be transferred into living energy throughout the body at a vigorous rate, burning the food properly in each individual cell, where it unites with oxygen for this purpose.

"It is upon the degree approaching perfection with which food is turned into living energy consistently, that the numerous balanced functionings necessary for normal good health of the body are best maintained; among them are those by which disease is resisted, and recovered from, should it have become established.

"It is Dr. Koch's belief that certain carbon compounds perform important intermediary steps in the living chemistry by which food is turned into life itself; and should the supply of these compounds fall below that requisite for the best conditions, life may continue, but vigorous good health may be lost.

"It is his belief that these compounds themselves are maintained in adequate amount by the vigor of the essential oxidation reaction when it takes place normally. However, where the supply of

these carbon compounds has become depleted and has remained so, and the animal thus affected has become sick, it often is possible by the hypodermic administration of the Reagents produced by Dr. Koch, to set up a vigorous natural oxidation reaction which may continue indefinitely, because the injections renew and help to maintain an adequate supply of these natural body compounds required for the transmission of the potential energy which is contained in the food eaten, into that of living energy.

“Where the Remedy has been applied successfully, therefore, there is reestablished a vigorous resistance to disease, and a strong natural recovery process may be instituted through which a notable degree of good health may be recovered.”

At the request of the Minister, Dr. Arnott came to British Columbia in September 1944, and at the urgent solicitation of many breeders of fine dairy cattle, the Minister carried out an adequate test of the Treatment for mastitis and infertility, the latter to include those whose blood tests were positive to the *Brucella Abortus* infection.

The field tests with laboratory observations went on for nearly a year, and the results were highly gratifying to all those taking part. They were disclosed in the 1944 and 1945 *Annual Reports* of the Department of Agriculture.

Those breeders who have learned to use the Treatment consistently, no longer fear any bad outbreaks of destructive diseases in their cattle, nor the serious problems of infertility either in the cows or in the herd sires.

In Canada, the research goes on exclusively in British Columbia, where the main scientific activity is under the direction of Dr. S. N. Wood, Professor of Animal Husbandry of the University of British Columbia. Some important observations have been completed, and to the breeders and others who request them, these findings will be made available.